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1. Introduction

The Air Quality Technical Report was prepared in July 2008; it presented a detailed analysis of the Air Quality for the alternatives being considered and compared within the 2009 Alternatives Analysis/Draft Environmental Impact Statement (AA/DEIS) for the Red Line Study.

This technical report of the Final Environmental Impact Statement (FEIS) presents the detailed analysis of air quality for the Red Line Preferred Alternative. This report identifies the pollutants of concern, reviews applicable standards, summarizes existing air quality in the project study corridor and summarizes the project's impact on the project study corridor's air quality.

2. Environmental Analysis

2.1 Affected Environment

Air pollution is a general term that refers to one or more chemical substances that degrade the quality of the atmosphere. Individual air pollutants degrade the atmosphere by reducing visibility; they are also responsible for damaging property, reducing the productivity or vigor of crops or natural vegetation, and harming human or animal health.

2.1.1 Clean Air Act Amendments of 1990

The Clean Air Act (CAA) Amendments of 1990 and the Final Transportation Conformity Rule [40 CFR Parts 51 and 93] direct the US Environmental Protection Agency (EPA) to implement environmental policies and regulations that will ensure acceptable levels of air quality.

The CAA and the Final Transportation Conformity Rule affect the funding and approval of proposed transportation projects. According to CAA Title I, Section 176 (c) 2:

No federal agency may approve, accept or fund any transportation plan, program or project unless such plan, program or project has been found to conform to any applicable State Implementation Plan (SIP) in effect under this act.

According to section 176(c)2(A) of the CAA, conformity to an implementation plan means eliminating or reducing the severity and number of violations of the National Ambient Air Quality Standards (NAAQS) and achieving expeditious attainment of such standards; and that such activities will not:

- *Cause or contribute to any new violation of any NAAQS in any area;*
- *Increase the frequency or severity of any existing violation of any NAAQS in any area; or*
- *Delay timely attainment of any NAAQS or any required interim emission reductions or other milestones in any area.*

2.1.2 National and State Ambient Air Quality Standards

As required by the CAA, NAAQS have been established for six major air pollutants. These pollutants, known as criteria pollutants, are carbon monoxide, nitrogen dioxide, ozone, particulate matter, sulfur dioxide and lead.

The federal standards are summarized in **Table 1**. The "primary" standards have been established to protect public health. The "secondary" standards are intended to protect the nation's welfare, and they account for air pollutant effects on soil, water, visibility, materials, vegetation and other aspects of general welfare.

Table 1: National Ambient Air Quality Standards

Pollutant	Primary Standards		Secondary Standards	
	Level	Averaging Time	Level	Averaging Time
Carbon Monoxide	9 ppm (10 mg/m^3)	8-hour [1]	None	
	35 ppm (40 mg/m^3)	1-hour [1]		
Lead	0.15 µg/m^3 [2]	Rolling 3-Month Average	Same as Primary	
Nitrogen Dioxide	53 ppb [3]	Annual (Arithmetic Average)	Same as Primary	
	100 ppb	1-hour [4]	None	
Particulate Matter (PM10)	150 µg/m^3	24-hour [5]	Same as Primary	
Particulate Matter (PM2.5)	15.0 µg/m^3	Annual [6] (Arithmetic Average)	Same as Primary	
	35 µg/m^3	24-hour [7]	Same as Primary	
Ozone	0.075 ppm (2008 std)	8-hour [8]	Same as Primary	
	0.08 ppm (1997 std)	8-hour [9]	Same as Primary	
	0.12 ppm	1-hour [10]	Same as Primary	
Sulfur Dioxide	0.03 ppm [11] (1971 std)	Annual (Arithmetic Average)	0.5 ppm	3-hour [1]
	0.14 ppm [11] (1971 std)	24-hour [1]		
	75 ppb [12]	1-hour	None	

Notes: [1] Not to be exceeded more than once per year.

[2] Final rule signed October 15, 2008. The 1978 lead standard (1.5 µg/m^3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

[3] The official level of the annual NO_2 standard is 0.053 ppm, equal to 53 ppb, which is shown here for the purpose of clearer comparison to the 1-hour standard.

[4] To attain this standard, the 3-year average of the 98th percentile of the daily maximum 1-hour average at each monitor within an area must not exceed 100 ppb (effective January 22, 2010).

[5] Not to be exceeded more than once per year on average over 3 years.

[6] To attain this standard, the 3-year average of the weighted annual mean PM2.5 concentrations from single or multiple community-oriented monitors must not exceed 15.0 µg/m^3.

[7] To attain this standard, the 3-year average of the 98th percentile of 24-hour concentrations at each population-oriented monitor within an area must not exceed 35 µg/m^3 (effective December 17, 2006).

[8] To attain this standard, the 3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.075 ppm. (effective May 27, 2008).

[9] (a) To attain this standard, the 3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.08 ppm.

(b) The 1997 standard—and the implementation rules for that standard—will remain in place for implementation purposes as EPA undertakes rulemaking to address the transition from the 1997 ozone standard to the 2008 ozone standard.

(c) EPA is in the process of reconsidering these standards (set in March 2008).

[10] (a) EPA revoked the 1-hour ozone standard in all areas, although some areas have continuing obligations under that standard ("anti-backsliding").

(b) The standard is attained when the expected number of days per calendar year with maximum hourly average concentrations above 0.12 ppm is $\leq$ 1.

[11] The 1971 sulfur dioxide standards remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

[12] Final rule signed June 2, 2010. To attain this standard, the 3-year average of the 99th percentile of the daily maximum 1-hour average at each monitor within an area must not exceed 75 ppb.

Source: www.epa.gov/air/criteria.html, as of October 2011

2.1.3 Criteria Pollutants and Effects

Pollutants that have established national standards are referred to as "criteria pollutants." The sources of these pollutants, their effects on human health and the nation's welfare, and their final deposition in the atmosphere vary considerably. A brief description of each pollutant is provided below.

a. Ozone

Ozone (O3) is a colorless toxic gas. As shown in **Figure 1**, O3 is found in both the Earth's upper and lower atmospheric levels. In the upper atmosphere, O3 is a naturally occurring gas that helps to prevent the sun's harmful ultraviolet rays from reaching the Earth. In the lower layer of the atmosphere, the formation of O3 is mostly the result of human activity, although O3 also occurs because of hydrocarbons released by plants and soil. O3 is not directly emitted into the atmosphere; it forms in the lower atmosphere through a chemical reaction between hydrocarbons (HC), also referred to as Volatile Organic Compounds or VOCs, and nitrogen oxides (NOx), which are emitted from industrial sources and from automobiles. As shown in **Figure 2** and

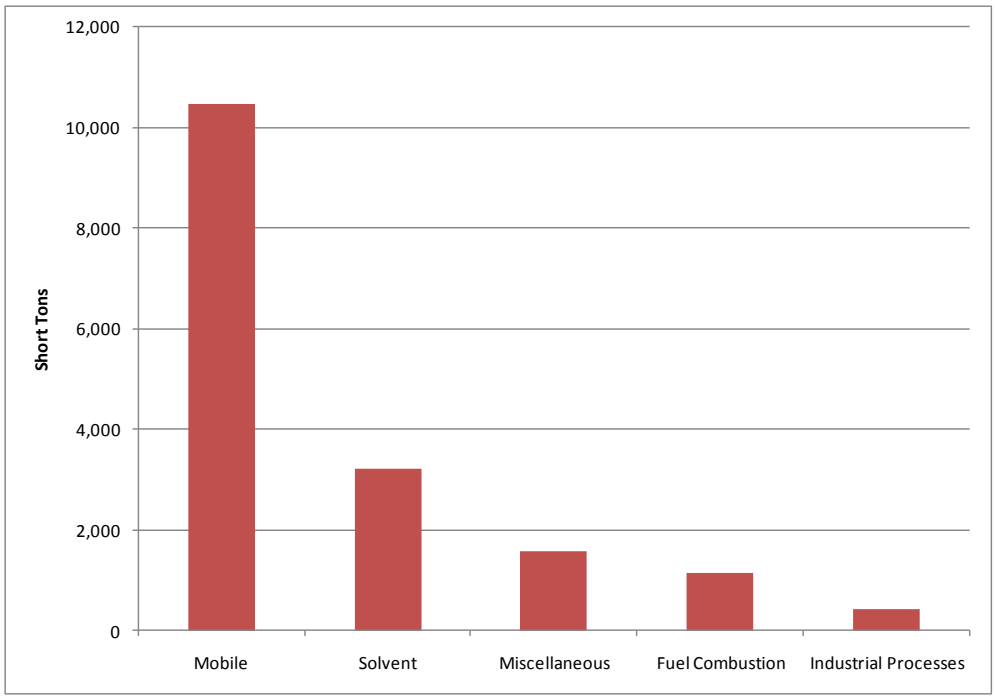
Figure 3, mobile sources are the primary sources of VOCs and NOx in Baltimore County.

Substantial O_3 formations generally require a stable atmosphere with strong sunlight; thus, high levels of O_3 are generally a concern in the summer. O_3 is the main ingredient of smog. O_3 enters the bloodstream through the respiratory system and interferes with the transfer of oxygen, depriving sensitive tissues in the heart and brain of oxygen. O_3 also damages vegetation by inhibiting its growth.

Figure 1: Ozone in the Atmosphere

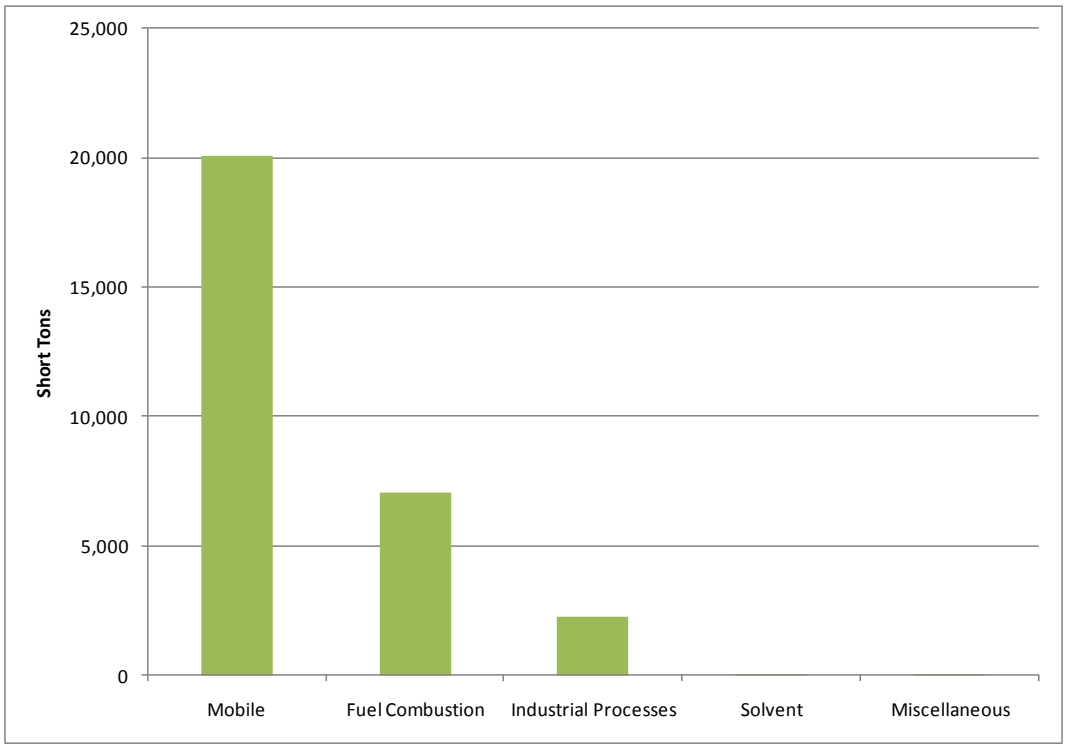
Source: OzoneNY, http://www.ozoneny.org/about_ozone/good_vs_bad_ozone.asp

Figure 2: Sources of VOCs – Baltimore County (2008)



Source: US EPA,
http://www.epa.gov/cgibin/broker?_service=data&_debug=0&_program=dataprog.state_1.sas&pol=VOC&stfips=24

Figure 3: Sources of NOx – Baltimore County (2008)



Source: US EPA,
http://www.epa.gov/cgibin/broker?_service=data&_debug=0&_program=dataprog.state_1.sas&pol=NOX&stfips=24

b. Particulate Matter

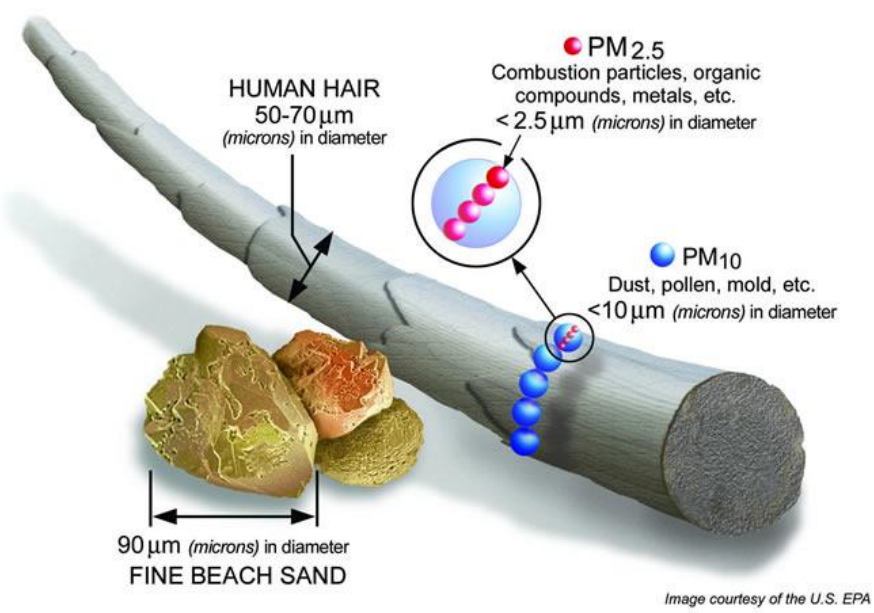
Particulate pollution is composed of solid particles or liquid droplets that are small enough to remain suspended in the air. In general, particulate pollution can include dust, soot and smoke; these can be irritating but usually are not poisonous.

Particulate pollution also can include bits of solid or liquid substances that can be highly toxic. Of particular concern are those particles that are smaller than, or equal to, 10 microns (PM_{10}) and 2.5 microns ($PM_{2.5}$) in size.

PM_{10} refers to particulate matter less than 10 microns in diameter, about one seventh the thickness of a human hair, as shown in **Figure 4**. Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids and metals. Particulate matter also *forms* when industry and gases emitted from motor vehicles undergo chemical reactions in the atmosphere. Major sources of PM_{10} include motor vehicles; wood-burning stoves and fireplaces; dust from construction, landfills and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions.

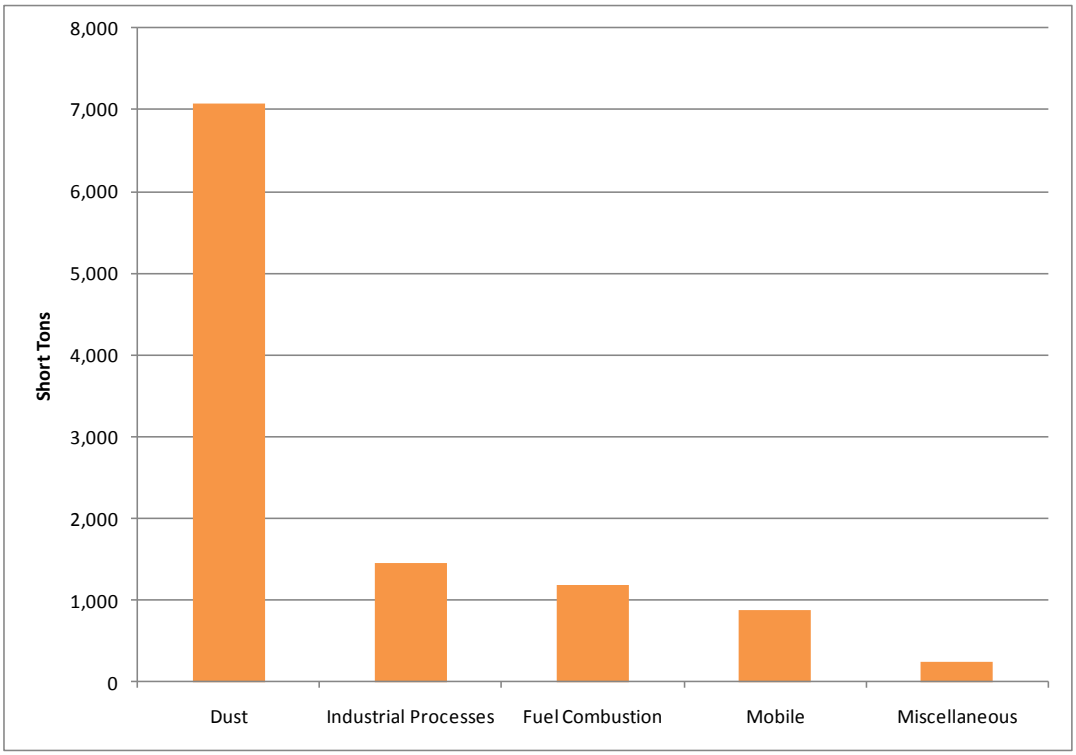
Figure 5 shows the primary sources of PM_{10} in Baltimore County. Suspended particulates produce haze and reduce visibility.

Figure 4: Relative Particulate Matter Size



Source: EPA Office of Air and Radiation http://www.epa.gov/oar/particlepollution/basic.html

Figure 5: Sources of PM_{10} – Baltimore County (2008)



Source: US EPA, http://www.epa.gov/cgibin/broker?_service=data&_debug=0&_program=dataprog.state_1.sas&pol=PM10_PRI&stfips=24

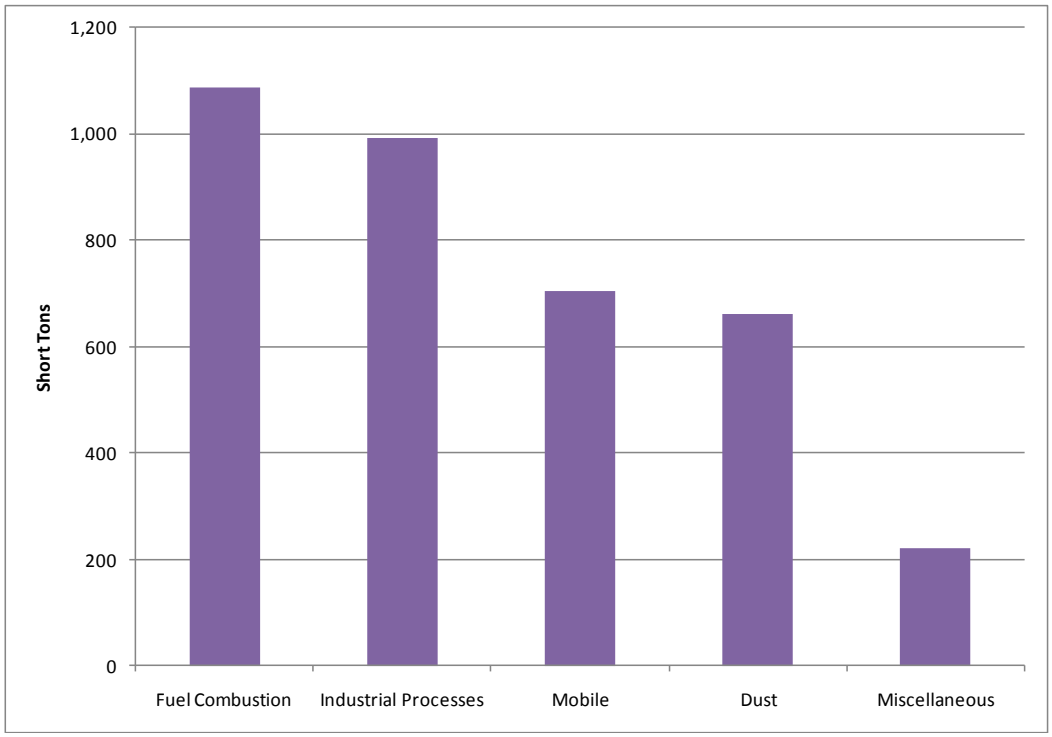
Data collected through numerous nationwide studies indicate that most of the PM10 comes from the following:

- Fugitive dust (i.e., small airborne particles that originate in small quantities over large areas such as from vehicles traveling on unpaved roads or earth-moving activities at construction sites)
- Wind erosion
- Agricultural and forestry sources

A small portion of particulate matter is the product of fuel combustion processes. In the case of $PM_{2.5}$, the combustion of fossil fuels accounts for a significant portion of this pollutant. **Figure 6** shows the primary sources of $PM_{2.5}$ in Baltimore County. The main health effect of airborne particulate matter is on the respiratory system. $PM_{2.5}$ refers to particulates that are 2.5 microns or less in diameter, roughly 1/28th the diameter of a human hair. $PM_{2.5}$ results from fuel combustion (from motor vehicles, power generation and industrial facilities), residential fireplaces and wood stoves. In addition, $PM_{2.5}$ can be formed in the atmosphere from gases, such as sulfur dioxide, nitrogen oxides and volatile organic compounds. Like PM_{10}, $PM_{2.5}$ can

penetrate the human respiratory system's natural defenses and damage the respiratory tract when inhaled. Whereas particles 2.5 to 10 microns in diameter tend to collect in the upper portion of the respiratory system, particles 2.5 microns or less are so tiny that they can penetrate deeper into the lungs and damage lung tissues.

Figure 6: Sources of $PM_{2.5}$ – Baltimore County (2008)

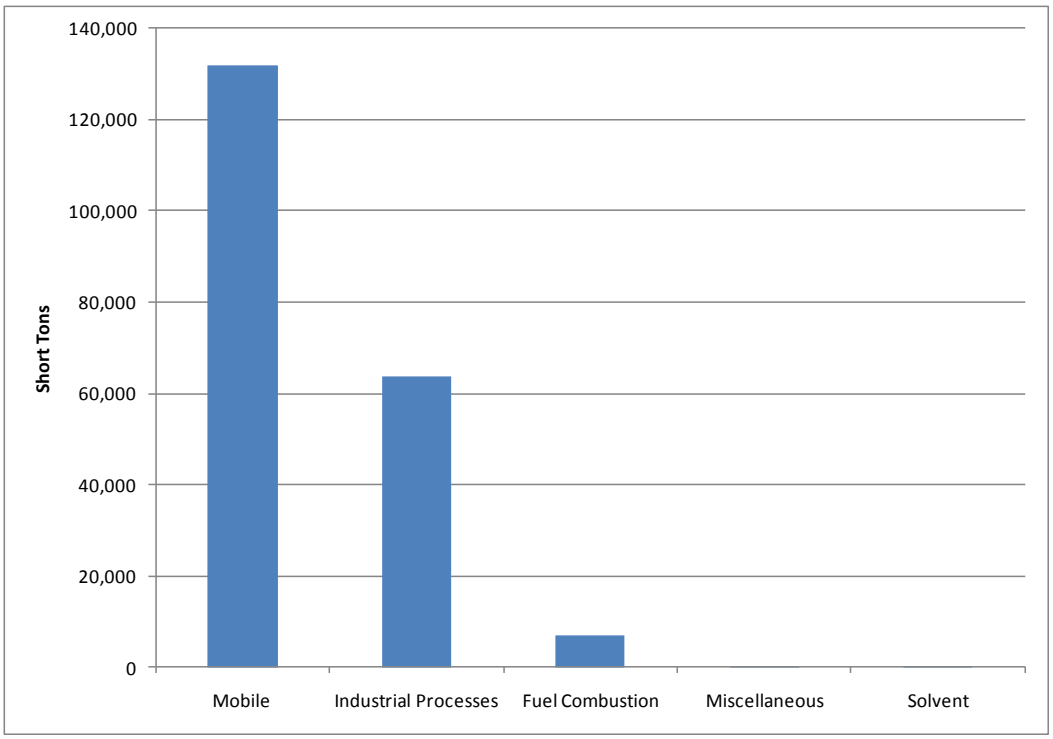


Source: US EPA, http://www.epa.gov/cgibin/broker?_service=data&_debug=0&_program=dataprog.state_1.sas&pol=PM25_PRI&stfips=24

c. Carbon Monoxide

Carbon monoxide (CO) is a colorless gas that interferes with the transfer of oxygen to the brain. CO is emitted almost exclusively from the incomplete combustion of fossil fuels. As shown in **Figure 7**, mobile sources are the primary sources of CO in Baltimore County. In cities, 85 to 95 percent of all CO emissions may come from motor vehicle exhaust. Prolonged exposure to high levels of CO can cause headaches, drowsiness, and loss of equilibrium or heart disease. CO levels are generally highest in the colder months of the year when inversion conditions (when warmer air traps colder air near the ground) are more frequent. CO concentrations can vary greatly over relatively short distances. Relatively high concentrations of CO are typically found near congested intersections, along heavily used roadways carrying slow moving traffic, and in areas where atmospheric dispersion is inhibited by urban “street canyon” conditions. Consequently, to estimate potential impacts, CO concentrations must be predicted on a localized, or microscale, basis.

Figure 7: Sources of CO – Baltimore County (2008)



Source: US EPA,
http://www.epa.gov/cgibin/broker?_service=data&_debug=0&_program=dataprog.state_1.sas&pol=CO&stfips=24

d. Nitrogen Dioxide

Nitrogen dioxide (NO_2) is a brownish gas that irritates the lungs. It can cause breathing difficulties at high concentrations. As with O_3, NO_2 is not directly emitted, but is formed through a reaction between nitric oxide (NO) and atmospheric oxygen. NO and NO_2 are collectively referred to as nitrogen oxides (NO_x) and are major contributors to ozone formation. NO_2 also contributes to the formation of PM_{10}. At atmospheric concentrations, NO_2 is only potentially irritating. In high concentrations, the result is a brownish-red cast to the atmosphere and reduced visibility. There is some indication of a relationship between NO_2 and chronic pulmonary fibrosis. An increase in bronchitis in children (two and three years old) has also been observed at concentrations below 0.3 parts per million (ppm).

e. Lead

Lead (Pb) is a stable element that persists and accumulates both in the environment and in animals. Its principal effects in humans are on the blood-forming, nervous and renal systems. Lead levels in the urban environment from mobile sources have decreased significantly because of the federally-mandated switch to lead-free gasoline and the removal of lead from other products that previously contained lead (e.g., paints).

f. Sulfur Dioxide

Sulfur Dioxide (SO_2) is a product of high-sulfur fuel combustion. The main sources of SO_2 are coal and oil used in power stations, industry and domestic heating. Industrial chemical manufacturing is another source of SO_2. SO_2 is an irritant gas that attacks the throat and lungs.

It can cause acute respiratory symptoms and diminished ventilator function in children. SO_2 can also turn plant leaves yellow and corrode iron and steel.

2.1.4 Mobile Source Air Toxics

In addition to the criteria pollutants for which there are NAAQS, the EPA also regulates air toxics. Toxic air pollutants are those pollutants known or suspected to cause cancer or other serious health effects. Most air toxics originate from human made sources, including on-road mobile sources, non-road mobile sources (e.g., airplanes), area sources (e.g., dry cleaners) and stationary sources (e.g., factories or refineries).

Controlling air toxic emissions became a national priority with the passage of the Clean Air Act Amendments (CAAA) of 1990, whereby Congress mandated that the US Environmental Protection Agency (EPA) regulate 188 air toxics, also known as hazardous air pollutants. The EPA has assessed this expansive list in their latest rule on the Control of Hazardous Air Pollutants from Mobile Sources (Federal Register, Vol. 72, No. 37, page 8430, February 26, 2007) and identified a group of 93 compounds emitted from mobile sources that are listed in their Integrated Risk Information System (IRIS) (http://www.epa.gov/ncea/iris/index.html). In addition, the EPA identified seven compounds with significant contributions from mobile sources that are among the national and regional-scale cancer risk drivers from their 1999 National Air Toxics Assessment (NATA) (http://www.epa.gov/ttn/atw/nata1999/). These are acrolein, benzene, 1,3-butadiene, diesel particulate matter plus diesel exhaust organic gases (diesel PM), formaldehyde, naphthalene and polycyclic organic matter. While the FHWA considers these the priority mobile source air toxics, the list is subject to change and may be adjusted in consideration of future EPA rules.

The 2007 EPA rule mentioned above requires controls that will dramatically decrease mobile source air toxics (MSAT) emissions through cleaner fuels and cleaner engines. According to an FHWA analysis using EPA's MOBILE6.2 model, even if vehicle activity (vehicle miles traveled, VMT) increases by 145 percent as assumed, a combined reduction of 72 percent in the total annual emission rate for the priority MSAT is projected from 1999 to 2050.

A brief description of the seven priority MSATs is given below.

1. **Acrolein** is a water-white or yellow liquid that burns easily, is readily volatilized and has a disagreeable odor. It is present as a product of incomplete combustion in the exhausts of stationary equipment (e.g., boilers and heaters) and mobile sources. It is also a secondary pollutant, formed through the photochemical reaction of VOC and NOX in the atmosphere. Acrolein is considered to have high acute toxicity, and it causes upper respiratory tract irritation and congestion in humans. The major effects from chronic (long-term) inhalation exposure to acrolein in humans consist of general respiratory congestion and eye, nose and throat irritation. No information is available on the reproductive, developmental or carcinogenic effects of acrolein in humans. EPA considers acrolein data to be inadequate for an assessment of human carcinogenic potential.

2. **Benzene** is a volatile, colorless, highly flammable liquid with a sweet odor. Most of the benzene in ambient air is from incomplete combustion of fossil fuels and evaporation from gasoline service stations. Acute inhalation exposure to benzene causes neurological symptoms, such as drowsiness, dizziness, headaches and unconsciousness in humans. Chronic inhalation of certain levels of benzene causes disorders in the blood in humans. Benzene specifically affects bone marrow (the tissues that produce blood cells). Aplastic anemia, excessive bleeding and damage to the immune system (by changes in blood levels of antibodies and loss of white blood cells) may develop. Available human data on the developmental effects of benzene are inconclusive because of concomitant exposure to other chemicals, inadequate sample size and lack of quantitative exposure data. EPA has classified benzene as a known human carcinogen by inhalation.

3. **1,3-Butadiene** is a colorless gas with a mild gasoline-like odor. Sources of 1,3-butadiene released into the air include motor vehicle exhaust, manufacturing and processing facilities, forest fires or other combustion, and cigarette smoke. Acute exposure to 1,3-butadiene by inhalation in humans results in irritation of the eyes, nasal passages, throat and lungs. Neurological effects, such as blurred vision, fatigue, headache and vertigo, have also been reported at very high exposure levels. One epidemiological study reported that chronic exposure to 1,3-butadiene via inhalation resulted in an increase in cardiovascular diseases, such as rheumatic and arteriosclerotic heart diseases, while other human studies have reported effects on the blood. No information is available on reproductive or developmental effects of 1,3-butadiene in humans. EPA has classified 1,3-butadiene as a probable human carcinogen by inhalation.

4. **Diesel Particulate Matter** (DPM)/Diesel Exhaust Organic Gases are a complex mixture of hundreds of constituents in either a gaseous or particle form. Gaseous components of diesel exhaust (DE) include CO2, oxygen, nitrogen, water vapor, CO, nitrogen compounds, sulfur compounds and numerous low-molecular-weight hydrocarbons. Among the gaseous hydrocarbon components of DE that are individually known to be of toxicological relevance are several carbonyls (e.g., formaldehyde, acetaldehyde, acrolein), benzene, 1,3-butadiene, and polycyclic aromatic hydrocarbons (PAHs) and nitro-PAHs. DPM is composed of a center core of elemental carbon and adsorbed organic compounds, as well as small amounts of sulfate, nitrate, metals and other trace elements. DPM consists primarily of PM2.5, including a subgroup with a large number of particles having a diameter <0.1 µg. Collectively, these particles have a large surface area, which makes them an excellent medium for absorbing organics. Also, their small size makes them highly respirable and able to reach the deep lung. A number of potentially toxicologically-relevant organic compounds, including PAHs, nitro-PAHs and oxidized PAH derivatives, are on the particles. Diesel exhaust is emitted from on-road mobile sources, such as automobiles and trucks, and from off-road mobile sources (e.g., diesel locomotives, marine vessels and construction equipment). DPM is directly emitted from diesel-powered engines (primary particulate matter) and can be formed from the gaseous compounds emitted by diesel engines (secondary particulate matter).

Acute or short-term (e.g., episodic) exposure to DE can cause acute irritation (e.g., eye, throat, bronchial), neurophysiological symptoms (e.g., lightheadedness, nausea), and respiratory symptoms (cough, phlegm). Evidence also exists for an exacerbation of allergenic responses to known allergens and asthma-like symptoms. Information from the available human studies is inadequate for a definitive evaluation of possible non-cancer health effects from chronic exposure to DE. However, on the basis of extensive animal evidence, DE is judged to pose a chronic respiratory hazard to humans. The EPA has determined that DE is "likely to be carcinogenic to humans by inhalation" and that this hazard applies to environmental exposures.

5. **Formaldehyde** is a colorless gas with a pungent, suffocating odor at room temperature. The major emission sources of formaldehyde appear to be power plants, manufacturing facilities, incinerators and automobile exhaust. However, most of the formaldehyde in ambient air is a result of secondary formation through photochemical reaction of VOC and NOX. The major toxic effects caused by acute formaldehyde exposure via inhalation are eye, nose, and throat irritation and effects on the nasal cavity. Other effects seen from exposure to high levels of formaldehyde in humans are coughing, wheezing, chest pains and bronchitis. Chronic exposure to formaldehyde by inhalation in humans has been associated with respiratory symptoms and eye, nose and throat irritation. The EPA considers formaldehyde to be a probable human carcinogen.

6. **Naphthalene** is used in the production of phthalic anhydride; it is also used in mothballs. Acute (short-term) exposure of humans to naphthalene by inhalation, ingestion and dermal contact is associated with hemolytic anemia, damage to the liver and neurological damage. Cataracts have also been reported in workers acutely exposed to naphthalene by inhalation and ingestion. Chronic (long-term) exposure of workers and rodents to naphthalene has been reported to cause cataracts and damage to the retina. Hemolytic anemia has been reported in infants born to mothers who "sniffed" and ingested naphthalene (as mothballs) during pregnancy. Available data are inadequate to establish a causal relationship between exposure to naphthalene and cancer in humans. EPA has classified naphthalene as a Group C, possible human carcinogen.

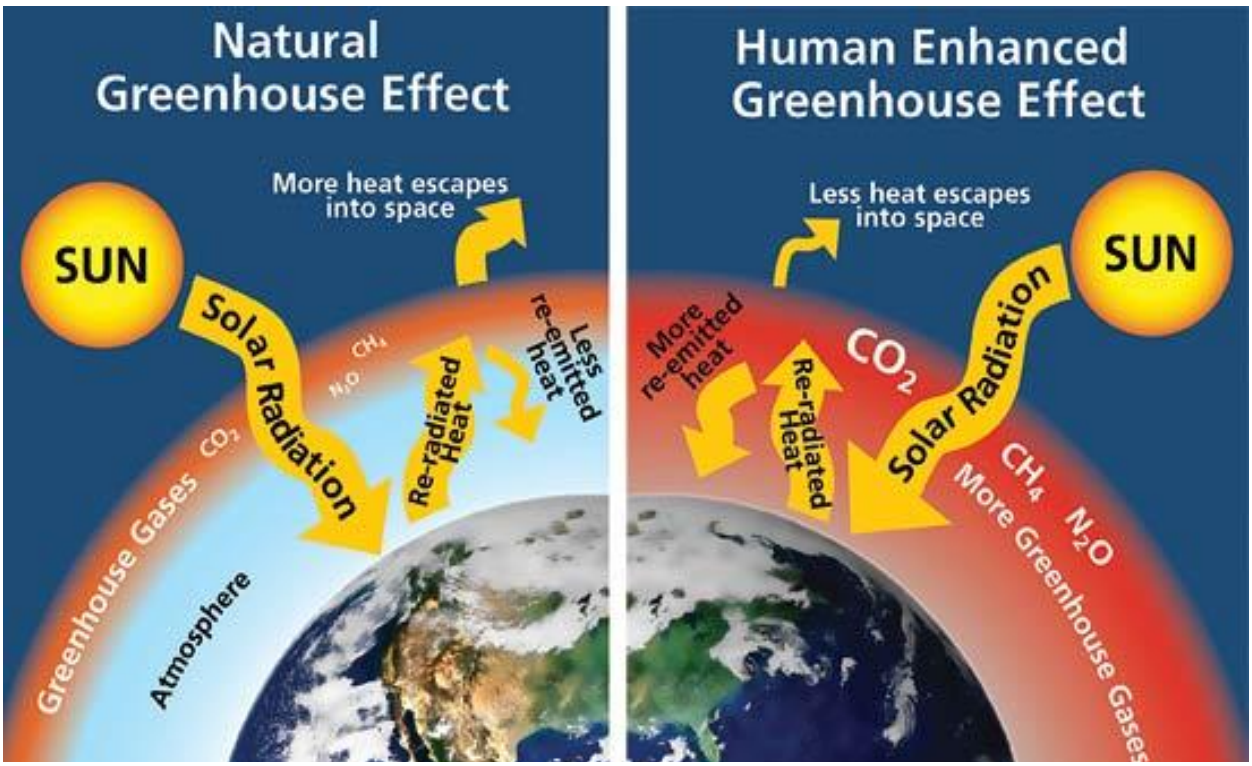
7. The term **polycyclic organic matter** (POM) defines a broad class of compounds that includes the polycyclic aromatic hydrocarbon compounds (PAH), of which benzo[a]pyrene is a member. POM compounds are formed primarily from combustion and are present in the atmosphere in particulate form. Sources of air emissions are diverse and include cigarette smoke, vehicle exhaust, home heating, laying tar and grilling meat. Cancer is the major concern from exposure to POM. Epidemiologic studies have reported an increase in lung cancer in humans exposed to coke oven emissions, roofing tar emissions and cigarette smoke; all of these mixtures contain POM compounds. Animal studies have reported respiratory tract tumors from inhalation exposure to benzo[a]pyrene and forestomach tumors, leukemia and lung tumors from oral exposure to benzo[a]pyrene. The EPA has classified seven PAHs (benzo[a]pyrene,

benz[a]anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, dibenz[a,h]anthracene and indeno[1,2,3-cd]pyrene) as Group B2, probable human carcinogens.

2.1.5 Greenhouse Gasses

Gases that trap heat in the atmosphere are often referred to as greenhouse gases (GHGs). GHGs are necessary to life since they keep the planet's surface warmer than it otherwise would be. This is referred to as the Greenhouse Effect as shown in **Figure 8**. As concentrations of GHGs are increasing, however, the Earth's temperature is increasing. According to National Oceanic and Atmospheric Administration (NOAA) and National Aeronautics and Space Administration (NASA) data, the Earth's average surface temperature has increased by about 1.2 to 1.4ºF in the last 100 years.

Figure 8: The Greenhouse Effect



Source: US Department of the Interior, National Park Service (NPS)

Table 2 shows the percentage of all gases, including the predominant GHGs carbon dioxide (CO2), methane (CH4), and nitrous oxide (N2O), in the atmosphere. As shown, carbon dioxide (CO2) accounts for approximately 0.039 percent of the Earth's atmosphere, while methane (CH4) and nitrous oxide (N2O) account for 0.00018 percent and 0.000032 percent, respectively. Overall, greenhouse gases account for less than 1 percent of the Earth's atmosphere.

Table 2: Composition of the Earth's Dry Atmosphere (2009)

Gas	Percentage in Atmosphere
Nitrogen	78.1%
Oxygen	20.9%
Argon	0.9%
Carbon Dioxide	0.039%
Methane	0.00018%
Nitrous Oxide	0.000032%
Sulfur Hexafluoride	0.00000000067%

Source: NOAA (http://www.esrl.noaa.gov/gmd/outreach/carbon_toolkit/basics.html)

Some GHGs, such as CO2, occur naturally and are emitted to the atmosphere through natural processes and human activities. The principal GHGs emitted as a result of human activities are carbon dioxide (CO2), methane (CH4), nitrous oxide (N2O) and fluorinated gases.

According to the Carbon Dioxide Information Analysis Center (CDIAC), the primary climate-change data and information analysis center of the US Department of Energy (DOE), approximately 14 percent of the CO2 in the atmosphere has been produced by humans through the burning of fossil fuels, and approximately 8 percent is from land use changes/deforestation and cement manufacture.[1] The remaining 78 percent of CO2 in the atmosphere can be attributed to natural sources. According to the US EPA, natural sources of CH4 are estimated to produce 37 percent of the total CH4 flux into the atmosphere every year. Natural sources of N2O are estimated to contribute about 64 percent of the total inputs to the atmosphere.[2]

GHGs differ in their ability to trap heat. To compare emissions of GHGs, compilers use a weighting factor called a Global Warming Potential (GWP), where the heat-trapping ability of one metric ton (1,000 kilograms) of CO_2 is taken as the standard, and emissions are expressed in terms of CO_2 equivalent (CO_2e), but can also be expressed in terms of carbon equivalent. The principal GHGs emitted as a result of human activities are described below:

- **Carbon Dioxide (CO_2).** Carbon dioxide enters the atmosphere through the burning of fossil fuels (oil, natural gas and coal), solid waste, trees and wood products, and also as a result of other chemical reactions (e.g., manufacture of cement). Carbon dioxide is also removed from the atmosphere (or "sequestered") when it is absorbed by plants as part of the biological carbon cycle.
- **Methane (CH_4).** Methane is emitted during the production and transport of coal, natural gas and oil. Methane emissions also result from livestock and other agricultural practices and by the decay of organic waste in municipal solid waste landfills.
- **Nitrous Oxide (N_2O).** Nitrous oxide is emitted during agricultural and industrial activities, as well as during combustion of fossil fuels and solid waste.

[1] http://cdiac.ornl.gov/faq.html#Q7

[2] http://www.epa.gov/outreach/pdfs/Methane-and-Nitrous-Oxide-Emissions-From-Natural-Sources.pdf

- **Fluorinated Gases.** Hydrofluorocarbons, perfluorocarbons and sulfur hexafluoride are synthetic, powerful greenhouse gases that are emitted from a variety of industrial processes. Fluorinated gases are sometimes used as substitutes for ozone-depleting substances (e.g., chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs) and halons). These gases are typically emitted in smaller quantities, but because they are potent greenhouse gases, they are sometimes referred to as High Global Warming Potential gases (High GWP gases).

2.1.6 Attainment Status/Regional Air Quality Conformity

Section 107 of the 1977 Clean Air Act Amendment requires that EPA publish a list of all geographic areas in compliance with the NAAQS, as well as those areas not in attainment of the NAAQS. The designation of an area is made on a pollutant-by-pollutant basis. The EPA's area designations are shown in **Table 3**. Ozone nonattainment areas can be classified as marginal, serious, severe, or extreme based on the degree of nonattainment, and different levels of controls and attainment deadlines apply to each area.

Table 3: Attainment Classifications and Definitions

Attainment	Unclassified	Maintenance	Nonattainment
Area is in compliance with the NAAQS.	Area has insufficient data to make a determination and is treated as being in attainment.	Area once classified as nonattainment but has since demonstrated attainment of the NAAQS.	Area is not in compliance with the NAAQS.

Source: Parsons Brinckerhoff, 2012

The project study corridor encompasses both Baltimore City and Baltimore County. Baltimore City is classified as a maintenance area for CO, whereas Baltimore County is classified as attainment for CO. Both areas are classified as nonattainment areas for $PM_{2.5}$ and as serious nonattainment areas for O_3. There are six levels within the ozone nonattainment classification system. In order of increasing severity, they are marginal, moderate, serious, severe 15, severe 17 and extreme. A serious nonattainment means the area has values of 0.100 up to but not including 0.113 ppm of ozone.

Baltimore City and Baltimore County are part of the Baltimore Regional Transportation Board (BRTB). The BRTB is the federally-designated Metropolitan Planning Organization (MPO) for the Baltimore region. The BRTB represents the cities of Annapolis and Baltimore and the counties of Anne Arundel, Baltimore, Carroll, Harford and Howard. The mission of the BRTB is to provide regional transportation planning and policy making for the Baltimore region. As the MPO, the BRTB is directly responsible for making sure that any money spent on existing and future transportation projects and programs is based on a continuing, cooperative and comprehensive planning process. All transportation projects in the Baltimore region that receive federal funding, such as the Red Line project, go through this planning process.

The BRTB provides policy direction and oversight in the development of a federally-mandated Transportation Improvement Program (TIP), the *Long Range Transportation Plan* (LRTP) and the transportation element of the *State Air Quality Implementation Plan* (SIP).

The TIP is financially constrained over five years covering the most immediate implementation priorities for surface transportation projects and strategies from the LRTP. The TIP includes all state and local projects that request federal dollars to implement (those projects have a state or local dollar match). The 2012-2015 TIP was adopted by the Baltimore Regional Transportation Board on November 14, 2011.

The LRTP is a long range transportation plan guiding transportation system improvements for the Baltimore metropolitan region. It serves as a blueprint for long and short range strategies and actions for developing an integrated intermodal transportation system to facilitate the efficient movement of people and goods. The area's LRTP – "*Plan It 2035*" was approved by the BRTB on November 14, 2011.

On June 12, 2007, the Maryland Department of the Environment (MDE) submitted the Baltimore Nonattainment Area 8-hour O_3 SIP to the EPA. On January 15, 2009, the EPA sent a letter to the MDE stating that the EPA finds the budgets in the 2008 Reasonable Further Progress Plan submittal for the Baltimore 8-hour nonattainment area adequate for transportation conformity purposes. The Federal Register notice was published on March 27, 2009. Conformity testing for the Baltimore region was performed for the 8-hour ozone standard using these budgets for volatile organic compounds (VOC) and nitrogen oxides (NOx). On September 1, 2011, EPA proposed to determine that the Baltimore nonattainment area did not attain the 1997 8-hour ozone standard by the June 15, 2011 attainment date. The region has since been classified as "serious" nonattainment for the 1997 8-hour ozone standard. The MDE has prepared an attainment plan for the annual $PM_{2.5}$ standard, which was approved for the Baltimore region in February 2006. The LRTP – "*Plan It 2035*" was found to conform, by the BRTB, with the Clean Air Act Amendments of 1990.

2.1.7 Ambient Air Quality in the Study Area

a. Local Meteorology

The nature of the surrounding atmosphere is an important element in assessing the ambient air quality of an area. Located on the Mid-Atlantic coast, Baltimore sits at the mouth of the Patapsco River, which empties directly into the Chesapeake Bay. The city is protected from harsh weather variations year-round by the Chesapeake Bay and Atlantic Ocean to the east and the Appalachian Mountains due west.

Since the region is near the average path of the low pressure systems which move across the country, changes in wind direction are frequent and contribute to the changeable character of the weather. Rainfall distribution throughout the year is rather uniform; however, the greatest intensities are confined to the summer and early fall months, the season for hurricanes and thunderstorm activity. Precipitation averages 41 inches annually.

In summer, the area is under the influence of the large semi-permanent high pressure system, commonly known as the Bermuda High, which is centered over the Atlantic Ocean. This pressure system brings warm humid air to the area. The proximity of large water areas and the inflow of southerly winds contribute to high relative humidity during much of the year. January is the coldest month, and July, the warmest. Snowfall occurs on about eleven days per year on the average, however, an average of only about six days annually produces snowfalls of one inch or greater. Snow is frequently mixed with rain and sleet, and snow seldom remains on the ground for more than a few days. Glaze or freezing rain occurs on an average of two to three times per year, generally in January or February. Freezing temperatures generally do not occur after mid-April or before the end of October.

Precipitation helps cleanse the atmosphere of pollutants. Very small particles in the atmosphere act as condensation nuclei, triggering the formation of raindrops, while larger particles are literally washed from the air during precipitation events. Precipitation also prevents the drying of the ground, alleviating the formation of fugitive dust; however, precipitation can combine with the oxides of sulfur and nitrogen to produce another form of pollution, namely acid rain.

The annual prevailing wind direction is from the west. Winter and spring months have the highest average wind speed. Destructive velocities are rare and occur mostly during summer thunderstorms. Only rarely have hurricanes in the vicinity caused widespread damage, then primarily through flooding. (NOAA, 1998).

b. Monitored Air Quality

The Air and Radiation Management Administration (ARMA), within the Maryland Department of the Environment (MDE), is responsible for implementing and enforcing regulations to ensure that the air Maryland citizens breathe is clean and healthful. This mission is accomplished through several methods, including air pollution monitoring. **Figure 9** shows the location of the monitors within the metropolitan area relative to the project study area. Monitored air quality data within, or near, the study area for the years 2009–2011 is presented in **Table 4** Maximum measured air pollutant concentrations at these monitors are shown in **Figure 10**. Further monitoring information is located in **Appendix A**.

Figure 9: Air Quality Monitoring Locations

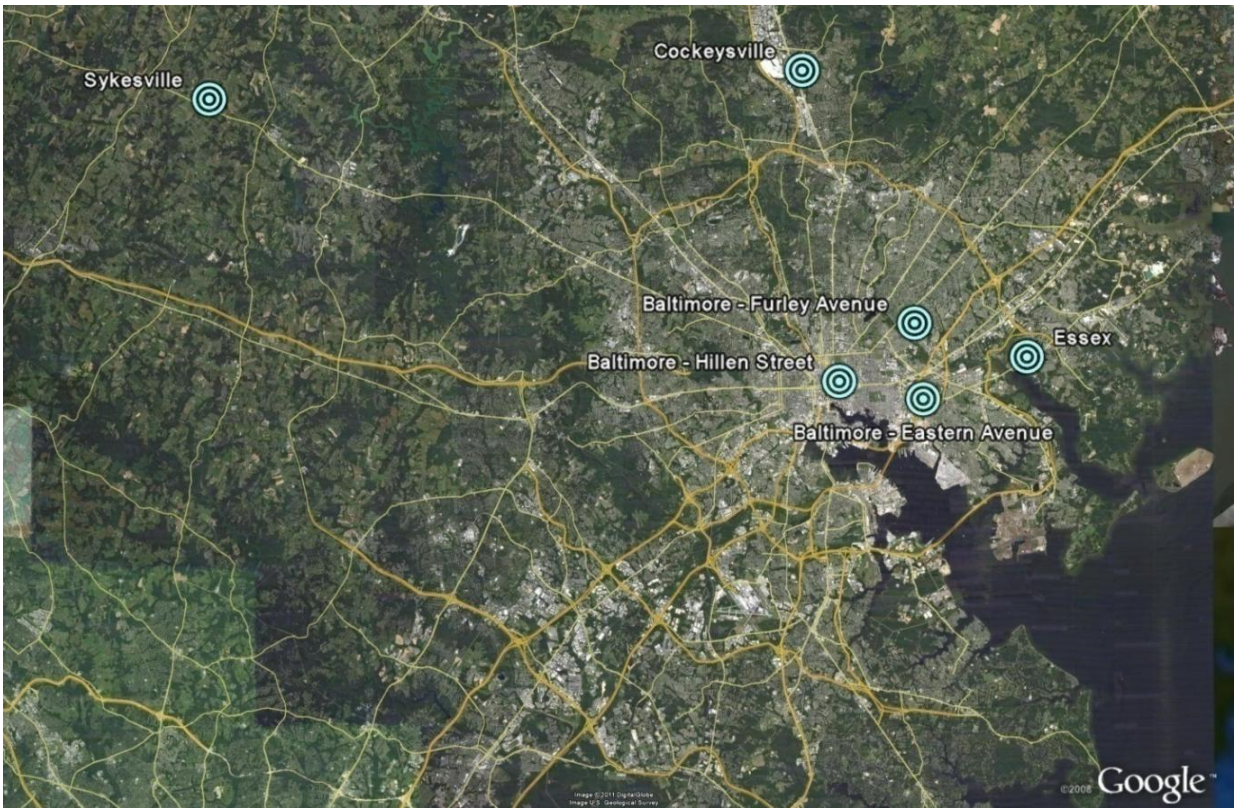
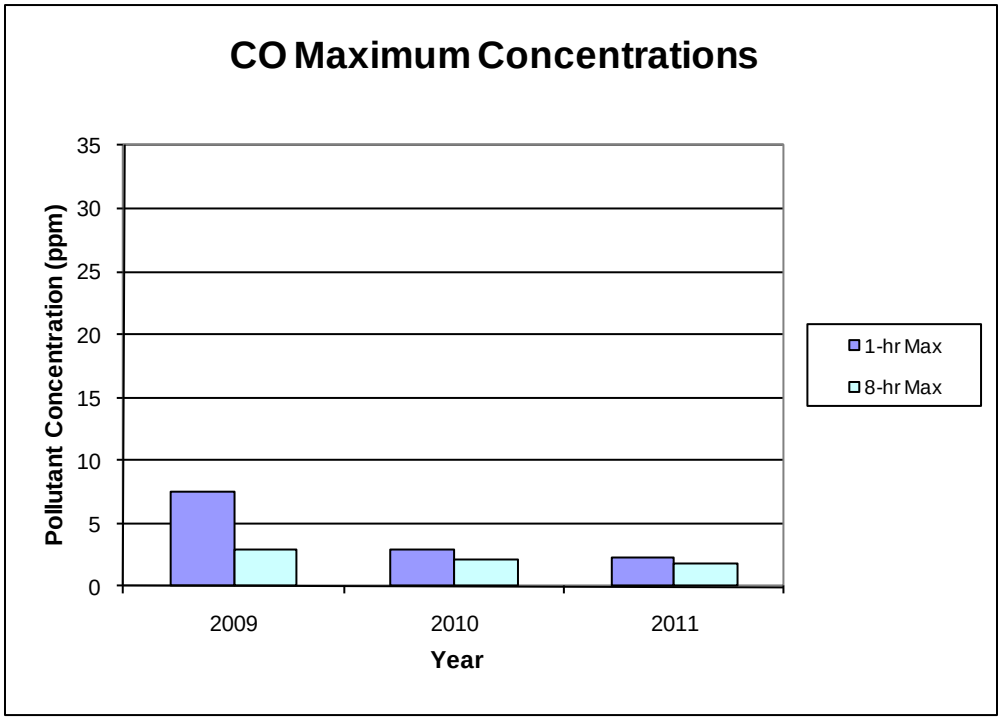


Table 4: Ambient Air Quality Monitoring Data 2009-2011

Pollutant			BALTIMORE Old Town Fire Station 1100 Hillen Street *Baltimore County*			BALTIMORE Baltimore City Fire Department 5714 Eastern Avenue *Baltimore County*			BALTIMORE Furley Recreation Center 4633 Furley Avenue *Baltimore County*			ESSEX 600 Dorsey Avenue *Baltimore County*			COCKEYSVILLE Padonia Elementary School 9834 Greenside Drive *Baltimore County*			SYKESVILLE 1300 W Old Liberty Road *Carroll County*		
			2009	*2010*	*2011*	*2009*	*2010*	*2011*	*2009*	*2010*	*2011*	*2009*	*2010*	*2011*	*2009*	*2010*	*2011*	*2009*	*2010*	*2011*
Carbon Monoxide (CO) [ppm]	1-Hour	Maximum	3.0	2.1	2.3							7.6	3.0	2.3						
		2nd Maximum	2.8	1.9	2.3							5.8	2.7	2.3						
		# of Exceedances	0	0	0							0	0	0						
	8-Hour	Maximum	2.1	1.5	1.8							2.9	2.2	1.7						
		2nd Maximum	1.8	1.4	1.5							1.9	1.9	1.6						
		# of Exceedances	0	0	0							0	0	0						
Particulate Matter [ug/m^3]	PM_{10}	2nd Maximum 24-Hour				37	46	37												
		# of Exceedances				0	0	0												
	$PM_{2.5}$	24-Hour (98th Percentile)	28	30	25	28	29	25				31	29	26	26	32	27			
		Mean Annual	11.2	10.9	10.8	11.1	11.1	10.6				11.0	11.6	10.7	11.0	11.5	10.0			
		# of Exceedances	0	0	0	0	0	0				0	0	0	0	0	0			
Ozone (O_3) [ppm]	8-Hour	Fourth Highest (99th Percentile)							0.066	0.074	0.082	0.071	0.084	0.085	0.068	0.078	0.086	0.068	0.083	0.079
		# of Days Standard Exceeded							0	2	7	1	15	12	1	6	6	0	6	5
Nitrogen Dioxide (NO_2) [ppm]	1-Hour (98th percentile)		0.059	0.061	0.054							0.050	0.054	0.047						
	# of Days Standard Exceeded		0	0	0							0	0	0						
Sulfur Dioxide (SO_2) [ppm]	1-Hour Maximum											0.054	0.020	0.027						
	# of Exceedances											0	0	0						

Notes: Where data was collected at more than one monitor, the highest values were reported.Values correspond to the NAAQS time periods. Shaded cells indicate the highest values for that year; these values are presented in **Figure 10**.
Source: EPA Office of Air Quality Planning and Standards (AIRSData); http://www.epa.gov/air/data/geosel.html

Figure 10: Maximum Measured Pollutant Concentrations



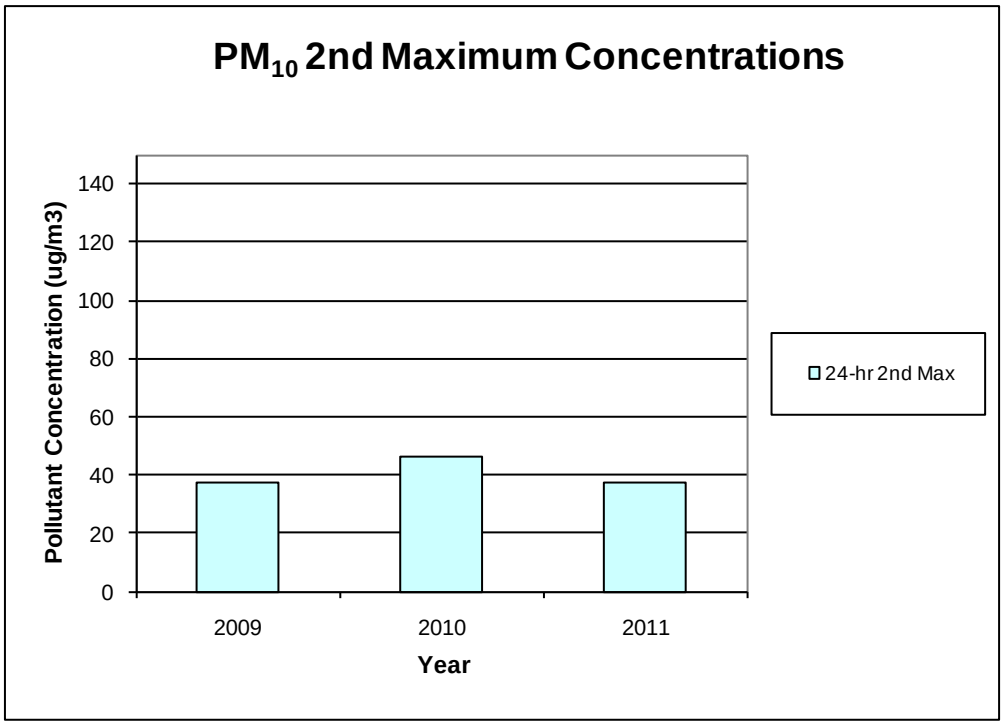
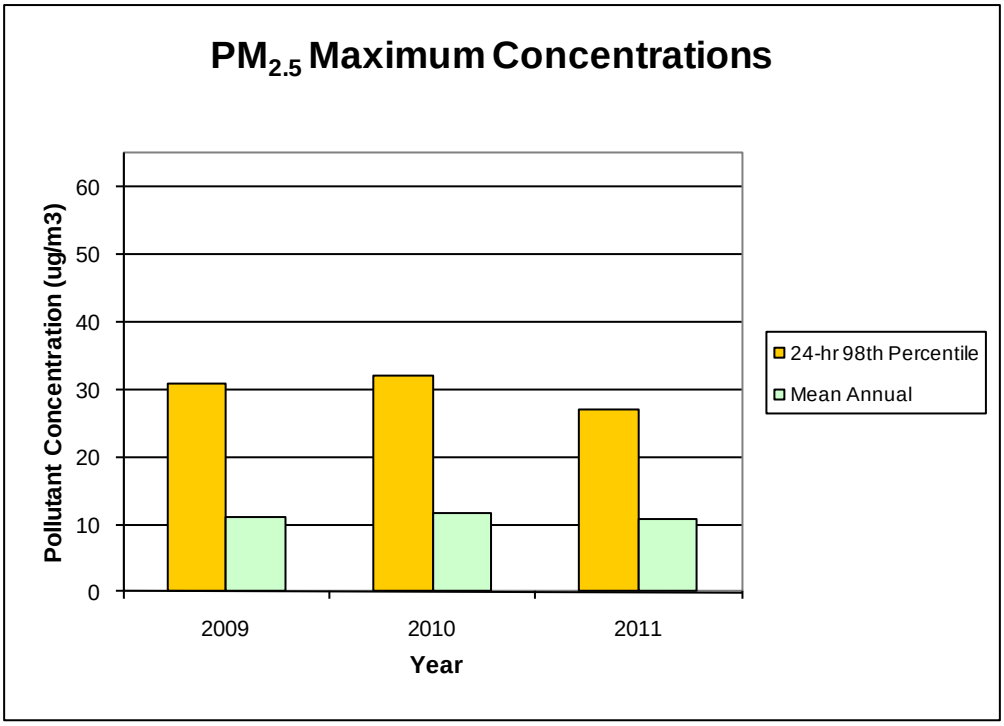
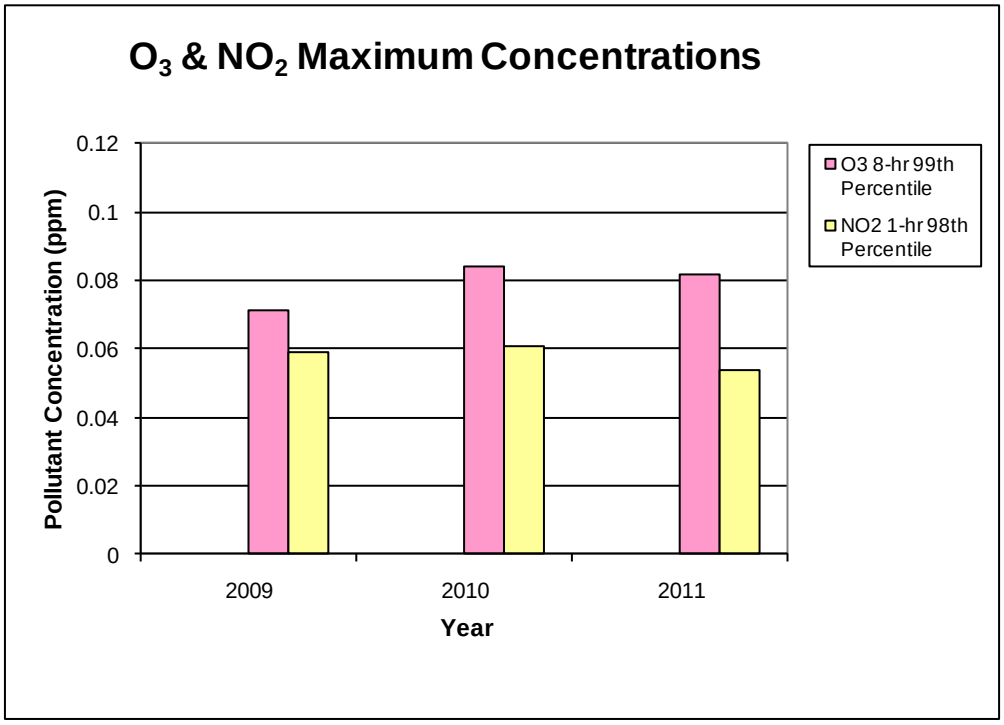


Figure 10: Maximum Measured Pollutant Concentrations (Cont'd)





2.2 Environmental Consequences

2.2.1 Pollutants for Analysis

Pollutants that can be traced principally to motor vehicles are relevant to the evaluation of the project's impacts. These pollutants include CO, HC, NO_x, O_3, PM_{10}, $PM_{2.5}$, and MSAT. Transportation sources account for a small percentage of regional emissions of SO_x and Pb; thus, a detailed analysis of these pollutants is not required.

HC (VOC) and NO_x emissions from automotive sources are a concern primarily because they are precursors in the formation of ozone and particulate matter. Ozone is formed through a series of reactions that occur in the atmosphere in the presence of sunlight. Since the reactions are slow and occur as the pollutants are diffusing downwind, elevated ozone levels often are found many miles from the sources of the precursor pollutants. Therefore, the effects of HC and NO_x emissions generally are examined on a regional or "mesoscale" basis.

PM_{10} and $PM_{2.5}$ impacts are both regional and local. A significant portion of particulate matter, especially PM_{10}, comes from disturbed vacant land, construction activity and paved road dust. $PM_{2.5}$ also comes from these sources. Motor vehicle exhaust, particularly from diesel vehicles, is also a source of PM_{10} and $PM_{2.5}$. PM_{10}, and especially $PM_{2.5}$, can also be created by secondary formation from precursor elements such as sulfur dioxide (SO_2), nitrogen oxides (NO_X), volatile organic compounds (VOCs) and ammonia (NH_3). Secondary formation occurs because of chemical reaction in the atmosphere generally downwind some distance from the original emission source. Thus it is appropriate to predict concentrations of PM_{10} and $PM_{2.5}$ on both a regional and a localized basis.

CO impacts are generally localized. Even under the worst meteorological conditions and most congested traffic conditions, high concentrations are limited to a relatively short distance (300 to 600 feet) of heavily traveled roadways. Vehicle emissions are the major sources of CO. The Red Line project could change traffic patterns within the project study corridor. Consequently, it is appropriate to predict concentrations of CO on both a regional and a localized or "microscale" basis.

MSAT impacts are both regional and local. Through the issuance of EPA's Final Rule, Control of Emissions of Hazardous Air Pollutants from Mobile Sources (66 FR 17229), it was determined that many existing and newly promulgated mobile source emission control programs would result in a reduction of MSATs. The FHWA predicts that even with a 64 percent increase in vehicle miles traveled (VMT), these programs will reduce on-highway emissions of benzene, formaldehyde, 1,3-butadiene and acetaldehyde by 57 percent to 65 percent, and will reduce on-highway diesel PM emissions by 87 percent. As a result, EPA has concluded that no further motor vehicle emission standards or fuel standards were necessary to further control MSATs.

2.2.2 Regional Analysis Methodology

A regional or mesoscale analysis of a project determines a project's overall impact on regional air quality levels. This analysis uses regional Vehicle Miles Traveled (VMT) and Vehicle Hours

Traveled (VHT) within the region with and without the project to determine daily "pollutant burden" levels.

2.2.3 Microscale CO Analysis Methodology

Microscale CO air quality modeling was performed using the most recent version of the EPA mobile source emission factor model (MOBILE6.2) and the CAL3QHC (Version 2.0) air quality dispersion model to estimate future No-Build (without the proposed project) and future Preferred Alternative (with the proposed project) CO levels at selected locations in the project study corridor.

a. Dispersion Model

Mobile source models are the basic analytical tools used to estimate CO concentrations expected under given traffic, roadway geometry and meteorological conditions. The mathematical expressions and formulations that comprise the various models attempt to describe an extremely complex physical phenomenon as closely as possible. The dispersion modeling program used in this project for estimating pollutant concentrations near roadway intersections is the CAL3QHC (Version 2.0) dispersion model developed by the EPA and released in 1992.

CAL3QHC is a Gaussian model recommended in the *EPA Guidelines for Modeling Carbon Monoxide from Roadway Intersections* (EPA-454/R-92-005). Gaussian models assume that the dispersion of pollutants downwind of a pollution source follows a normal distribution from the center of the pollution source.

Different emission rates occur when vehicles are stopped (idling), accelerating, decelerating and moving at different average speeds. CAL3QHC simplifies these different emission rates into two components:

- Emissions when vehicles are stopped (idling) during the red phase of a signalized intersection
- Emissions when vehicles are in motion during the green phase of a signalized intersection

The CAL3QHC (Version 2.0) air quality dispersion model has undergone extensive testing by the EPA and has been found to provide reliable estimates of inert (nonreactive) pollutant concentrations resulting from motor vehicle emissions. A complete description of the model is provided in the *User's Guide to CAL3QHC (Version 2.0): A Modeling Methodology for Predicting Pollutant Concentrations near Roadway Intersections* (EPA-454/R-92-006).

b. Vehicular Emissions

Vehicular emissions were estimated using the EPA MOBILE6.2 vehicular emission factor model. (*User's Guide to MOBILE6.2, Mobile Source Emission Factor Model, Ann Arbor, Michigan,* EPA420-R-02-028*,* October 2002). Input parameters were provided by the Baltimore Metropolitan Council.

MOBILE6.2 is a mobile source emission estimate program that provides current and future estimates of emissions from highway motor vehicles. The latest in the MOBILE series, dating to 1978, MOBILE6.2, was designed by EPA to address a wide variety of air pollution modeling needs. This latest version of MOBILE differs significantly in both structure and data requirements from previous versions. MOBILE6.2 incorporates updated information on basic emission rates, more realistic driving patterns, separation of start and running emissions, improved correction factors and changing fleet composition. It also includes impacts of new regulations promulgated since the model's previous version, MOBILE5b, was released. Input and output files for the Mobile6.2 program are included in Appendix B, which is available on CD.

c. Site Selection and Receptor Locations

A screening evaluation was performed to identify which intersections in the project study corridor are most congested and most affected by the Preferred Alternative. Approximately 150 locations were screened based on changes in intersection volumes, delay and levels-of-service (LOS) from the No-Build to the Preferred Alternative (**Table 5**).

Sites were considered to have failed the screening evaluation if the LOS decreases below "D" in the Preferred Alternative, as compared to the No-Build Alternative, or if the delay and/or volume increase from the No-Build to Preferred Alternative at an intersection where the LOS is D or worse.

Of those intersections screened, 11 were selected for detailed analysis (see **Table 7** and **Figure 11**). These 11 sites were selected because they fail the screening analysis, have the highest volumes, have the highest delays, have a large increase in volume from No-Build to Build conditions, or are near a sensitive receptor. Each geographical area contains at least one analysis site.

Table 5: Intersection Screening Locations

Site #	N/S Street	E/W Street	2035 No Build						2035 Build					
			AM			PM			AM			PM		
			LOS	Delay	Volume	LOS	Delay	Volume	LOS	Delay	Volume	LOS	Delay	Volume
43	Security Blvd.	Greengage Rd.	Unsignalized						B	18.7	1,295	C	22.0	1,400
4	Security Blvd.	Rolling Rd.	D	42.9	5,095	D	45.1	5,450	D	42.5	5,095	E	63.4	5,490
3	Fairbrook Rd.	Rolling Rd.	D	39.9	3,310	B	17.4	3,685	C	31.3	3,180	C	21.7	3,430
2	Rolling Bend	Rolling Rd.	A	8.9	2,350	C	27.1	3,575	B	12.3	2,240	C	25.8	3,305
5	Security Blvd.	Lord Baltimore Dr.	C	34.0	4,505	D	45.0	4,995	C	33.6	4,700	C	30.1	5,015
6	Security Blvd.	Belmont Ave.	C	25.4	4,840	E	73.0	6,665	D	37.7	5,235	E	72.1	6,775
8	Security Blvd.	I-695 Off Ramp	B	11.5	4,985	A	7.0	6,630	B	13.9	5,460	B	10.6	6,740
9	Security Blvd.	I-695 On Ramp	A	0.8	4,735	A	1.2	6,490	A	0.9	5,095	A	0.9	6,155
11	Security Blvd.	Whitehead Rd.	C	20.5	3,725	D	38.0	5,105	C	22.0	4,135	C	32.5	4,790
13	Security Blvd.	Woodlawn Dr.	D	35.4	4,470	F	81.7	5,915	D	42.7	5,175	D	47.7	5,300
20	Parallel Dr.	Woodlawn Dr.	D	38.7	2,195	D	52.8	2,785	D	52.7	2,695	E	74.8	2,720
83	I-70	SSA Connector	Does Not Exist						B	14.4	3,170	C	20.9	4,165
81	I-70	I-70 Park and Ride	Does Not Exist						A	0.9	1,635	A	1.3	2,335
15	Security Blvd.	Gwynn Oak Rd.	B	19.5	2,380	B	18.4	3,770	C	20.7	2,735	B	16.3	3,175
16	Security Blvd.	Perimeter Dr.	A	7.7	2,240	C	27.9	3,670	A	7.6	2,345	C	26.3	3,100
19	Ingleside Ave.	Security Blvd.	E	55.4	4,195	E	57.0	4,300	D	52.3	4,155	D	50.2	4,460
18	Parallel Dr.	Ingleside Ave.	B	11.6	2,370	C	22.9	2,470	B	10.8	1,800	B	13.9	1,875
34/80	Forest Park Ave.	Security Blvd.	C	20.3	2,205	B	18.3	2,405	D	36.2	3,580	C	32.0	3,900
258	Briarclift Rd.	Cooks Lane	B	16.4	2,125	B	12.0	2,110	B	14.1	1,905	B	10.4	1,775
6118	US 40	I-695 OL Ramps	C	34.5	6,565	A	7.1	7,050	D	38.8	6,465	A	7.3	6,720
6127	US 40	I-695 IL Ramps	A	5.2	5,590	A	4.4	6,530	A	5.3	5,420	A	4.1	6,165
249	Kent Ave.	US 40	A	3.4	4,090	A	9.3	5,360	A	3.4	3,890	A	8.6	5,045
250	US 40	Ingleside Ave.	D	39.2	5,045	F	108.7	6,250	D	41.6	4,860	F	92.2	5,990
252	Johnnycake Rd.	Ingleside Ave.	E	58.2	2,590	F	133.1	3,215	D	50.4	2,495	F	130.3	3,340
253	US 40	Johnnycake Rd.	C	32.8	3,770	C	27.9	4,220	C	30.9	3,320	C	29.2	3,765
254	US 40	St. Agnes Lane	B	15.0	3,055	B	18.4	3,595	B	16.5	2,710	B	18.6	3,120
255	US 40	Coleridge Rd.	A	5.7	2,535	B	12.4	3,340	A	6.4	2,145	B	13.1	2,820
256	US 40	Edmondson Ave.	B	11.0	3,000	B	12.4	3,650	B	18.0	2,615	B	14.7	3,130
257	US 40	Cooks Lane	B	15.5	4,720	B	16.6	5,535	B	17.8	4,105	B	17.7	4,770
260	US 40	Nottingham Rd.	A	6.6	4,720	A	7.8	5,485	A	3.3	4,055	A	5.0	4,675
261	US 40	Winans Way	B	11.0	5,010	A	8.5	5,525	D	44.2	4,320	C	34.2	4,715
262	US 40	Glen Allen Drive	A	7.2	4,565	B	12.1	5,250	Unsignalized					
263	US 40	Swann Ave.	D	40.9	4,750	D	44.1	5,185	B	19.9	4,100	D	54.7	4,465
264	US 40	Westside Village Shop Ctr	A	5.0	4,260	A	2.0	4,455	Unsignalized					
24	US 40	Edmondson Village Station	Does Not Exist						A	4.7	3,550	A	4.4	3,650
266	US 40	Woodridge Rd.	C	29.6	4,790	C	27.7	5,010	D	51.5	4,160	C	21.9	4,250
265	US 40	Wildwood Pkwy	B	11.7	4,470	B	13.0	4,800	D	44.3	3,945	D	46.8	4,190
285	US 40	Loudon Ave..	Unsignalized						A	1.6	3,715	A	0.8	3,945
267	US 40	Mt. Holly St.	A	5.2	4,425	A	4.0	4,645	A	3.0	3,730	A	6.9	4,000
268	US 40	Allendale St.	A	9.0	4,510	C	27.9	4,835	C	31.9	3,820	D	36.3	4,170
269	US 40	Edgewood St.	A	2.5	4,200	A	3.9	4,480	A	2.5	3,435	A	2.4	3,740
286	US 40	Denison St.	Unsignalized						A	4.1	3,435	B	10.4	3,795
270	US 40	Hilton Dr.	A	7.7	4,725	B	12.1	5,075	D	40.6	3,995	B	14.7	4,390
280	Edmondson Ave.	Franklin St.	B	14.1	4,390	B	15.4	4,645	B	20.0	3,670	C	31.0	3,985
279	Edmondson Ave.	Poplar Grove St.	C	27.8	1,345	B	15.3	1,450	C	27.0	1,275	C	22.0	1,450
278	Edmondson Ave.	Franklintown Rd.	B	16.1	1,515	C	20.9	1,615	D	44.0	1,495	E	77.0	1,720
277	Edmondson Ave.	Braddish Ave.	B	11.7	1,065	A	7.0	1,200	B	15.1	1,050	A	9.9	1,170
276	Edmondson Ave.	Whitmore Ave.	A	7.1	955	A	7.8	1,100	A	6.3	1,005	A	5.1	1,125
275	Edmondson Ave.	Warwick Ave.	B	14.1	1,195	B	10.4	1,460	C	34.7	1,350	B	15.6	1,460
274	Edmondson Ave.	Bentalou St.	B	13.7	1,005	B	15.9	1,235	C	26.9	970	D	37.4	1,175
272	US 40	Franklintown Rd.	B	17.8	4,745	B	15.5	4,570	E	66.0	3,990	E	71.0	3,790
12	US 40	Evergreen St.	Unsignalized						A	5.2	3,455	B	13.2	3,370
273	US 40	Warwick Rd.	C	20.1	4,790	C	33.1	4,810	E	59.9	4,120	C	34.0	4,070
20	US 40	Smallwood St.	Unsignalized						A	4.6	1,245	A	6.0	1,920
291	W. Franklin St.	N. Pulaski St.	C	30.6	2,050	C	22.6	2,900	C	29.4	1,900	C	24.7	2,435
287	W. Franklin St.	N. Payson St.	C	30.2	1,575	F	95.7	2,500	D	37.1	1,420	E	62.0	2,010
627	W. Mulberry St.	Smallwood St.	Unsignalized						A	8.5	2,435	B	16.0	1,860
292	W. Mulberry St.	N. Pulaski St.	B	19.6	3,260	C	31.4	2,420	C	23.2	2,815	C	31.0	2,295
288	W. Mulberry St.	N. Payson St.	B	12.0	2,745	A	8.5	2,020	A	6.8	2,365	A	9.9	1,920
296	Baltimore St.	Warwick Ave.	B	19.5	1,390	B	19.2	1,475	C	21.0	1,350	C	22.4	1,670
293	Baltimore St.	Pulaski St.	C	20.4	1,010	B	19.0	1,030	C	20.2	1,000	B	20.0	1,050
294	Frederick Ave.	Pulaski St.	B	15.6	870	B	15.8	945	B	16.2	825	B	17.5	955
295	Pratt St.	Pulaski St.	B	16.9	1,040	B	17.5	885	B	17.1	1,080	B	18.0	875
1396	Edmondson Ave.	Payson St.	C	22.2	825	C	30.8	1,065	A	6.2	815	A	7.1	1,055
401	Edmondson Ave.	Monroe St.	D	37.5	2,080	C	26.6	1,910	C	31.2	2,090	C	23.4	1,890
402	Edmondson Ave.	Fulton Ave.	B	15.1	1,905	D	48.3	2,465	B	13.8	1,925	D	49.6	2,530
403	Edmondson Ave.	Gilmor St.	D	43.1	1,030	C	25.7	990	C	22.2	1,085	B	19.6	1,055
404	Edmondson Ave.	Calhoun St.	B	15.7	675	B	12.6	685	B	11.1	705	B	14.2	725
405	Edmondson Ave.	Carey St.	C	25.0	550	C	23.3	850	B	19.1	630	B	16.2	920

Table 6: Intersection Screening Locations

Site #	N/S Street	E/W Street	2035 No Build						2035 Build					
			AM			PM			AM			PM		
			LOS	Delay	Volume	LOS	Delay	Volume	LOS	Delay	Volume	LOS	Delay	Volume
406	Edmondson Ave.	Arlington St.	B	16.6	475	B	18.7	655	B	13.2	560	B	16.2	730
407	Franklin St.	Monroe St.	B	10.4	1,710	D	44.0	1,680	A	6.5	1,780	B	11.4	1,770
408	Franklin St.	Fulton Ave.	B	10.6	1,380	D	35.2	2,235	A	2.4	1,460	A	7.8	2,410
409	Franklin St.	Gilmor St.	B	18.9	775	B	16.4	1,050	B	17.7	870	B	10.4	1,230
410	Franklin St.	Carey St.	B	15.3	655	B	15.3	1,185	A	7.8	775	B	12.8	1,390
411	Franklin St.	Carrollton Ave.	B	12.2	450	A	9.3	890	A	3.5	560	A	3.5	1,095
412	Franklin St.	Arlington St.	B	16.9	570	B	13.7	1,085	B	10.5	710	B	10.4	1,320
413	Franklin St.	Schroeder St.	B	17.8	690	B	12.4	1,230	B	17.5	820	B	11.0	1,510
414	Mulberry St.	Monroe St.	A	9.4	1,910	B	10.9	1,520	B	11.5	2,040	B	14.9	1,625
415	Mulberry St.	Fulton Ave.	B	14.0	1,715	C	25.6	2,105	B	17.6	1,900	B	14.1	2,240
416	Mulberry St.	Gilmor St.	C	31.9	1,075	B	15.6	880	C	21.7	1,290	B	13.2	1,020
417	Mulberry St.	Carey St.	B	17.0	1,105	C	20.6	1,050	B	10.6	1,340	B	14.4	1,185
418	Mulberry St.	Carrollton Ave.	A	8.4	800	A	5.5	665	A	4.7	1,040	B	10.7	795
419	Mulberry St.	Arlington St.	A	6.0	890	B	15.5	785	B	11.0	1,170	A	7.4	960
420	Mulberry St.	Schroeder St.	A	9.8	1,075	B	17.8	1,000	B	10.5	1,390	B	15.6	1,200
422	Saratoga St.	Fremont Ave.	B	18.7	1,155	C	33.1	1,120	B	18.7	1,175	D	39.2	1,190
423	Lexington St.	Fremont Ave.	B	11.6	560	B	12.9	620	A	9.6	545	B	12.4	590
424	Fayette St.	Fremont Ave.	B	14.3	815	B	13.8	940	B	14.5	795	B	13.2	875
1407	Franklin St. WB	MLK Jr. Blvd.	F	89.9	6,890	F	96.4	7,745	E	62.4	7,030	F	87.7	7,665
1406	Mulberry St. EB	MLK Jr. Blvd.	F	173.5	8,030	F	101.6	7,395	F	178.4	8,350	F	107.8	7,415
1405	Saratoga St.	MLK Jr. Blvd.	F	285.8	7,100	F	268.1	6,950	F	308.3	7,385	F	309.9	7,040
1404	Lexington St.	MLK Jr. Blvd.	B	10.4	6,025	D	39.5	5,975	B	13.1	6,320	C	34.4	5,995
1402	Fayette St.	MLK Jr. Blvd.	F	85.6	6,645	E	58.7	7,205	E	76.5	6,905	E	60.1	7,160
425	Baltimore St.	MLK Jr. Blvd.	F	115.9	7,160	F	226.6	7,405	F	83.3	7,375	F	242.1	7,430
426	Lombard St.	MLK Jr. Blvd.	F	80.3	7,225	F	187.6	7,785	D	54.1	7,525	F	202.5	7,815
427	Lombard St.	Penn St.	B	13.5	1,265	F	86.7	1,725	B	13.7	1,295	F	87.0	1,780
428	Lombard St.	Greene St.	C	33.5	2,775	F	91.5	3,355	D	40.4	2,745	F	133.2	3,325
429	Lombard St.	Paca St.	C	23.4	2,980	D	45.5	3,610	B	20.0	2,985	D	38.9	3,385
430	Lombard St.	Eutaw St.	C	22.9	2,180	B	18.6	2,305	B	12.2	2,155	B	13.8	2,255
431	Lombard St.	Howard St.	C	26.4	3,025	F	113.2	3,235	B	15.4	2,950	D	38.9	3,170
432	Lombard St.	Hopkins Pl	F	190.5	3,040	F	224.9	3,315	C	28.8	3,135	F	173.3	3,410
433	Lombard St.	Hanover St.	E	77.1	2,235	E	79.7	2,100	B	19.2	2,265	E	58.6	2,040
434	Lombard St.	Charles St.	B	18.7	2,940	C	20.7	2,690	C	21.0	2,965	C	27.1	2,670
435	Lombard St.	Light St.	D	53.0	4,380	F	230.4	4,340	E	58.1	4,410	F	148.3	4,265
436	Lombard St.	Calvert St.	D	35.5	4,325	F	116.5	4,845	C	22.1	4,335	F	99.9	4,605
437	Lombard St.	South St.	C	31.2	3,010	E	66.7	2,985	C	20.8	3,070	D	44.3	2,870
438	Lombard St.	Commerce St.	C	20.3	2,625	B	14.1	2,190	A	8.4	2,650	B	10.3	2,170
439	Lombard St.	Gay St.	C	31.4	3,090	C	29.3	2,895	B	17.5	3,135	B	15.8	2,900
440	Lombard St.	Market Pl.	B	14.8	2,475	D	40.7	2,375	C	20.1	2,500	C	26.0	2,350
441	Lombard St.	President St.	E	58.4	5,495	E	65.5	5,640	E	60.6	5,605	E	63.3	5,740
442	Pratt St.	President St.	D	46.7	5,750	D	38.5	6,390	D	44.2	5,830	C	26.8	6,445
443	Fawn St.	President St.	A	1.0	3,475	A	0.8	4,370	B	10.9	3,605	B	13.0	4,485
444	Eastern St.	President St.	D	40.8	3,725	E	78.3	4,750	C	33.3	3,855	E	70.5	4,880
445	Fleet St.	President St.	B	14.2	2,320	D	45.4	3,295	B	17.2	2,540	C	33.5	3,560
446	Fleet St.	Exeter St.	B	10.4	2,005	B	11.6	2,355	B	15.8	2,405	B	12.6	2,820
447	Fleet St.	Central Ave.	C	22.7	2,430	B	14.7	2,525	C	31.4	2,970	B	18.6	2,940
448	Fleet St.	Caroline St.	E	64.3	1,690	E	61.8	1,895	B	14.8	1,625	C	21.0	1,940
449	Fleet St.	Broadway	D	39.6	1,635	D	39.8	1,860	C	28.4	1,760	D	43.7	2,115
849	Fleet St.	Wolfe St.	A	3.9	1,350	B	14.2	1,760	A	6.5	1,560	C	27.4	2,070
850	Fleet St.	Washington St.	B	19.8	1,580	A	9.9	1,985	A	6.9	1,520	B	13.6	2,450
5001	Fleet St.	Chester St.	C	32.3	1,915	D	35.2	2,280	C	33.6	1,685	D	37.8	2,195
852	Fleet St.	Patterson Park Ave.	B	17.4	1,000	C	32.7	1,170	C	26.6	1,560	B	15.6	1,305
5002	Aliceanna St.	Boston St.	C	24.2	3,125	F	122.8	2,970	B	17.7	1,845	B	18.6	2,195
5005	Montford Ave.	Boston St.	E	71.2	3,480	A	2.4	3,000	D	50.5	2,095	A	7.6	2,190
5008	Safeway Ent.	Boston St.	Unsignalized						A	5.1	1,885	A	8.8	2,030
5009	Lakewood Ave.	Boston St.	C	30.7	3,695	C	22.8	3,000	D	42.4	2,085	B	19.5	2,130
5011	Boston St.	Kenwood Ave.	Unsignalized						D	46.1	2,160	D	50.5	2,210
5012	Boston St.	Linwood Ave.	D	48.7	4,095	B	11.1	3,270	D	54.0	2,435	C	24.5	2,280
5013	Boston St.	Potomac St.	Unsignalized						D	35.9	2,255	C	23.3	2,135
5014	Boston St.	Ellwood Ave.	A	6.0	3,965	A	4.0	3,235	Unsignalized					
5015	Boston St.	East St.	Unsignalized						C	29.2	2,325	C	28.4	2,365
5016	Boston St.	Clinton St.	F	234.0	4,745	C	26.9	3,565	E	67.5	3,230	D	49.5	2,660
5019	Boston St.	Conkling St.	E	62.7	4,620	C	30.8	3,140	E	56.5	3,360	D	35.4	2,400
5022	Boston St.	Eaton St.	B	18.0	3,675	B	16.3	2,970	C	25.9	2,655	C	32.3	2,170
5020	Old Boston St.	Boston St.	D	40.4	3,440	C	29.0	2,740	E	61.5	2,935	E	74.2	2,375
867	Hudson Ave.	Conkling St.	B	12.0	1,470	B	11.6	1,205	A	9.6	1,290	A	9.8	1,330
868	O'Donnell St.	Conkling St.	F	301.4	3,325	F	144.0	2,835	F	217.9	3,285	F	107.9	2,605
5023	O'Donnell St.	Eaton St.	A	9.3	2,880	B	14.2	2,740	A	10.0	2,795	B	11.8	2,525
5021	Bohdonnell	Boston St.	E	66.9	4,290	D	37.6	3,740	D	48.3	3,845	D	42.8	3,430
22	O'Donnell St.	Ponca St.	C	25.7	4,940	C	32.3	4,490	B	17.4	4,315	C	21.8	3,970
23	O'Donnell St.	I-895 SB Onramp	C	24.4	3,655	C	32.8	3,915	B	16.1	3,185	A	9.9	3,375
5	O'Donnell St.	Ramps TO/FR I-95/895	E	73.4	3,790	C	28.1	3,385	D	51.0	3,855	C	20.0	3,340
15	Lombard St.	I-895 Ramps	E	60.3	3,450	F	209.7	5,095	F	95.0	3,855	F	92.0	5,170
11	Bayview Blvd.	Cassell Dr.	Does Not Exist						C	26.0	2,350	D	50.0	2,230
87	Eastern Ave.	Bayview Blvd.	C	21.4	3,010	C	22.4	3,085	C	21.4	3,085	C	20.1	2,925
32	Interstate Ave.	Driveway/I-95 SB On Ramp	A	5.4	1,550	A	5.1	1,125	A	6.9	1,745	A	5.4	1,385
27	Interstate Ave.	I-95 NB Offramp	B	14.8	1,270	C	22.2	1,340	B	12.3	1,340	C	20.0	1,715
819	Eastern Ave.	Wolfe St.	C	21.0	1,630	C	31.3	1,915						
820	Eastern Ave.	Washington St.	D	48.7	1,935	E	79.1	2,245						
821	Eastern Ave.	Chester St.	C	24.2	1,490	C	20.4	1,950						
822	Eastern Ave.	Patterson Park Ave.	F	215.8	2,465	C	24.7	2,330						

Table 7: **CO Microscale Analysis Locations**

Site #	Intersection Description	Geographic Area
1	Security Blvd & Rolling Rd	1
2	Security Blvd & Forest Park Ave	2
3	US 40 & Winans Way	3
4	US 40 & Franklintown	3
5	MLK & Mulberry St	4
6	MLK & Baltimore St	4
7	Lombard St & Light St	4
8	Lombard St & President St	4
9	Eastern Ave & Patterson Park Ave	5
10	Boston St & Old Boston St	5
11	Lombard St & I-895 Ramps	5

Source: Red Line GEC, 2012

d. Meteorological Conditions

The transport and concentration of pollutants emitted from motor vehicles are influenced by three principal meteorological factors: wind direction, wind speed and the atmosphere's profile. The values for these parameters were chosen to maximize pollutant concentrations at each prediction site, establishing a conservative, worst-case situation.

- **Wind Direction**. Maximum CO concentrations normally are found when the wind is assumed to blow parallel to a roadway adjacent to the receptor location. At complex intersections, it is difficult to predict which wind angle will result in maximum concentrations. Therefore, the approximate wind angle that would result in maximum pollutant concentrations at each receptor location was used in the analysis. All wind angles from 0° to 360° (in 5° increments) were considered.
- **Wind Speed**. CO concentrations are greatest at low wind speeds. A conservative wind speed of one meter per second (2.2 miles per hour) was used to predict CO concentrations during peak traffic periods.
- **Temperature and Profile of the Atmosphere**. A minimum temperature of 30° F, a maximum temperature of 38° F (representing winter conditions), a "mixing" height (the height in the atmosphere to which pollutants rise) of 1,000 meters, and neutral atmospheric stability (stability class D) conditions were used in estimating microscale CO concentrations.

Maximum CO concentrations are normally found when the wind blows parallel to a roadway and at a slight angle towards a receptor located adjacent to the roadway. For receptors in the vicinity of complex intersections and for receptors located along roadways with curvilinear alignments, it is difficult to predict which wind angle will result in maximum concentrations. Therefore, all wind angles from 0° to 360° (in 5° increments) were considered and the maximum pollutant concentrations at each receptor location under any of the wind angles were used in the analysis.

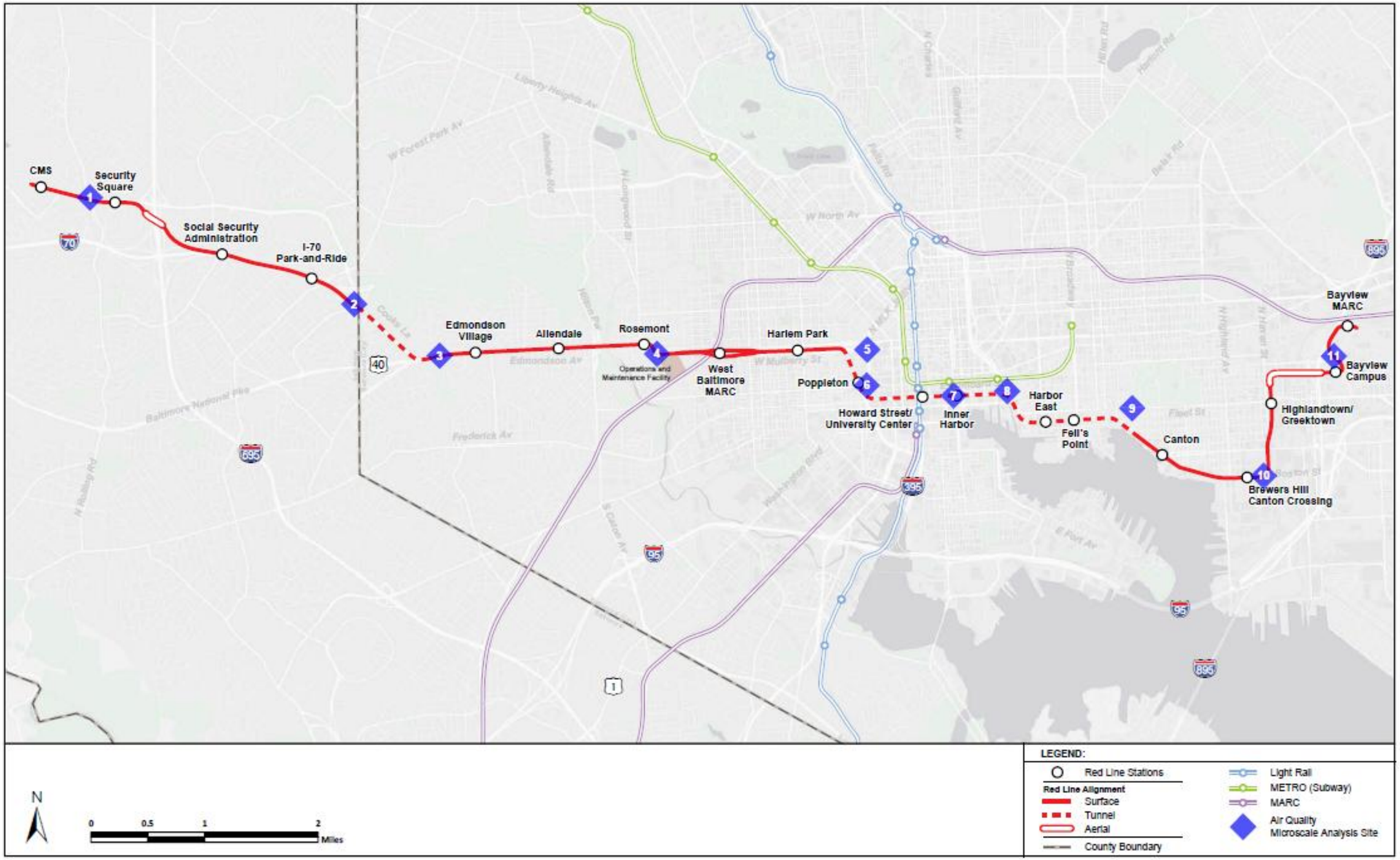


Figure 11: Air Quality Analysis Locations

The CO levels estimated by the model are the maximum concentrations that could be expected to occur at each air quality receptor site analyzed given the assumed simultaneous occurrence of a number of worst-case conditions: peak-hour traffic conditions, conservative vehicular operating conditions, low wind speed, low atmospheric temperature, neutral atmospheric conditions and maximizing wind direction.

e. Persistence Factor

Peak eight-hour concentrations of CO were obtained by multiplying the highest peak hour CO estimates by a persistence factor. The persistence factor accounts for the following:

- Over eight-hours (as distinct from a single hour) vehicle volumes will fluctuate downward from the peak hour
- Vehicle speeds may vary
- Meteorological conditions, including wind speed and wind direction, will vary compared to the conservative assumptions used for the single hour

A persistence factor of 0.7 was used in this analysis. This factor is recommended by SHA and approved by EPA.

f. Background Concentrations

Microscale modeling is used to predict CO concentrations resulting from emissions from motor vehicles using roadways immediately adjacent to the locations at which predictions are being made. A CO background level must be added to this value to account for CO entering the area from other sources upwind of the receptors. The CO background level should be located away from the influence of local traffic congestion.

Based on the recommendation of the Maryland State Highway Administration (SHA), a one-hour background level of 2.3 ppm and an eight-hour background level of 1.6 ppm were added to each analysis site. These values were used for both existing and future analysis years.

g. Traffic Information

Traffic data for the air quality analysis were derived from traffic counts and other information developed as part of an overall traffic analysis for the project using methodology accepted by the SHA. Output from the “Synchro6” signal timing traffic model was used to obtain signal timing parameters. The microscale CO analysis was performed based on data for the AM and PM peak traffic periods.

The percentages of each type of vehicle, for the existing and future year conditions, were determined using data for the Baltimore area provided by the Baltimore Metropolitan Council. Vehicle speeds used in the analysis were obtained from traffic information developed for this project.

h. Analysis Years

CO concentrations were predicted for the existing year (2011), opening year (2021), and design/completion year (2035) for the project.

2.2.4 Results of Emission Burden Assessment

The emission burden analysis of a project determines a project's overall impact on regional air quality levels. As shown in **Table 8**, an emission burden analysis based on the study area's 2035 VMT and VHT was conducted for the No-Build Alternative and the Preferred Alternative. Emission factors were calculated using EPA's MOBILE6.2 mobile source emission factor program.

The Preferred Alternative is predicted to decrease regional pollutant burdens by approximately 1.5 to 1.9 percent, as compared to the No-Build Alternative.

2.2.5 Results of Microscale CO Assessment

Maximum one-hour and eight-hour CO levels were predicted at receptor sites along the proposed project. Maximum one-hour CO concentrations are shown in **Table 9**. Maximum eight-hour CO concentrations are shown in **Table 10**. The values presented represent the highest predicted concentrations for each alternative. The MOBILE6.2 data used in the CO analysis are contained in Appendix B. CAL3QHC (Version 2) input and output information for each site is contained in Appendix C, which is available on CD. No violations of the NAAQS are predicted under any alternative.

Table 8: Regional Emission Burden Assessment (2035)

Alt	Daily VMT	Pollutant (Metric Tons per Day)					Percent Change from No-Build				
		CO	NO_x	VOC	PM_{10}	$PM_{2.5}$	CO	NO_x	VOC	PM_{10}	$PM_{2.5}$
No-Build	4,394,528	36.0	0.8	0.8	0.1	0.1	-	-	-	-	-
Build	4,319,653	35.5	0.8	0.7	0.1	0.1	-1.5%	-1.5%	-1.9%	-1.7%	-1.7%

Notes: CO=carbon monoxide; NO_x=nitrogen oxides; VOC=volatile organic compounds; PM_{10}=particulate matter (10 microns); $PM_{2.5}$=fine particulate matter (2.5 microns).
Source: Parsons Brinckerhoff, 2012

Table 9: Predicted Worst-Case One-Hour CO Concentrations (ppm)

No.	Site Description	Existing (2011)		No-Build				Preferred Alternative			
				2021		2035		2021		2035	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1	Security Blvd & Rolling Rd	4.8	4.4	4.1	4.1	4.1	4.0	3.7	4.0	3.8	4.0
2	Security Blvd & Forest Park Ave	3.5	3.7	3.3	3.4	3.4	3.4	3.6	4.0	3.9	4.0
3	US 40 & Winans Way	4.2	4.3	4.0	4.2	4.1	4.3	3.9	3.9	3.9	3.8
4	US 40 & Franklintown	4.5	3.9	4.1	3.9	4.0	3.9	3.9	3.8	3.6	4.0
5	MLK & Mulberry St	5.4	4.4	5.6	5.2	5.8	5.4	5.1	5.6	5.9	5.6
6	MLK & Baltimore St	5.1	4.2	5.0	5.3	5.1	6.3	4.5	5.2	5.4	6.4
7	Lombard St & Light St	4.7	4.8	4.4	4.7	4.5	4.6	4.3	4.2	4.4	4.4
8	Lombard St & President St	4.9	4.8	4.6	4.6	4.5	4.5	4.4	4.2	4.4	4.4
9	Eastern Ave & Patterson Park Ave	3.4	3.5	3.1	3.3	3.5	3.3	3.4	3.4	3.7	3.3
10	Boston St & Old Boston St	N/A	N/A	3.0	3.2	3.7	3.4	3.3	3.3	3.5	3.3
11	Lombard St & I-895 Ramps	3.7	3.8	3.5	4.1	3.8	4.7	3.8	3.6	3.9	4.5

Table 10: Predicted Worst-Case Eight-Hour CO Concentrations (ppm)

No.	Site Description	Existing (2011)	No-Build		Preferred Alternative	
			2021	2035	2021	2035
1	Security Blvd & Rolling Rd	3.4	2.9	2.9	2.8	2.8
2	Security Blvd & Forest Park Ave	2.6	2.4	2.4	2.8	2.8
3	US 40 & Winans Way	3.0	2.9	3.0	2.7	2.7
4	US 40 & Franklintown	3.1	2.9	2.8	2.7	2.8
5	MLK & Mulberry St	3.8	3.9	4.1	3.9	4.1
6	MLK & Baltimore St	3.6	3.7	4.4	3.6	4.5
7	Lombard St & Light St	3.4	3.3	3.2	3.0	3.1
8	Lombard St & President St	3.4	3.2	3.1	3.1	3.1
9	Eastern Ave & Patterson Park Ave	2.4	2.3	2.4	2.4	2.6
10	Boston St & Old Boston St	N/A	2.2	2.6	2.3	2.4
11	Lombard St & I-895 Ramps	2.7	2.9	3.3	2.7	3.1

Notes: Concentrations include eight-hour CO background = 1.6 ppm; Eight-hour CO Standard = 9 ppm
N/A = intersection does not currently exist
Source: Parsons Brinckerhoff, 2012

2.2.6 PM2.5 Assessment

A $PM_{2.5}$ conformity analysis has been conducted, following the guidelines in EPA's *Transportation Conformity Guidance for Qualitative Hot-Spot Analyses in $PM_{2.5}$ and PM_{10} Nonattainment and Maintenance Areas (March 29, 2006, referred to as "$PM_{2.5/10}$ Guidance").*

Applying the $PM_{2.5/10}$ Guidance, a $PM_{2.5}$ hot-spot analysis should be conducted according to qualitative guidance only if the project is a project of air quality concern, as defined in 40 CFR 93.123(b)(1) as follows:

i. New or expanded highway projects that have a significant number of or significant increase in diesel vehicles;

ii. Projects affecting intersections that are at level of service (LOS) D, E or F with a significant number of diesel vehicles, or those that will change to LOS D, E, or F because of increased traffic volumes from a significant number of diesel vehicles;

iii. New bus and rail terminals and transfer points that have a significant number of diesel vehicles congregating at a single location;

iv. Expanded bus and rail terminals and transfer points that significantly increase the number of diesel vehicles congregating at a single location; and

v. Projects in or affecting locations, areas, or categories of sites which are identified in the $PM_{2.5}$ or PM_{10} applicable implementation plan or implementation plan submission, as appropriate, as sites of violation or possible violation.

Electrically-powered rail vehicles are proposed for the Preferred Alternative; therefore, the Preferred Alternative is not predicted to affect $PM_{2.5}$ levels in the study area.

Examples of projects of air quality concern that would be covered by 40 CFR 93.123(b)(1)(i) and (ii) include the following:

- A project on a new highway or expressway that serves a significant volume of diesel truck traffic, such as facilities with greater than 125,000 annual average daily traffic (AADT) where 8 percent or more of such AADT is diesel truck traffic;
- New exit ramps and other highway facility improvements to connect a highway or expressway to a major freight, bus or intermodal terminal;
- Expansion of an existing highway or other facility that affects a congested intersection (operated at LOS D, E or F) that has a significant increase in the number of diesel trucks; and
- Similar highway projects that involve a significant increase in the number of diesel transit buses and/or diesel trucks.
- Examples of projects of air quality concern that would be covered by 40 CFR 93.123(b)(1)(iii) and (iv) include the following:

- A major new bus or intermodal terminal that is considered to be a "regionally significant project" under 40 CFR 93.101; and
- An existing bus or intermodal terminal that has a large vehicle fleet where the number of diesel buses increases by 50 percent or more, as measured by bus arrivals.

Based on current operational projections, the Preferred Alternative is predicted to reduce overall bus trips by approximately 1 percent. Following the guidance set forth in 40 CFR 93.123(b)(1)(iv), a series of meetings with the Interagency Consultation Group (ICG) for the project's study area, which includes the Baltimore Regional Transportation Board, the Maryland Department of the Environment and the Maryland Department of Transportation, were held to determine whether the project should be considered as a project of air quality concern regarding $PM_{2.5}$ emissions. The ICG issued a letter on November 26, 2012, classifying the project as not a project of air quality concern.

2.2.7 MSAT Assessment

FTA has not issued guidance on consideration of MSAT emissions, but follows FHWA's guidance when conducting NEPA analyses for projects with the potential to affect MSAT emissions. On February 3, 2006, the FHWA released *Interim Guidance on Air Toxic Analysis in NEPA Documents.* This guidance was superseded on September 30, 2009 by the FHWA's *Interim Guidance Update on Air Toxic Analysis in NEPA Documents.* The purpose of the FHWA's guidance is to advise on when and how to analyze MSATs in the NEPA process for highways. This is an interim guidance because MSAT science is still evolving. As the science progresses, the FHWA will update the guidance.

Technical shortcomings of emissions and dispersion models and uncertain science with respect to health effects prevent meaningful or reliable estimates of MSAT emissions and effects of this project. However, even though reliable methods do not exist to estimate accurately the health impacts of MSATs at the project level, it is possible to assess qualitatively the levels of future MSAT emissions under the project. Although a qualitative analysis cannot identify and measure health impacts from MSATs, it can give a basis for identifying and comparing the potential differences in MSAT emissions, if any, from the alternatives. The qualitative assessment presented below is derived in part from a study conducted by the FHWA titled, *A Methodology for Evaluating Mobile Source Air Toxic Emissions among Transportation Project Alternatives*, found at: www.fhwa.dot.gov/environment/airtoxic/msatcompare/msatemissions.htm.

The FHWA's interim guidance groups projects into the following categories:

- Exempt Projects and Projects with No Meaningful Potential MSAT Effects;
- Projects with Low Potential MSAT Effects; and,
- Projects with Higher Potential MSAT Effects.

Based on the recommended approach detailed in the FHWA methodology, the project falls within Category 2, which is a project with low potential MSAT effects. For the Preferred

Alternative, the amount of MSATs emitted would be proportional to the VMT, assuming that other variables, such as fleet mix, are the same.

As shown in **Table 8**, the VMT estimated for the Preferred Alternative is lower than the No-Build Alternative for the study area. As such, the project is predicted to reduce MSATs in the overall study area in comparison to the No-Build Alternative. Also, regardless of the alternative chosen, emissions likely would be lower than present levels in the design year as a result of the US Environmental Protection Agency's (EPA's) national control programs that are projected to reduce annual MSAT emissions by 72 percent between 1999 and 2050. Local conditions may differ from these national projections in terms of fleet mix and turnover, VMT growth rates and local control measures. However, the magnitude of the EPA-projected reductions is so great (even after accounting for VMT growth) that MSAT emissions in the study area likely would be lower in the future in nearly all cases.

There may be localized areas where ambient concentrations of MSATs could be higher under the Preferred Alternative than under the No-Build Alternative. Dispersion studies have shown that the "roadway" air toxics start to drop off at about 100 meters (328 feet). By 500 meters (1,640 feet), most studies have found it very difficult to distinguish the roadway from background toxic concentrations in any given area. However, as discussed previously, the magnitude and duration of these potential increases compared to the No-Build Alternative cannot be accurately quantified because of the inherent deficiencies of current models. However, on a regional basis, the EPA's vehicle and fuel regulations coupled with fleet turnover will cause region-wide MSAT levels to be significantly lower than today in almost all cases.

This air quality impacts technical report includes a basic analysis of the likely MSAT emission impacts of the project. However, available technical tools do not enable us to predict project-specific health impacts of the emission changes associated with the project alternatives. As a result of these limitations, the following discussion is included in accordance with the Council on Environmental Quality's regulations (40 *Code of Federal Regulations* [C.F.R.] 1502.22(b)) regarding incomplete or unavailable information.

a. Information that is Unavailable or Incomplete

Evaluating the environmental and health impacts from MSATs on a proposed highway project would involve several key elements, including emissions modeling, dispersion modeling to estimate ambient concentrations resulting from the estimated emissions, exposure modeling to estimate human exposure to the estimated concentrations, and a final determination of health impacts based on the estimated exposure. Each of these steps is encumbered by technical shortcomings or uncertain science that prevents a more complete determination of the MSAT health impacts of this project.

Emissions

The EPA tools to estimate MSAT emissions from motor vehicles are not sensitive to key variables determining emissions of MSATs in the context of highway projects.

Dispersion

The tools to predict how MSATs disperse also are limited. The EPA's current regulatory models, CALINE3 and CAL3QHC, were developed and validated more than a decade ago for the purpose of predicting episodic concentrations of carbon monoxide to determine compliance with the NAAQS**.** The performance of dispersion models is more accurate for predicting maximum concentrations that can occur at some time at some location within a geographic area. This limitation makes it difficult to predict accurate exposure patterns at specific times at specific highway project locations across an urban area to assess potential health risk.

Exposure Levels and Health Effects

Even if emission levels and concentrations of MSATs could be accurately predicted, shortcomings in current techniques for exposure assessment and risk analysis preclude us from reaching meaningful conclusions about project-specific health impacts. Exposure assessments are difficult because it is difficult to accurately calculate annual concentrations of MSATs near roadways and to determine the portion of a year that people are actually exposed to those concentrations at a specific location. These difficulties are magnified for 70-year cancer assessments, particularly because unsupportable assumptions would have to be made regarding changes in travel patterns and vehicle technology (which affects emissions rates) over a 70-year period.

b. Summary of Existing Credible Scientific Evidence Relevant to Evaluating the Impacts of MSATs

Research into the health impacts of MSATs is ongoing. For different emission types, a variety of studies show that either some are statistically associated with adverse health outcomes through epidemiological studies (frequently based on emissions levels found in occupational settings) or that animals demonstrate adverse health outcomes when exposed to large doses.

Exposure to toxics has been a focus of a number of the EPA efforts. Most notably, the agency conducted the National Air Toxics Assessment (NATA) in 1996 to evaluate modeled estimates of human exposure applicable to the county level. While not intended for use as a measure of, or benchmark for, local exposure, the modeled estimates in the NATA database best illustrate the levels of various toxics when aggregated to a national or state level.

The EPA is in the process of assessing the risks of various kinds of exposures to these pollutants. The EPA Integrated Risk Information System (IRIS) is a database of human health effects that may result from exposure to various substances found in the environment. The IRIS database is located at http://www.epa.gov/iris.

There have been other studies that address MSAT health impacts in proximity to roadways. The Health Effects Institute, a non-profit organization funded by the EPA, FHWA and industry, has undertaken a major series of studies to research near-roadway MSAT hot spots, the health implications of the entire mix of mobile source pollutants and other topics. The final summary of the series is not expected for several years.

Some recent studies have reported that proximity to roadways is related to adverse health outcomes – particularly respiratory problems[1]. Much of this research is not specific to MSATs, instead surveying the full spectrum of both criteria and other pollutants. The FHWA cannot evaluate the validity of these studies, but more importantly, the studies do not provide information that would be useful to alleviate the uncertainties listed above and enable us to perform a more comprehensive evaluation of the health impacts specific to this project.

c. Relevance of Unavailable or Incomplete Information

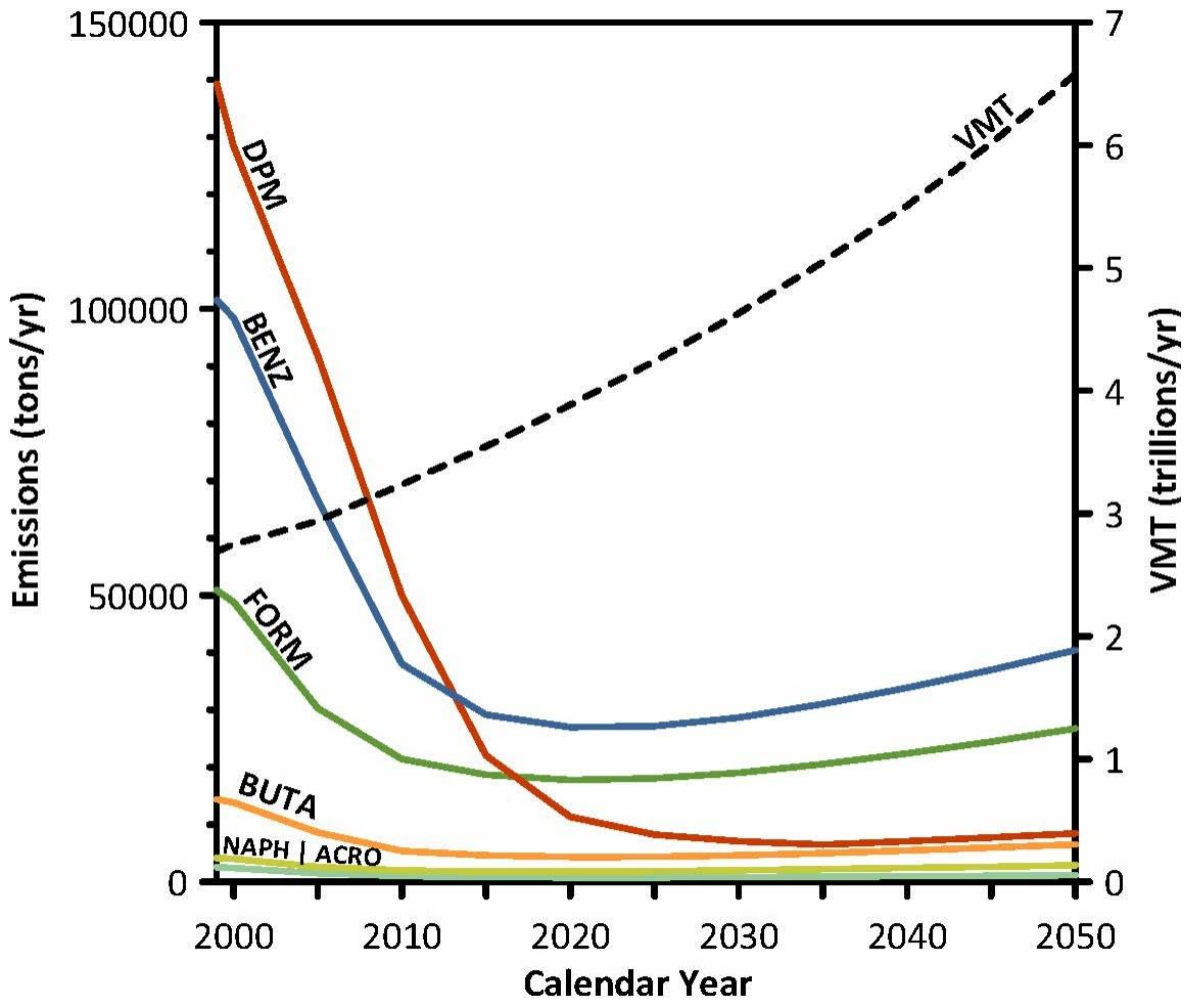
Because of the uncertainties outlined above, a quantitative assessment of the effects of air toxic emissions impacts on human health cannot be made at the project level. While available tools do allow us to reasonably predict relative emissions changes among alternatives for larger projects, the amount of MSAT emissions from each of the project alternatives and MSAT concentrations or exposures created by each of the project alternatives cannot be predicted with enough accuracy to be useful in estimating health impacts. (As noted above, the current emissions model is not capable of serving as a meaningful emissions analysis tool for smaller projects.) Therefore, the relevance of the unavailable or incomplete information is that it is not possible to make a determination of whether any of the alternatives would have "significant adverse impacts on the human environment."

Compared to present levels, emissions in 2030 would likely be lower because of the EPA's national control programs that are projected to dramatically decrease MSAT emissions through cleaner fuels and cleaner engines. According to an FHWA analysis using EPA's MOBILE6.2 model, even if vehicle activity (VMT) increases by 145 percent as assumed, a combined reduction of 72 percent in the total annual emission rate for the priority MSATs is projected from 1999 to 2050, as shown in **Figure 12**. Local conditions may differ from these national projections in terms of fleet mix and turnover, VMT growth rates, and local control measures. However, the magnitude of the EPA-projected reductions is so great that MSAT emissions in the study area are likely to be lower in the future in nearly all cases.

This document has provided a qualitative analysis of MSAT emissions relative to the alternatives, and has acknowledged that the Preferred Alternative may increase exposure to MSAT emissions in certain locations, although the concentrations and duration of exposures are uncertain. Because of this uncertainty, the health effects from these emissions cannot be estimated.

[1] South Coast Air Quality Management District, Multiple Air Toxic Exposure Study-II (2000); Highway Health Hazards, The Sierra Club (2004) summarizing 24 studies on the relationship between health and air quality; NEPA's Uncertainty in the Federal Legal Scheme Controlling Air Pollution from Motor Vehicles, Environmental Law Institute, 35 ELR 10273 (2005) with health studies cited therein.

Figure 12: National MSAT Emission Trends for Vehicles Operating on Roadways Using EPA's Mobile6.2 Model, 1999–2050



2.2.8 Greenhouse Gas Assessment

CO_2 emission estimates are based on the amount of direct energy required. The direct energy values represent the energy required for vehicle propulsion. This energy is a function of traffic characteristics such as volume, speed, distance traveled, vehicle mix and thermal value of the fuel being used. The direct energy calculations also include the energy required to power the LRT under the Preferred Alternative. CO_2 emission coefficient factors are then applied to the energy estimates to determine the amount of CO_2 generated. For roadway energy, a CO_2 emission coefficient of 70.88 kilograms of CO_2 per million BTU and 73.15 kilograms of CO_2 per million BTU were used for gasoline fueled vehicles and diesel fueled vehicles, respectively. A coefficient factor of 125.95 kilograms of CO_2 per million BTU was used for electrical power generation for the LRT. The roadway coefficient factors were obtained from the Department of Energy's Energy Information Administration, and the LRT coefficient factors were obtained from the US Environmental Protection Agency's eGRID database.

As shown in **Table 11**, CO_2 emission burdens under the Preferred Alternative are predicted to increase by 0.2 percent, as compared to the No-Build Alternative. Considering the scale of these numbers and the very small predicted percent changes, differences in the predicted CO_2 emission burdens for the Preferred Alternative can be considered insignificant and not measurably different from the No-Build Alternative.

Table 11: CO_2 Emission Burdens

Alternative	Daily Direct Energy (million BTUs)	Total CO_2 (kg)	Percent Change from No-Build
No-Build	27,337	1,956,849	–
Preferred Alternative	27,170	1,961,198	0.2%

Source: Parsons Brinckerhoff, 2012

2.2.9 Impacts of Operation and Maintenance Facility Activities

The Red Line's Operation and Maintenance Facility (OMF) would service and store rail cars and locomotives. Emission sources from OMF activities include gas-fired roof-top heating units (on some of the on-site buildings) and spray booth operations that would paint the rail cars and other equipment or parts. Emissions from on-site diesel emissions would be minimal (and not considered in this analysis) because the locomotives at the facility would operate under electric power, and diesel locomotives would only operate only under emergency conditions to move trains and/or equipment around the site.

a. Analyses

Two detailed air quality analyses were conducted to estimate the potential air quality impacts of OMF emissions on nearby sensitive land uses. The first analysis estimated potential impacts of the criteria pollutants from heating system emissions. Three criteria pollutants from the gas-fired heating units were considered: NO2, PM10, and PM2.5. The other criteria pollutants were not considered for analysis because their emissions from firing natural gas are very low.

The second analysis was conducted to estimate the potential impacts of the air toxic pollutants that have the potential to be released from spray booth operations. Both (long-term) carcinogenic and chronic non-carcinogenic and acute (short-term) health risks were considered.

b. Emissions

Emissions factors of criteria pollutants from the heating systems were obtained from EPA's "Compilation of Air Pollutant Emission Factors" (AP-42) for a natural gas systems (Table 1.4-1 and 1.4-2). Emission rates were then estimated using these emission factors, typical fuel use factors for natural gas for commercial buildings, and total gross floor area of the buildings. Short-term emission rates were estimated assuming that boilers would operate at 100 percent capacity during the 3 coldest months of the year (approximately 100 days or 2,400 hours); long-term emission rates were estimated based on annual natural gas consumption.

Because no data on paint type, composition, and type of applications are currently available for the OMF, toxic emissions were estimated using a prototypical spray booth facility that involved similar types of operation (such as painting of rail cars, and/or large parts of equipment).

Twelve pollutants associated with spray booth operations, including three carcinogens (ethylene oxide, dimethyl formamide, and benzene) were considered.

c. Dispersion Modeling

Dispersion modeling was conducted to estimate the potential air quality impacts of the emissions from the heating systems and spray booth operations. EPA's AERMOD atmospheric dispersion model was used to simulate physical conditions and predict pollutant concentrations at nearby receptor locations. While this model was used directly to estimate the impacts of most of the criteria pollutants, EPA's AERMOD PVMRM module was used to calculate the highest daily 1-hour NO2 concentration at each receptor for each day corresponding to 98th percentile for each modeled year. The resulting concentrations were averaged over the 5-year modeling period, in accordance with EPA guidance, and the highest five-year average with added background concentrations were compared to the recently promulgated 1-hour NAAQS for NO2.

Emissions were simulated as point sources located 3 feet above the roof of each building. Two locations for the spray booth facility were considered (one located within the Maintenance and Administration building and the second located within the Transportation and Facility Maintenance building), and the highest values estimated for either location were reported.

Five years of the consecutive meteorological data from Baltimore Washington International Airport, which is considered to be representative of land uses near project site, were used for this analysis.

Two sets of receptors (i.e., locations where pollutant concentrations were estimated) were considered. The first are ground-level receptors located on a grid network around the facility boundary (in ten degree increments) and at various distances from the facility's fence line, the second set is comprised of actual ground level and elevated receptors located at residences closest to the facility in each direction. More than 400 receptors were considered in this analysis.

d. Criteria Pollutant Results

Maximum modeling impacts were added to representative pollutant background concentrations for the project area, and the total concentrations were compared with applicable NAAQS. Maximum estimated concentrations are provided in **Table 12**. No violations of the NAAQS are predicted from the OMF.

Table 12: Total Estimated Concentrations of Criteria Pollutants (µg/m^3)

Pollutant	Time Period	NAAQS	Estimated Impact	Background Conc.	Total Estimated Concentrations	Exceed NAAQS?
NO_2	Annual	100	0.05	56	56	No
	1-hour	188	0.68	109	110	No
PM_{10}	24-hour	150	0.09	46	46	No
$PM_{2.5}$	24-hour	35	0.07	28	28	No
	Annual	15	0.03	11	11	No

e. Air Toxic Results

The modeling procedures described above were also used to estimate incremental cancer, chronic noncancer, and acute hazard risks associated with toxic pollutants releases from spray booth operations. The results are as follows:

- Overall incremental cancer risk from all pollutants combined was found to be below the conservative significant threshold of one in-one million established by EPA, and, therefore, is not considered to be significant; and
- Overall chronic non-cancer and acute hazard risks were also found to be below the levels that EPA considers significant.

As such, potential cancer, chronic noncancer, and acute health risks associated with OMF spray booth operations would be below the applicable health risk guideline values, and therefore are not considered to be significant.

f. Conclusions

The result of these analyses are that the potential air quality impacts associated with emissions of the criteria and toxic pollutants releases from OMF operations are the following:

- Maximum estimated criteria pollutant concentrations at nearby sensitive land uses are within (i.e., would not exceed) the NAAQS and, as such, are not considered to be significant; and
- Maximum estimated cancer, noncancer, and acute risks associated with toxic pollutants releases from spray booth operation are all less than health-related guideline values established by EPA for health-related assessments, and toxic pollutants impacts, therefore, are not considered to be significant.

2.3 Construction Impacts on Air Quality

2.3.1 Impacts of On-Site Criteria Pollutant Emissions

a. Analyses

An analysis was conducted to determine whether emissions generated by the construction of the project would significantly impact (i.e., cause an exceedance of an applicable air quality standards at) nearby sensitive land uses. Dust generated from earth moving activities and gaseous emissions generated from diesel exhaust equipment were considered. The pollutants of concern are particulate matter (PM_{10} and $PM_{2.5}$), nitrogen dioxide (NO2), sulfur dioxide (SO2), and carbon monoxide (CO).

PM10 emissions are primarily related to grading, excavation, construction and demolition, land clearing, blasting and drilling, material loading operations, and movement of heavy duty vehicles and equipment. PM2.5 emissions are mostly related to the exhaust of diesel powered construction equipment and trucks. Diesel engines emit primarily nitrogen oxides (NOx) as nitrogen oxide (NO), which is then slowly converted to NO2 in the presence of sunlight. Diesel-fueled engines are also the source of the SO2 emissions; however, because of low sulfur content in diesel fuel as a result of emission controls, emissions of SO2 are relatively low. CO is emitted primarily from the incomplete combustion of gasoline-fueled vehicles.

b. Emissions

Emission rates of each pollutant from all emission sources operated at the construction site were estimated, based on information from EPA's Nonroad, AP-42 and MOBILE6.2 model, for each type of construction activity. Short-term emission estimates were based on peak period activity levels at the site (defined as emissions per month or tons per day). These emission estimates were used to compare the modeling results to short-term standards (i.e. 1-hour, 8-hour, and 24-hour). Annual average activity levels were used to compare modeling results to annual standards.

Emission rates were estimated assuming up to three 8-hour shifts per day and 30.1 days per month. It was conservatively assumed that emissions would occur every hour over a 24-hour period.

The following measures to minimize construction-phase emissions were assumed:

- Site Preparation
    - Minimize land disturbance
    - Water site a minimum of three times per day
    - Cover trucks when hauling dirt
    - Stabilize the surface of dirt piles if they are not removed immediately
    - Use windbreaks to prevent accidental dust pollution

  - Limit vehicular paths and stabilize temporary roads
  - Pave all unpaved construction roads and parking areas from where such roads and parking areas exit the construction site to prevent dirt from washing onto paved roadways
- Construction
  - Up to 80 percent of applicable construction equipment would be equipped with emission control devices such as diesel particulate filters
  - Cover trucks when transferring materials
  - Use dust suppressants on unpaved traveled paths
  - Minimize unnecessary vehicular and machinery activities
  - Minimize dirt track-out by washing or cleaning trucks before leaving the construction site.
  - Use ultra-low sulfur diesel fuel for all diesel equipment
  - All engines for construction equipment must be in compliance with EPA's Tier 2 emission standards or better
- Post-Construction
  - Re-vegetate any disturbed land not used
  - Remove unused material
  - Remove dirt piles
  - Re-vegetate all vehicular paths created during construction to avoid future off-road vehicular activities

The two construction sites with the highest total emissions – Cooks Lane Western Tunnel Portal and Construction Staging Area and Downtown Tunnel Western Tunnel Portal and Construction Staging Area -- were selected for analysis. The highest monthly emissions for the total duration of the construction period for each site (tons per month) were converted to daily emissions (tons per day) and then to grams per second. Emissions were then divided by the size of the construction area and input to the dispersion model.

c. Dispersion Modeling

A detailed air quality analysis was conducted to estimate pollutant concentrations, which were then compared to applicable NAAQS. Dispersion modeling was conducted using the EPA's AERMOD atmospheric dispersion model (latest version 12060) to simulate physical conditions and predict pollutant concentrations at nearby receptor locations. AERMOD is generally applied to estimate impacts from simple point-source emissions from stacks, as well as emissions from volume and area sources. The model accepts actual hourly meteorological observations and directly estimates hourly and average concentrations for various time periods. Regulatory default options and the urban dispersion algorithm of the AERMOD model were used in the analysis. Five consecutive years of meteorological data (2007-2011) from Baltimore-

Washington International Airport, which is considered to be representative of land uses near the project site, were used.

The estimated maximum impact for each pollutant was added to the applicable background concentration for that pollutant, and the total estimated concentrations were compared with the applicable NAAQS. Receptors (i.e., locations where pollutant concentrations were estimated) considered in this analysis are ground-level sites located on a grid network surrounding each construction site boundary within approximately 1000-feet of the site boundary in all directions.

Nitrogen dioxide (NO2) is one of the pollutants of concern for this analysis. However, nitrogen oxide emissions from combustion in diesel-fueled engines are predominantly in the form of nitric oxide (NO), which is then converted in the atmosphere to NO2 in the presence of ozone and sunlight. This chemical transformation usually occurs over time as the plume travels downwind from the source, and the percent of NO2 in the exhaust plume is almost the same as at the source. As such, conversion factors were used to estimate local NO2 impacts.

d. Results

Pollutant concentrations were estimated for comparison with the NAAQS. Total estimated concentrations of each of the pollutants are provided in **Table 13**. No violations of the NAAQS are predicted during construction activities.

Table 13: Maximum Total Estimated Criteria Pollutant Concentrations

Pollutant	Averaging Time Period	NAAQS	Estimated Impacts	Background Concentrations	Total Estimated Concentrations	Exceed NAAQS?
		ug/m3	ug/m3	ug/m3	ug/m3	
Cooks Lane Western Tunnel Portal/Construction Staging Area						
NO_2	1-hour	188	23	109	132	No
	Annual	100	25	49	74	No
$PM_{2.5}$	24-hour	35	5.4	27.7	33	No
	Annual	15	1.8	10.7	12.5	No
PM_{10}	24-hour	150	33	40	73	No
CO (ppm)	8-hour	9	0.22	1.8	2	No
SO_2	1-hour	196	0.26	88	88	No
Downtown Tunnel Western Tunnel Portal/Construction Staging Area						
NO_2	1-hour	188	38	109	147	No
	Annual	100	44	49	93	No
$PM_{2.5}$	24-hour	35	6.4	27.7	34	No
	Annual	15	2.2	10.7	12.9	No
PM_{10}	24-hour	150	37	40	77	No
CO (ppm)	8-hour	9	0.24	1.8	2	No
SO_2	1-hour	196	0.30	88	88	No

2.3.2 Impacts of On-Site Air Toxic Emissions

a. Analyses

A total of 23 toxic contaminants associated with operations of the diesel-fueled engines were identified and considered for analysis. Those contaminants that the health-related guideline values were developed for were included in the analysis. Among them, 11 contaminants (acetaldehyde, benz[a]anthracene, benzene, benzo(a)pyrene, benzo[k]fluoranthene, 1,3-butadiene, chrysene, dibenzo[a,h]anthracene, formaldehyde, ideno[1,2,3-cd]pyrene, and naththalene) are carcinogens for which EPA developed unit cancer risk factors and chronic non-cancer inhalation reference dose concentrations.

b. Methodology

Emission rates of toxic air pollutants from diesel engines were estimated using Total Organic Compound (TOC) emission factors and emission factors for each toxic compound comprised TOC group from EPA's Compilation of Air Pollutant Emission Factors (AP-42). Based on each compound and total TOC emission factors, the ratio of emission factors was developed and applied to the 1-hour and annual pollutant estimated concentrations. Short-term and annual emission rates for each toxic contaminant are provided in **Table 14** and **Table 15**, together with the maximum estimated (using the same AERMOD dispersion modeling methodology that was used for criteria pollutants) 1-hour and annual concentrations for each contaminant for construction sites 2 and 4. The maximum values are based on modeling five years of meteorological data (and year-by-year results are provided on the bottom of these tables). These maximum concentrations were then used to estimate inhalation exposure concentrations for each compound in the analysis of cancer risk, and non-cancer chronic and acute hazard indexes.

The procedures used to estimate cancer risk and hazard index of toxic pollutants are based on inhalation exposure concentrations that are outlined in the EPA Human Health Risk Assessment Protocol (HHRAP). The HHRAP is a guideline that can be used to perform health risk assessment for individual compounds with known health effects to determine the level of health risk posed by an increased ambient concentration of that compound at a potentially sensitive receptor. The derived health risk values from the HHRAP were used in this analysis to determine the total risk posed by the release of multiple TOCs.

TOCs were considered as both carcinogens and non-carcinogens. Carcinogenic TOCs were evaluated using unit risk factors (URF); non-carcinogenic TOCs were evaluated using the reference concentrations for inhalation exposure (RfC) and/or acute inhalation exposure (AIEC). RfC and AIEC were used to estimate non-carcinogenic health effects of substances that are also carcinogens. A conservative cancer threshold of one in-one million, as recommended by the EPA for health-risk related assessments, was used in the analysis.

Carcinogens

Individual lifetime cancer risk through direct inhalation of carcinogen (dCR) was estimated using the following equation (HHRAP, Appendix C, Table C-2-1):

Cancer Risk (dCR) = EC x URF and EC = C_a x EF x ED/AT x 365 days/year

where:

EC = annual exposure concentrations of compound, µg/m^3

C_a = annual ambient air concentration of specific pollutant (estimated by the dispersion model), µg/m^3

URF = compound-specific inhalation unit risk factor in (µg/m^3)$^{-1}$

EF = exposure frequency, days/year (EPA recommends to use 350)

ED = exposure duration, year (assumed to be 70)

AT = averaging time, year (assumed by EPA to be 70 years)

Once the individual risk of each compound was estimated, they were summed together to estimate the total cancer risk of all carcinogens together. If the total incremental cancer risk was found to be less than or equal to the one in-one million (1.0 E-06) benchmark for this project, the carcinogenic risk of the project was considered to be acceptable.

Non-Carcinogens

Non-cancer chronic inhalation hazard quotients were estimated using the following equation (HHRAP, Appendix C, Table C-2-2):

Non-Cancer Hazard Index = EC x 0.001/RfC and EC = Ca x EF x ED/AT x 365 days/year

where:

EC = exposure concentrations of compound, µg/m^3

C_a = total ambient air concentration of specific pollutant (estimated by the dispersion model), µg/m^3

RfC = reference dose concentration, established by the EPA, mg/m^3

EF = exposure frequency, days/year (EPA recommends to use 350)

ED = exposure duration, year (EPA recommends value of 30 for adult resident)

AT = averaging time, yr (EPA recommends value of 30 for non-carcinogens)

0.001 = units conversion factor, mg/µg

For the acute short-term inhalation exposure the following equation was used (HHRAP, Appendix C, Table C-2-3):

Acute Hazard Index = Cacute x 0.001/AIEC

where:

C_{acute} = 1-hour air concentration, (estimated by the dispersion model), µg/m^3

AIEC = 1-hour acute inhalation exposure guideline value, mg/m^3

0.001 = units conversion factor, mg/µg

Once the chronic or acute hazard quotient of each compound was estimated, they were summed together to arrive with the total chronic or acute Hazard Index.

Table 14: Toxic Pollutant Emission Rates and Estimated 1-Hour and Annual Pollutant Concentrations for Site 2

No.	Pollutants	AP-42 Emission Factors (EF) (lb/MMBtu)	Ratio EF/TOC	Estimated Pollutant Concentrations (ug/m^3)	
				Annual	1-hour
1	Acenaphthene	1.42E-06	4.06E-06	6.43E-07	9.20E-06
2	Acenaphthylene	5.06E-06	1.45E-05	2.29E-06	3.28E-05
3	Acetaldehyde	7.67E-04	2.19E-03	3.47E-04	4.97E-03
4	Acrolein	9.25E-05	2.64E-04	4.19E-05	6.00E-04
5	Anthracene	1.87E-06	5.34E-06	8.47E-07	1.21E-05
6	Benzo(a)anthracene	1.68E-06	4.80E-06	7.61E-07	1.09E-05
7	Benzene	9.33E-04	2.67E-03	4.22E-04	6.05E-03
8	Benzo(a)pyrene	1.88E-07	5.37E-07	8.51E-08	1.22E-06
9	Benzo(g,h,l)perylene	4.89E-07	1.40E-06	2.21E-07	3.17E-06
10	Benzo(k)fluoranthene	1.55E-07	4.43E-07	7.02E-08	1.00E-06
11	1.3-Butadiene	3.91E-05	1.12E-04	1.77E-05	2.53E-04
12	Chrysene	3.53E-07	1.01E-06	1.60E-07	2.29E-06
13	Dibenz(a,h)anthracene	5.83E-07	1.67E-06	2.64E-07	3.78E-06
14	Fluoranthene	7.61E-06	2.17E-05	3.45E-06	4.93E-05
15	Fluorene	2.92E-05	8.34E-05	1.32E-05	1.89E-04
16	Formaldehyde	1.18E-03	3.37E-03	5.34E-04	7.65E-03
17	Indeno(1,2,3-cd)pyrene	3.75E-07	1.07E-06	1.70E-07	2.43E-06
18	Naphthalene	8.48E-05	2.42E-04	3.84E-05	5.50E-04
19	Phenanthrene	2.94E-05	8.40E-05	1.33E-05	1.91E-04
20	Propylene	2.58E-03	7.37E-03	1.17E-03	1.67E-02
21	Pyrene	4.78E-06	1.37E-05	2.16E-06	3.10E-05
22	Toluene	4.09E-04	1.17E-03	1.85E-04	2.65E-03
23	Xylene	2.85E-04	8.14E-04	1.29E-04	1.85E-03

Total AP-42 TOC Emission Factor, lb/MMBtu	0.35
Estimated maximum TOC annual concentration based on 1 g/sec, ug/m3	3.2
Actual maximum TOC annual emission rate, g/sec	0.0503
Estimated maximum TOC annual concentrations based on actual	0.16
Estimated maximum TOC 1-hour concentration based on 1 g/sec, ug/m3	45.1
Actual TOC 1-hour Emission rate, g/sec	0.0503
Estimated TOC 1-hour concentration based on actual emission rate,	2.27

AERMOD Modeling Results by Year for Site 2 (ug/m^3)		
Year	1-hour Conc.	Annual
2007	45.1	3.15
2008	37.4	2.93
2009	44.4	2.76
2010	37.9	2.88
2011	42.5	3.1
Max	45.1	3.15

Table 15: Toxic Pollutant Emission Rates and Estimated 1-Hour and Annual Pollutant Concentrations for Site 4

No.	Pollutants	AP-42 Emission Factors (EF) (lb/MMBtu)	Ratio EF/TOC	Estimated Pollutant Concentration (ug/m^3)	
				Annual	1-hour
1	Acenaphthene	1.42E-06	4.06E-06	1.51E-06	2.58E-05
2	Acenaphthylene	5.06E-06	1.45E-05	5.38E-06	9.18E-05
3	Acetaldehyde	7.67E-04	2.19E-03	8.16E-04	1.39E-02
4	Acrolein	9.25E-05	2.64E-04	9.84E-05	1.68E-03
5	Anthracene	1.87E-06	5.34E-06	1.99E-06	3.39E-05
6	Benzo(a)anthracene	1.68E-06	4.80E-06	1.79E-06	3.05E-05
7	Benzene	9.33E-04	2.67E-03	9.93E-04	1.69E-02
8	Benzo(a)pyrene	1.88E-07	5.37E-07	2.00E-07	3.41E-06
9	Benzo(g,h,l)perylene	4.89E-07	1.40E-06	5.20E-07	8.87E-06
10	Benzo(k)fluoranthene	1.55E-07	4.43E-07	1.65E-07	2.81E-06
11	1.3-Butadiene	3.91E-05	1.12E-04	4.16E-05	7.09E-04
12	Chrysene	3.53E-07	1.01E-06	3.76E-07	6.41E-06
13	Dibenz(a,h)anthracene	5.83E-07	1.67E-06	6.20E-07	1.06E-05
14	Fluoranthene	7.61E-06	2.17E-05	8.10E-06	1.38E-04
15	Fluorene	2.92E-05	8.34E-05	3.11E-05	5.30E-04
16	Formaldehyde	1.18E-03	3.37E-03	1.26E-03	2.14E-02
17	Indeno(1,2,3-cd)pyrene	3.75E-07	1.07E-06	3.99E-07	6.80E-06
18	Naphthalene	8.48E-05	2.42E-04	9.02E-05	1.54E-03
19	Phenanthrene	2.94E-05	8.40E-05	3.13E-05	5.33E-04
20	Propylene	2.58E-03	7.37E-03	2.74E-03	4.68E-02
21	Pyrene	4.78E-06	1.37E-05	5.09E-06	8.67E-05
22	Toluene	4.09E-04	1.17E-03	4.35E-04	7.42E-03
23	Xylene	2.85E-04	8.14E-04	3.03E-04	5.17E-03

Total AP-42 TOC Emission Factor, lb/MMBtu	0.35
Estimated maximum TOC annual concentration based on 1 g/sec, ug/m3	4.28
Actual maximum TOC annual emission rate, g/sec	0.087
Estimated maximum TOC annual concentrations based on actual emission	0.37
Estimated maximum TOC 1-hour concentration based on 1 g/sec, ug/m3	73.0
Actual TOC 1-hour Emission rate, g/sec	0.087
Estimated TOC 1-hour concentration based on actual emission rate, ug/m3	6.35

AERMOD Modeling Results by Year for Site 4 (ug/m^3)		
Year	1-hour Conc.	Annual
2007	73.0	4.28
2008	65.5	4.02
2009	50.5	3.77
2010	51	3.63
2011	69.6	4.22
Max	73.0	4.28

c. Air Toxic Results

Estimated cancer risk, chronic non-cancer risk and acute risks for each individual compound and all compounds together for each site, together with their respective guideline values, are presented in **Table 16**, **Table 17**, **Table 18**, and **Table 19**.

As shown, the overall incremental cancer risk from all pollutants combined is below the applicable significant threshold of one in-one million (1E-06), and both the total chronic non-cancer and acute health hazard risks are less than 1. As such, potential cancer, chronic non-cancer, and acute health risks are not considered to be significant.

The result of the health risk assessment is that the potential impacts of the toxic emissions that could be released from construction operations would not cause exceedances of the applicable health risk guideline values.

Table 16: Cancer Risk and Non-Cancer Hazard Index Results for Site 2

No.	Contaminant	CAS No.	Annual Conc. (C_a) (ug/m^3)	Exposure Concentration (EC)		URF (ug/m^3)$^{-1}$	dCR	RfC (mg/m^3)	HQ
				Carcinogens (ug/m^3)	Non-Carcinogens (ug/m^3)				
1	Acenaphthene	83-32-9	6.43E-07		6.16E-07			5.0E-02	1.23E-08
2	Acenaphthylene	208-24-2	2.29E-06		2.20E-06			5.0E-02	4.39E-08
3	Acetaldehyde	75-07-0	3.47E-04	3.33E-04	3.33E-04	2.20E-06	7.32E-10	9.0E-03	3.70E-05
4	Acrolein	107-02-8	4.19E-05		4.02E-05			2.0E-05	2.01E-03
5	Anthracene	120-12-7	8.47E-07		8.12E-07			3.0E-01	2.71E-09
6	Benz[a]anthracene	56-55-3	7.61E-07	7.29E-07	7.29E-07	1.10E-04	8.02E-11	5.0E-02	1.46E-08
7	Benzene	71-43-2	4.22E-04	4.05E-04	4.05E-04	7.80E-06	3.159E-09	3.0E-02	1.35E-05
8	Benzo(a)pyrene	50-32-8	8.51E-08	8.16E-08	8.16E-08	1.10E-03	8.98E-11	5.0E-02	1.63E-09
9	Benzo[k]fluoranthene	207-08-9	7.02E-08	6.73E-08	6.73E-08	1.10E-04	7.40E-12	5.0E-02	1.35E-09
10	1,3-Butadiene	106-99-0	1.77E-05	7.68E-05	1.70E-05	3.00E-05	2.31E-09	2.0E-03	8.49E-06
11	Chrysene	218-01-9	1.60E-07	6.94E-07	1.53E-07	1.10E-05	7.63E-12	5.0E-02	3.06E-09
12	Dibenzo[a,h]anthracene	53-70-3	2.64E-07	1.15E-06	2.53E-07	1.20E-03	1.37E-09	5.0E-02	5.06E-09
13	Formaldehyde	50-00-0	5.34E-04	5.12E-04	5.12E-04	1.30E-05	6.66E-09	9.8E-03	5.23E-05
14	Ideno[1,2,3-cd]pyrene	193-39-5	1.70E-07	7.37E-07	1.63E-07	1.10E-04	8.11E-11	5.0E-02	3.26E-09
15	Naphthalene	91-20-3	3.84E-05	1.67E-04	3.68E-05	3.40E-05	5.67E-09	3.0E-03	1.23E-05
16	Toluene	108-88-3	1.85E-04	1.78E-04	1.78E-04			5.0E+00	3.55E-08
17	Xylenes	1330-20-7	1.29E-04	1.24E-04	1.24E-04			1.0E-01	1.24E-06
	Combined Cancer Risk						2.0E-08		
	EPA Cancer Risk Threshold						1E-06		
	Total Non- Cancer Hazard Index (HI)								2.1E-03
	Hazard Index Threshold								1

Table 17: Cancer Risk and Non-Cancer Hazard Index Results for Site 4

No.	Contaminant	CAS No.	Annual Conc. (C_a) (ug/m^3)	Exposure Concentration (EC)		URF (ug/m^3)$^{-1}$	dCR	RfC (mg/m^3)	HQ
				Carcinogens (ug/m^3)	Non-Carcinogens (ug/m^3)				
1	Acenaphthene	83-32-9	1.51E-06		1.45E-06			5.0E-02	2.90E-08
2	Acenaphthylene	208-24-2	5.38E-06		5.16E-06			5.0E-02	1.03E-07
3	Acetaldehyde	75-07-0	8.16E-04	7.82E-04	7.82E-04	2.20E-06	1.72E-09	9.0E-03	8.69E-05
4	Acrolein	107-02-8	9.84E-05		9.44E-05			2.0E-05	4.72E-03
5	Anthracene	120-12-7	1.99E-06		1.91E-06			3.0E-01	6.36E-09
6	Benz[a]anthracene	56-55-3	1.79E-06	1.71E-06	1.71E-06	1.10E-04	1.89E-10	5.0E-02	3.43E-08
7	Benzene	71-43-2	9.93E-04	9.52E-04	9.52E-04	7.80E-06	7.424E-09	3.0E-02	3.17E-05
8	Benzo(a)pyrene	50-32-8	2.00E-07	1.92E-07	1.92E-07	1.10E-03	2.11E-10	5.0E-02	3.84E-09
9	Benzo[k]fluoranthene	207-08-9	1.65E-07	1.58E-07	1.58E-07	1.10E-04	1.74E-11	5.0E-02	3.16E-09
10	1,3-Butadiene	106-99-0	4.16E-05	7.68E-05	3.99E-05	3.00E-05	2.31E-09	2.0E-03	1.99E-05
11	Chrysene	218-01-9	3.76E-07	6.94E-07	3.60E-07	1.10E-05	7.63E-12	5.0E-02	7.20E-09
12	Dibenzo[a,h]anthracene	53-70-3	6.20E-07	1.15E-06	5.95E-07	1.20E-03	1.37E-09	5.0E-02	1.19E-08
13	Formaldehyde	50-00-0	1.26E-03	1.20E-03	1.20E-03	1.30E-05	1.56E-08	9.8E-03	1.23E-04
14	Ideno[1,2,3-cd]pyrene	193-39-5	3.99E-07	7.37E-07	3.83E-07	1.10E-04	8.11E-11	5.0E-02	7.65E-09
15	Naphthalene	91-20-3	9.02E-05	1.67E-04	8.65E-05	3.40E-05	5.67E-09	3.0E-03	2.88E-05
16	Toluene	108-88-3	4.35E-04	4.17E-04	4.17E-04			5.0E+00	8.34E-08
17	Xylenes	1330-20-7	3.03E-04	2.91E-04	2.91E-04			1.0E-01	2.91E-06
	Combined Cancer Risk						3.5E-08		
	EPA Cancer Risk Threshold						1E-06		
	Total Non- Cancer Hazard Index (HI)								5.0E-03
	Hazard Index Threshold								1

Cancer Risk (dCR) and Non-Cancer Hazard Quotient (HQ) Calculations

All calculations of inhalation cancer risk and hazard quotients are based on the EPA's Human Health Risk Assessment Protocol (HHRAP) methodology and equations.

C_a annual concentration estimated by the AERMOD model, ug/m3

EC exposure concentration, ug/m3 (HHRAP, Appendix B, Table C-2-1)

EC = C_a x EF x ED/AT x 365 days/year or EC = C_a x F_c, where

EF exposure frequency, days/year, assumed by EPA to be equal 350 days/year

ED exposure duration assumed to be 70 years

AT averaging time, years; AT is assumed by EPA to be equal 70 years

dCR individual lifetime cancer risk through direct inhalation of carcinogen

	dCR = EC x URF (HHRAP, Appendix C, Table C-2-1), where
URF	Inhalation unit risk factor, $(ug/m3)^{-1}$. Source: EPA Integrated Risk Information System (IRIS)
	Non-Cancer Hazard Quotients
EC	exposure concentration, ug/m3 (the same equation for EC, as above, except that ED=AT=30 years)
RfC	reference concentration, mg/m^3. Source: EPA Integrated Risk Information System (IRIS); EPA Prioritized Chronic Dose-Response Values
HQ	hazard quotient for direct inhalation of non-carcinogen
	HQ = EC x 0.001/RfC (HHRAP, Appendix C, Table C-2-2)
0.001	units conversion factor, mg/ug

Table 18: Acute Hazard Index Results (AI) for Site 2

No.	Contaminant	CAS No.	1-hr Conc. (C_{acute}) (ug/m^3)	Acute Exposure Criteria (AIEC) (mg/m^3)	Acute Quotients (AHQ)
1	Acenaphthene	83-32-9	9.20E-06	1.2E+00	7.7E-09
2	Acetaldehyde	75-07-0	4.97E-03	8.1E+01	6.1E-08
3	Acrolein	107-02-8	6.00E-04	1.9E-04	3.2E-03
4	Anthracene	120-12-7	1.21E-05	6.0E+00	2.0E-09
5	Benz[a]anthracene	56-55-3	1.09E-05	3.0E-01	3.6E-08
6	Benzene	71-43-2	6.05E-03	1.3E+00	4.7E-06
7	Benzo[a]pyrene	50-32-8	1.22E-06	2.3E-06	5.3E-04
8	Benzo(g,h,i) perylene	191-24-2	3.17E-06	6.0E-06	5.3E-04
9	Benzo[k]fluoranthene	207-08-9	1.00E-06	6.0E-01	1.7E-09
10	1,3-Butadiene	106-99-0	2.53E-04	1.5E+03	1.7E-10
11	Chrysene	218-01-9	2.29E-06	6.0E-01	3.8E-09
12	Dibenzo[a,h]anthracene	53-70-3	3.78E-06	3.0E+01	1.3E-10
13	Fluoranthene	206-44-0	4.93E-05	1.5E-02	3.3E-06
14	Fluorene	86-73-7	1.89E-04	2.5E+01	7.6E-09
15	Formaldehyde	50-00-0	7.65E-03	9.4E-02	8.1E-05
16	Ideno[1,2,3-cd]pyrene	193-39-5	2.43E-06	5.0E-01	4.9E-09
17	Naphthalene	91-20-3	5.50E-04	7.50E+01	7.3E-09
18	Phenanthrene	85-01-8	1.91E-04	1.00E+00	1.9E-07
19	Propylene	115-07-1	1.67E-02	3.00E+00	5.6E-06
20	Pyrene	129-00-0	3.10E-05	1.50E+01	2.1E-09
21	Toluene	108-88-3	2.65E-03	3.70E+01	7.2E-08
22	Xylenes	1330-20-7	1.85E-03	2.20E+01	8.4E-08
Total Acute Hazard Index					4.31E-03
Hazard Index Threshold					1

Table 19: Acute Hazard Index Results (AI) for Site 4

No.	Contaminant	CAS No.	1-hr Conc. (C_{acute}) (ug/m^3)	Acute Exposure Criteria (AIEC)	Acute Quotients (AHQ)
1	Acenaphthene	83-32-9	2.58E-05	1.2E+00	2.1E-08
2	Acetaldehyde	75-07-0	1.39E-02	8.1E+01	1.7E-07
3	Acrolein	107-02-8	1.68E-03	1.9E-04	8.8E-03
4	Anthracene	120-12-7	3.39E-05	6.0E+00	5.7E-09
5	Benz[a]anthracene	56-55-3	3.05E-05	3.0E-01	1.0E-07
6	Benzene	71-43-2	1.69E-02	1.3E+00	1.3E-05
7	Benzo[a]pyrene	50-32-8	3.41E-06	2.3E-06	1.5E-03
8	Benzo(g,h,i) perylene	191-24-2	8.87E-06	6.0E-06	1.5E-03
9	Benzo[k]fluoranthene	207-08-9	2.81E-06	6.0E-01	4.7E-09
10	1,3-Butadiene	106-99-0	7.09E-04	1.5E+03	4.7E-10
11	Chrysene	218-01-9	6.41E-06	6.0E-01	1.1E-08
12	Dibenzo[a,h]anthracene	53-70-3	1.06E-05	3.0E+01	3.5E-10
13	Fluoranthene	206-44-0	1.38E-04	1.5E-02	9.2E-06
14	Fluorene	86-73-7	5.30E-04	2.5E+01	2.1E-08
15	Formaldehyde	50-00-0	2.14E-02	9.4E-02	2.3E-04
16	Ideno[1,2,3-cd]pyrene	193-39-5	6.80E-06	5.0E-01	1.4E-08
17	Naphthalene	91-20-3	1.54E-03	7.50E+01	2.1E-08
18	Phenanthrene	85-01-8	5.33E-04	1.00E+00	5.3E-07
19	Propylene	115-07-1	4.68E-02	3.00E+00	1.6E-05
20	Pyrene	129-00-0	8.67E-05	1.50E+01	5.8E-09
21	Toluene	108-88-3	7.42E-03	3.70E+01	2.0E-07
22	Xylenes	1330-20-7	5.17E-03	2.20E+01	2.4E-07
Total Acute Hazard Index					1.21E-02
Hazard Index Threshold					1

Potential Health Effects from Acute Exposure
All calculations of acute hazard quotients are based on the EPA's Human Health Risk Assessment Protocol (HHRAP) methodology and equations.

C_{acute} 1-hr concentration estimated by the AERMOD, ug/m3
C_{acute} values are based on the equation presented in HHRAP (Table B-6-1) using compound-specific emission rates
AIEC acute inhalation exposure criteria, mg/m3; EPA, Acute Dose-Response Values for Screening Risk Assessment
AHQ acute hazard quotient, unitless
AHQ = C_{acute} x 0.001/AIEC (HHRAP, Appendix C, Table C-4-1)
0.001 units conversion factor, mg/ug

2.3.3 Results of the Off-Site Mobile Source Analysis

Potential air quality impacts associated with the operation of construction-phase vehicles (including trucks used for the transportation of rock and debris removal, transport of construction materials and cement, and construction workers' vehicles) on the roadway network were also estimated. The intersections of Baltimore Street/Martin Luther King, Jr. Boulevard and Eastern Avenue/Patterson Park Avenue were selected for analysis because they are predicted to experience poor levels of service during construction, are part of the proposed truck hauling routes, and have sensitive receptors (residences and a park) nearby. As shown in **Table 20** and **Table 21**, no violations of the NAAQS are predicted to occur.

Table 20: CO Microscale 1-Hour Results (ppm)

Intersection	No-Build (2016)		Construction (2016)	
	AM	PM	AM	PM
Baltimore Street & MLK Blvd	5.0	4.8	4.9	5.3
Eastern Ave and Patterson Park Ave	3.3	3.3	3.3	3.5

Notes: Concentrations include one-hour CO background = 2.3 ppm. One-hour CO Standard = 35 ppm
ppm = parts per million

Table 21: CO Microscale 8-Hour Results (ppm)

Intersection	No-Build (2016)	Construction (2016)
Baltimore Street & MLK Blvd	3.5	3.7
Eastern Ave and Patterson Park Ave	2.3	2.4

Notes: Concentrations include eight-hour CO background = 1.6 ppm. Eight-hour CO Standard = 9 ppm
ppm = parts per million

3. Conformity Determination

The Transportation Conformity Rule, which was promulgated by USEPA under the CAAA, provides criteria and procedures for determining conformity of transportation plans, programs and projects funded or approved under Title 23 U.S.C. or the Federal Transit Act to SIPS. This project is located in Baltimore City and Baltimore County. The attainment status of this area is a follows:

- Baltimore City is classified as a maintenance area for CO;
- Baltimore County is classified as attainment for CO; and
- Both the City and County are classified as nonattainment areas for $PM_{2.5}$ and as serious nonattainment areas for O_3.

As such, a conformity determination with the following requirements is required:

1. The Project must originate from a conforming transportation plan and program; and
2. The project must eliminate or reduce the severity and number of violations of the NAAQS.

Transportation projects that originate from a conforming TIP are considered to conform to the rule. The Red Line Project is listed as Project 40-0602-69 on the 2012-2015 TIP, which was approved by the Baltimore Regional Transportation Board on November 14, 2011. The result of the CO analysis documents that the CO levels will be below the one-hour (35ppm) and the eight-hour (9 ppm) CO NAAQS, and the result of the regional analysis is that emissions of ozone precursors (nitrogen oxides and hydrocarbons) would decrease with the project. In addition, the ICG classified this project as not a project of air quality concern for localized $PM_{2.5}$ impacts, as documented in their letter to MTA on November 26, 2012. As such the project is not expected to create or worsen $PM_{2.5}$ violations of the NAAQS. Furthermore, MSAT emissions will likely be lower than present levels in the design year as a result of EPA's national control programs. Therefore, this project will comply with the conformity requirements established by the Clean Air Act Amendments of 1990.

4. Conclusions

The purpose and need of the project focuses on meeting the current and future regional transportation needs of the area. The project is not predicted to cause or exacerbate a violation of the NAAQS. The project is not expected to measurably increase regional emission burdens or MSAT levels. The project is also not expected to cause a violation of the $PM_{2.5}$ standard. The project conforms with the requirements established by the Clean Air Act Amendments of 1990.

Activities at the Operation and Maintenance Facility would not cause or exacerbate a violation of the NAAQS. Furthermore, potential cancer, chronic noncancer, and acute health risks associated with OMF spray booth operations would be below the applicable health risk guideline values, and therefore are not considered to be significant.

Construction-related effects of the project would be limited to short-term increased fugitive dust and mobile-source emissions during construction. Construction operations would not, however, cause or exacerbate a violation of the NAAQS. Furthermore, the potential cancer, chronic non-cancer, and acute health risks associated with the project's construction activities are not considered to be significant. State and local regulations regarding dust control and other air quality emission reduction controls should be followed during construction.

5. References

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Appendix A
Monitored Data

Electronic files located on CD included with this technical report.

Appendix B
Mobile 6 Files

Electronic files located on CD included with this technical report.

Appendix C
CAL3QHC Files

Electronic files located on CD included with this technical report.

Monitor Values Report

Geographic Area: Maryland
Pollutant: CO
Year: 2009
Exceptional Events: Included (if any)

Duration Description=1 HOUR

Duration Description	Obs	First Max	Second Max	Actual Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
1 HOUR	7824	7.6	5.8	0	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
1 HOUR	7967	0.3	0.3	0	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
1 HOUR	8452	1.1	1.1	0	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
1 HOUR	8595	3	2.8	0	None	1	245100040	Oldtown Fire Station, 1100 Hillen Street	Baltimore	Baltimore (City)	MD	03

Get detailed information about this report, including column descriptions, at http://www.epa.gov/airquality/airdata/ad_about_reports.html#mon

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: CO
Year: 2009
Exceptional Events: Included (if any)

Duration Description=8-HR RUN AVG END HOUR

Duration Description	Obs	First Max	Second Max	Actual Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8-HR RUN AVG END HOUR	7816	2.9	1.9	0	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
8-HR RUN AVG END HOUR	8028	0.4	0.3	0	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
8-HR RUN AVG END HOUR	8539	0.9	0.9	0	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
8-HR RUN AVG END HOUR	8599	2.1	1.8	0	None	1	245100040	Oldtown Fire Station, 1100 Hillen Street	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: CO
Year: 2010
Exceptional Events: Included (if any)

Duration Description=1 HOUR

Duration Description	Obs	First Max	Second Max	Actual Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
1 HOUR	8096	3	2.7	0	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
1 HOUR	4500	0.4	0.4	0	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
1 HOUR	8107	1.5	1.3	0	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
1 HOUR	7781	2.1	1.9	0	None	1	245100040	Oldtown Fire Station, 1100 Hillen Street	Baltimore	Baltimore (City)	MD	03

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Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: CO
Year: 2010
Exceptional Events: Included (if any)

Duration Description=8-HR RUN AVG END HOUR

Duration Description	Obs	First Max	Second Max	Actual Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8-HR RUN AVG END HOUR	8107	2.2	1.9	0	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
8-HR RUN AVG END HOUR	4564	0.4	0.4	0	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
8-HR RUN AVG END HOUR	8103	1	1	0	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
8-HR RUN AVG END HOUR	7818	1.5	1.4	0	None	1	245100040	Oldtown Fire Station, 1100 Hillen Street	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: CO
Year: 2011
Exceptional Events: Included (if any)

Duration Description=1 HOUR

Duration Description	Obs	First Max	Second Max	Actual Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
1 HOUR	8230	2.3	2.3	0	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
1 HOUR	8343	0.4	0.4	0	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
1 HOUR	8183	1.7	1.3	0	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
1 HOUR	8533	2.3	2.2	0	None	1	245100040	Oldtown Fire Station, 1100 Hillen Street	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: CO
Year: 2011
Exceptional Events: Included (if any)

Duration Description=8-HR RUN AVG END HOUR

Duration Description	Obs	First Max	Second Max	Actual Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8-HR RUN AVG END HOUR	8224	1.7	1.6	0	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
8-HR RUN AVG END HOUR	8430	0.4	0.3	0	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
8-HR RUN AVG END HOUR	8145	1.1	0.8	0	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
8-HR RUN AVG END HOUR	8548	1.8	1.5	0	None	1	245100040	Oldtown Fire Station, 1100 Hillen Street	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: NO2
Year: 2009
Exceptional Events: Included (if any)

Duration Description=1 HOUR

Duration Description	Obs	First Max	Second Max	98th Percentile	Actual Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
1 HOUR	7929	60	55	50	0	None	2	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
1 HOUR	8479	72	72	59	0	None	1	245100040	Oldtown Fire Station, 1100 Hillen Street	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: NO2
Year: 2010
Exceptional Events: Included (if any)

Duration Description=1 HOUR

Duration Description	Obs	First Max	Second Max	98th Percentile	Actual Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
1 HOUR	8194	65	58	54	0	None	2	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
1 HOUR	8085	72	69	61	0	None	1	245100040	Oldtown Fire Station, 1100 Hillen Street	Baltimore	Baltimore (City)	MD	03

Get detailed information about this report, including column descriptions, at http://www.epa.gov/airquality/airdata/ad_about_reports.html#mon

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: NO2
Year: 2011
Exceptional Events: Included (if any)

Duration Description=1 HOUR

Duration Description	Obs	First Max	Second Max	98th Percentile	Actual Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
1 HOUR	8201	55	51	47	0	None	2	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
1 HOUR	7956	58	57	54	0	None	1	245100040	Oldtown Fire Station, 1100 Hillen Street	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: Ozone
Year: 2009
Exceptional Events: Included (if any)

Duration Description=1 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	Actual Exc	Est Exc	Required Days	Valid Days	Percent Days	Missing Days	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
1 HOUR	5026	0.09	0.089	0.083	0.08	0	0.00	214	207	97	3	None	1	240030014	Davidsonville Recreation Center, 3801 Queen Anne Bridge Road	Not in a city	Anne Arundel	MD	03
1 HOUR	5117	0.09	0.085	0.084	0.083	0	0.00	214	214	100	0	None	1	240051007	Padonia Elementary School, 9834 Greenside Drive	Cockeysville	Baltimore	MD	03
1 HOUR	8431	0.104	0.099	0.09	0.085	0	0.00	214	200	93	3	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
1 HOUR	4946	0.095	0.079	0.078	0.076	0	0.00	214	205	96	1	None	1	240090011	350 Stafford Road	Not in a city	Calvert	MD	03
1 HOUR	5097	0.088	0.083	0.076	0.075	0	0.00	214	212	99	2	None	1	240130001	1300 W. Old Liberty Road	Not in a city	Carroll	MD	03
1 HOUR	4955	0.097	0.095	0.093	0.085	0	0.00	214	205	96	5	None	1	240150003	4600 Telegraph Road	Not in a city	Cecil	MD	03
1 HOUR	5111	0.086	0.078	0.078	0.073	0	0.00	214	214	100	0	None	1	240170010	Oaks Road	Hughesville	Charles	MD	03
1 HOUR	5056	0.083	0.082	0.081	0.077	0	0.00	214	208	97	3	None	1	240210037	Frederick County Airport ,180 E Airport Drive	Frederick	Frederick	MD	03
1 HOUR	8653	0.076	0.073	0.073	0.072	0	0.00	214	212	99	2	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
1 HOUR	5015	0.133	0.123	0.119	0.098	1	1.00	214	208	97	3	None	1	240251001	Edgewood Chemical Biological Center (Apg), Waehli Road	Edgewood	Harford	MD	03
1 HOUR	5102	0.112	0.091	0.09	0.086	0	0.00	214	213	100	1	None	1	240259001	3560 Aldino Road	Not in a city	Harford	MD	03
1 HOUR	5008	0.083	0.081	0.078	0.076	0	0.00	214	208	97	2	None	1	240290002	Millington Wildlife Management Area, Massey - Maryland Line Road (Route 330)	Millington	Kent	MD	03

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Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: Ozone
Year: 2009
Exceptional Events: Included (if any)

Duration Description=1 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	Actual Exc	Est Exc	Required Days	Valid Days	Percent Days	Missing Days	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
1 HOUR	5057	0.087	0.084	0.084	0.08	0	0.00	214	212	99	2	None	1	240313001	Lathrop E. Smith Environmental Education Center, 5110 Meadowside Lane	Rockville	Montgomery	MD	03
1 HOUR	8150	0.091	0.091	0.084	0.08	0	0.00	214	191	89	2	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
1 HOUR	5121	0.089	0.088	0.078	0.077	0	0.00	214	214	100	0	None	1	240338003	Pg County Equestrian Center, 14900 Pennsylvania Ave.	Greater Upper Marlboro	Prince George's	MD	03
1 HOUR	5114	0.074	0.074	0.074	0.072	0	0.00	214	212	99	2	None	1	240430009	18530 Roxbury Road	Hagerstown	Washington	MD	03
1 HOUR	3704	0.072	0.071	0.069	0.069	0	0.00	214	154	72	0	None	1	240471001	Assateague Island National Seashore	Not in a city	Worcester	MD	03
1 HOUR	4761	0.089	0.082	0.08	0.079	0	0.00	214	198	93	0	None	1	245100054	Furley E.S. Recreational Center, 4633 Furley Avenue.	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: Ozone
Year: 2009
Exceptional Events: Included (if any)

Duration Description=8-HR RUN AVG BEGIN HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	Actual Exc	Est Exc	Required Days	Valid Days	Percent Days	Missing Days	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8-HR RUN AVG BEGIN HOUR	5013	0.075	0.071	0.071	0.07	0	0.00	214	204	95	0	None	1	240030014	Davidsonville Recreation Center, 3801 Queen Anne Bridge Road	Not in a city	Anne Arundel	MD	03
8-HR RUN AVG BEGIN HOUR	5121	0.076	0.074	0.07	0.068	1	1.00	214	214	100	0	None	1	240051007	Padonia Elementary School, 9834 Greenside Drive	Cockeysville	Baltimore	MD	03
8-HR RUN AVG BEGIN HOUR	8441	0.086	0.074	0.071	0.071	1	1.10	214	196	92	0	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
8-HR RUN AVG BEGIN HOUR	4921	0.076	0.072	0.069	0.068	1	1.10	214	201	94	0	None	1	240090011	350 Stafford Road	Not in a city	Calvert	MD	03
8-HR RUN AVG BEGIN HOUR	5098	0.074	0.07	0.07	0.068	0	0.00	214	212	99	0	None	1	240130001	1300 W. Old Liberty Road	Not in a city	Carroll	MD	03
8-HR RUN AVG BEGIN HOUR	4949	0.083	0.077	0.076	0.072	3	3.20	214	201	94	0	None	1	240150003	4600 Telegraph Road	Not in a city	Cecil	MD	03
8-HR RUN AVG BEGIN HOUR	5121	0.072	0.071	0.068	0.066	0	0.00	214	214	100	0	None	1	240170010	Oaks Road	Hughesville	Charles	MD	03
8-HR RUN AVG BEGIN HOUR	5049	0.073	0.072	0.072	0.069	0	0.00	214	208	97	0	None	1	240210037	Frederick County Airport ,180 E Airport Drive	Frederick	Frederick	MD	03

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Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: Ozone
Year: 2009
Exceptional Events: Included (if any)

Duration Description=8-HR RUN AVG BEGIN HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	Actual Exc	Est Exc	Required Days	Valid Days	Percent Days	Missing Days	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8-HR RUN AVG BEGIN HOUR	8676	0.071	0.069	0.065	0.065	0	0.00	214	212	99	0	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
8-HR RUN AVG BEGIN HOUR	5012	0.109	0.091	0.085	0.083	9	9.40	214	205	96	0	None	1	240251001	Edgewood Chemical Biological Center (Apg), Waehli Road	Edgewood	Harford	MD	03
8-HR RUN AVG BEGIN HOUR	5102	0.081	0.079	0.073	0.069	2	2.00	214	212	99	0	None	1	240259001	3560 Aldino Road	Not in a city	Harford	MD	03
8-HR RUN AVG BEGIN HOUR	5008	0.075	0.071	0.066	0.066	0	0.00	214	207	97	0	None	1	240290002	Millington Wildlife Management Area, Massey - Maryland Line Road (Route 330)	Millington	Kent	MD	03
8-HR RUN AVG BEGIN HOUR	5044	0.074	0.072	0.071	0.07	0	0.00	214	209	98	0	None	1	240313001	Lathrop E. Smith Environmental Education Center, 5110 Meadowside Lane	Rockville	Montgomery	MD	03
8-HR RUN AVG BEGIN HOUR	8143	0.076	0.073	0.071	0.07	1	1.10	214	189	88	0	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
8-HR RUN AVG BEGIN HOUR	5121	0.071	0.068	0.068	0.067	0	0.00	214	214	100	0	None	1	240338003	Pg County Equestrian Center, 14900 Pennsylvania Ave.	Greater Upper Marlboro	Prince George's	MD	03

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Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: Ozone
Year: 2009
Exceptional Events: Included (if any)

Duration Description=8-HR RUN AVG BEGIN HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	Actual Exc	Est Exc	Required Days	Valid Days	Percent Days	Missing Days	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8-HR RUN AVG BEGIN HOUR	5106	0.07	0.069	0.066	0.065	0	0.00	214	211	99	0	None	1	240430009	18530 Roxbury Road	Hagerstown	Washington	MD	03
8-HR RUN AVG BEGIN HOUR	3703	0.062	0.062	0.062	0.061	0	0.00	214	154	72	0	None	1	240471001	Assateague Island National Seashore	Not in a city	Worcester	MD	03
8-HR RUN AVG BEGIN HOUR	4766	0.072	0.07	0.067	0.066	0	0.00	214	198	93	0	None	1	245100054	Furley E.S. Recreational Center, 4633 Furley Avenue.	Baltimore	Baltimore (City)	MD	03

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Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: Ozone
Year: 2010
Exceptional Events: Included (if any)

Duration Description=1 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	Actual Exc	Est Exc	Required Days	Valid Days	Percent Days	Missing Days	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
1 HOUR	4980	0.116	0.111	0.109	0.106	0	0.00	214	207	97	1	None	1	240030014	Davidsonville Recreation Center, 3801 Queen Anne Bridge Road	Not in a city	Anne Arundel	MD	03
1 HOUR	5089	0.11	0.101	0.099	0.096	0	0.00	214	212	99	2	None	1	240051007	Padonia Elementary School, 9834 Greenside Drive	Cockeysville	Baltimore	MD	03
1 HOUR	8306	0.128	0.112	0.103	0.1	1	1.00	214	203	95	3	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
1 HOUR	5019	0.114	0.107	0.099	0.096	0	0.00	214	210	98	1	None	1	240090011	350 Stafford Road	Not in a city	Calvert	MD	03
1 HOUR	5088	0.112	0.094	0.093	0.091	0	0.00	214	211	99	1	None	1	240130001	1300 W. Old Liberty Road	Not in a city	Carroll	MD	03
1 HOUR	4915	0.112	0.106	0.097	0.095	0	0.00	214	200	93	4	None	1	240150003	4600 Telegraph Road	Not in a city	Cecil	MD	03
1 HOUR	5111	0.104	0.103	0.102	0.091	0	0.00	214	213	100	1	None	1	240170010	Oaks Road	Hughesville	Charles	MD	03
1 HOUR	5117	0.106	0.099	0.097	0.096	0	0.00	214	214	100	0	None	1	240210037	Frederick County Airport ,180 E Airport Drive	Frederick	Frederick	MD	03
1 HOUR	8663	0.097	0.09	0.087	0.084	0	0.00	214	213	100	1	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
1 HOUR	4777	0.129	0.119	0.113	0.112	1	1.10	214	199	93	1	None	1	240251001	Edgewood Chemical Biological Center (Apg), Waehli Road	Edgewood	Harford	MD	03
1 HOUR	5089	0.103	0.103	0.096	0.096	0	0.00	214	210	98	2	None	1	240259001	3560 Aldino Road	Not in a city	Harford	MD	03
1 HOUR	5099	0.098	0.096	0.095	0.089	0	0.00	214	213	100	1	None	1	240290002	Millington Wildlife Management Area, Massey - Maryland Line Road (Route 330)	Millington	Kent	MD	03

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Monitor Values Report

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Pollutant: Ozone
Year: 2010
Exceptional Events: Included (if any)

Duration Description=1 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	Actual Exc	Est Exc	Required Days	Valid Days	Percent Days	Missing Days	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
1 HOUR	4782	0.102	0.102	0.098	0.094	0	0.00	214	200	93	0	None	1	240313001	Lathrop E. Smith Environmental Education Center, 5110 Meadowside Lane	Rockville	Montgomery	MD	03
1 HOUR	8373	0.122	0.102	0.101	0.1	0	0.00	214	205	96	2	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
1 HOUR	5076	0.108	0.108	0.105	0.103	0	0.00	214	210	98	4	None	1	240338003	Pg County Equestrian Center, 14900 Pennsylvania Ave.	Greater Upper Marlboro	Prince George's	MD	03
1 HOUR	5117	0.101	0.091	0.091	0.088	0	0.00	214	213	100	1	None	1	240430009	18530 Roxbury Road	Hagerstown	Washington	MD	03
1 HOUR	4175	0.117	0.091	0.086	0.084	0	0.00	214	173	81	0	None	1	240471001	Assateague Island National Seashore	Not in a city	Worcester	MD	03
1 HOUR	4527	0.118	0.101	0.094	0.092	0	0.00	214	187	87	4	None	1	245100054	Furley E.S. Recreational Center, 4633 Furley Avenue.	Baltimore	Baltimore (City)	MD	03

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Monitor Values Report

Geographic Area: Maryland
Pollutant: Ozone
Year: 2010
Exceptional Events: Included (if any)

Duration Description=8-HR RUN AVG BEGIN HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	Actual Exc	Est Exc	Required Days	Valid Days	Percent Days	Missing Days	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8-HR RUN AVG BEGIN HOUR	4972	0.099	0.099	0.096	0.087	12	12.30	214	208	97	0	None	1	240030014	Davidsonville Recreation Center, 3801 Queen Anne Bridge Road	Not in a city	Anne Arundel	MD	03
8-HR RUN AVG BEGIN HOUR	5082	0.092	0.086	0.085	0.078	6	6.10	214	211	99	0	None	1	240051007	Padonia Elementary School, 9834 Greenside Drive	Cockeysville	Baltimore	MD	03
8-HR RUN AVG BEGIN HOUR	8301	0.115	0.09	0.087	0.084	15	16.10	214	200	93	0	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
8-HR RUN AVG BEGIN HOUR	5010	0.098	0.097	0.09	0.087	8	8.20	214	208	97	0	None	1	240090011	350 Stafford Road	Not in a city	Calvert	MD	03
8-HR RUN AVG BEGIN HOUR	5082	0.085	0.084	0.083	0.083	6	6.10	214	210	98	0	None	1	240130001	1300 W. Old Liberty Road	Not in a city	Carroll	MD	03
8-HR RUN AVG BEGIN HOUR	4898	0.09	0.088	0.085	0.082	11	11.80	214	199	93	0	None	1	240150003	4600 Telegraph Road	Not in a city	Cecil	MD	03
8-HR RUN AVG BEGIN HOUR	5112	0.093	0.087	0.087	0.082	7	7.00	214	213	100	0	None	1	240170010	Oaks Road	Hughesville	Charles	MD	03
8-HR RUN AVG BEGIN HOUR	5114	0.093	0.085	0.084	0.083	7	7.00	214	213	100	0	None	1	240210037	Frederick County Airport ,180 E Airport Drive	Frederick	Frederick	MD	03

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Monitor Values Report

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Pollutant: Ozone
Year: 2010
Exceptional Events: Included (if any)

Duration Description=8-HR RUN AVG BEGIN HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	Actual Exc	Est Exc	Required Days	Valid Days	Percent Days	Missing Days	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8-HR RUN AVG BEGIN HOUR	8682	0.085	0.083	0.082	0.078	5	5.00	214	213	100	0	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
8-HR RUN AVG BEGIN HOUR	4764	0.11	0.101	0.097	0.096	27	29.20	214	198	93	0	None	1	240251001	Edgewood Chemical Biological Center (Apg), Waehli Road	Edgewood	Harford	MD	03
8-HR RUN AVG BEGIN HOUR	5084	0.086	0.086	0.081	0.08	8	8.20	214	209	98	0	None	1	240259001	3560 Aldino Road	Not in a city	Harford	MD	03
8-HR RUN AVG BEGIN HOUR	5106	0.093	0.083	0.076	0.074	3	3.00	214	213	100	0	None	1	240290002	Millington Wildlife Management Area, Massey - Maryland Line Road (Route 330)	Millington	Kent	MD	03
8-HR RUN AVG BEGIN HOUR	4773	0.081	0.08	0.079	0.077	5	5.40	214	197	92	0	None	1	240313001	Lathrop E. Smith Environmental Education Center, 5110 Meadowside Lane	Rockville	Montgomery	MD	03
8-HR RUN AVG BEGIN HOUR	8366	0.094	0.091	0.087	0.085	16	16.80	214	204	95	0	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
8-HR RUN AVG BEGIN HOUR	5072	0.09	0.09	0.088	0.085	9	9.30	214	208	97	0	None	1	240338003	Pg County Equestrian Center, 14900 Pennsylvania Ave.	Greater Upper Marlboro	Prince George's	MD	03

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Duration Description=8-HR RUN AVG BEGIN HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	Actual Exc	Est Exc	Required Days	Valid Days	Percent Days	Missing Days	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8-HR RUN AVG BEGIN HOUR	5120	0.09	0.082	0.079	0.078	5	5.00	214	213	100	0	None	1	240430009	18530 Roxbury Road	Hagerstown	Washington	MD	03
8-HR RUN AVG BEGIN HOUR	4163	0.1	0.084	0.076	0.075	3	3.80	214	169	79	0	None	1	240471001	Assateague Island National Seashore	Not in a city	Worcester	MD	03
8-HR RUN AVG BEGIN HOUR	4514	0.1	0.077	0.075	0.074	2	2.30	214	184	86	0	None	1	245100054	Furley E.S. Recreational Center, 4633 Furley Avenue.	Baltimore	Baltimore (City)	MD	03

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Monitor Values Report

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Pollutant: Ozone
Year: 2011
Exceptional Events: Included (if any)

Duration Description=1 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	Actual Exc	Est Exc	Required Days	Valid Days	Percent Days	Missing Days	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
1 HOUR	5002	0.111	0.11	0.102	0.098	0	0.00	214	208	97	1	None	1	240030014	Davidsonville Recreation Center, 3801 Queen Anne Bridge Road	Not in a city	Anne Arundel	MD	03
1 HOUR	4713	0.113	0.103	0.103	0.094	0	0.00	214	195	91	2	None	1	240051007	Padonia Elementary School, 9834 Greenside Drive	Cockeysville	Baltimore	MD	03
1 HOUR	8407	0.112	0.109	0.106	0.103	0	0.00	214	203	95	6	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
1 HOUR	5031	0.109	0.107	0.107	0.095	0	0.00	214	210	98	2	None	1	240090011	350 Stafford Road	Not in a city	Calvert	MD	03
1 HOUR	5034	0.099	0.089	0.085	0.085	0	0.00	214	210	98	2	None	1	240130001	1300 W. Old Liberty Road	Not in a city	Carroll	MD	03
1 HOUR	5084	0.114	0.112	0.111	0.105	0	0.00	214	210	98	4	None	1	240150003	4600 Telegraph Road	Not in a city	Cecil	MD	03
1 HOUR	4964	0.108	0.098	0.096	0.095	0	0.00	214	206	96	0	None	1	240170010	Oaks Road	Hughesville	Charles	MD	03
1 HOUR	7642	0.1	0.094	0.092	0.091	0	0.00	214	211	99	3	None	1	240199991	Blackwater National Wildlife Refuge, Cambridge, Md 21613	Not in a city	Dorchester	MD	03
1 HOUR	5117	0.09	0.089	0.084	0.083	0	0.00	214	214	100	0	None	1	240210037	Frederick County Airport ,180 E Airport Drive	Frederick	Frederick	MD	03
1 HOUR	8396	0.091	0.081	0.079	0.078	0	0.00	214	200	93	8	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
1 HOUR	5023	0.131	0.121	0.118	0.118	1	1.00	214	209	98	3	None	1	240251001	Edgewood Chemical Biological Center (Apg), Waehli Road	Edgewood	Harford	MD	03
1 HOUR	4845	0.114	0.114	0.113	0.108	0	0.00	214	201	94	2	None	1	240259001	3560 Aldino Road	Not in a city	Harford	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: Ozone
Year: 2011
Exceptional Events: Included (if any)

Duration Description=1 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	Actual Exc	Est Exc	Required Days	Valid Days	Percent Days	Missing Days	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
1 HOUR	5043	0.113	0.103	0.099	0.099	0	0.00	214	208	97	4	None	1	240290002	Millington Wildlife Management Area, Massey - Maryland Line Road (Route 330)	Millington	Kent	MD	03
1 HOUR	5084	0.097	0.097	0.096	0.092	0	0.00	214	211	99	2	None	1	240313001	Lathrop E. Smith Environmental Education Center, 5110 Meadowside Lane	Rockville	Montgomery	MD	03
1 HOUR	7989	0.114	0.109	0.093	0.093	0	0.00	214	190	89	3	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
1 HOUR	5107	0.11	0.11	0.106	0.105	0	0.00	214	213	100	1	None	1	240338003	Pg County Equestrian Center, 14900 Pennsylvania Ave.	Greater Upper Marlboro	Prince George's	MD	03
1 HOUR	5840	0.113	0.102	0.097	0.095	0	0.00	214	185	86	3	None	1	240339991	Powder Mill Rd, Laurel, Md 20708	Not in a city	Prince George's	MD	03
1 HOUR	5119	0.099	0.085	0.084	0.083	0	0.00	214	214	100	0	None	1	240430009	18530 Roxbury Road	Hagerstown	Washington	MD	03
1 HOUR	4883	0.107	0.106	0.094	0.092	0	0.00	214	203	95	1	None	1	245100054	Furley E.S. Recreational Center, 4633 Furley Avenue.	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: Ozone
Year: 2011
Exceptional Events: Included (if any)

Duration Description=8-HR RUN AVG BEGIN HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	Actual Exc	Est Exc	Required Days	Valid Days	Percent Days	Missing Days	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8-HR RUN AVG BEGIN HOUR	4990	0.094	0.092	0.088	0.087	11	11.40	214	206	96	0	None	1	240030014	Davidsonville Recreation Center, 3801 Queen Anne Bridge Road	Not in a city	Anne Arundel	MD	03
8-HR RUN AVG BEGIN HOUR	4703	0.092	0.088	0.086	0.086	9	10.00	214	193	90	0	None	1	240051007	Padonia Elementary School, 9834 Greenside Drive	Cockeysville	Baltimore	MD	03
8-HR RUN AVG BEGIN HOUR	8386	0.101	0.091	0.087	0.085	12	12.50	214	205	96	0	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
8-HR RUN AVG BEGIN HOUR	5023	0.093	0.092	0.087	0.082	6	6.20	214	206	96	0	None	1	240090011	350 Stafford Road	Not in a city	Calvert	MD	03
8-HR RUN AVG BEGIN HOUR	5024	0.085	0.08	0.079	0.079	5	5.10	214	208	97	0	None	1	240130001	1300 W. Old Liberty Road	Not in a city	Carroll	MD	03
8-HR RUN AVG BEGIN HOUR	5080	0.096	0.094	0.092	0.089	8	8.20	214	210	98	0	None	1	240150003	4600 Telegraph Road	Not in a city	Cecil	MD	03
8-HR RUN AVG BEGIN HOUR	4957	0.098	0.087	0.086	0.085	7	7.30	214	205	96	0	None	1	240170010	Oaks Road	Hughesville	Charles	MD	03
8-HR RUN AVG BEGIN HOUR	7659	0.088	0.084	0.082	0.082	9	9.20	214	210	98	0	None	1	240199991	Blackwater National Wildlife Refuge, Cambridge, Md 21613	Not in a city	Dorchester	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: Ozone
Year: 2011
Exceptional Events: Included (if any)

Duration Description=8-HR RUN AVG BEGIN HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	Actual Exc	Est Exc	Required Days	Valid Days	Percent Days	Missing Days	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8-HR RUN AVG BEGIN HOUR	5121	0.085	0.082	0.078	0.077	6	6.00	214	214	100	0	None	1	240210037	Frederick County Airport ,180 E Airport Drive	Frederick	Frederick	MD	03
8-HR RUN AVG BEGIN HOUR	8419	0.076	0.073	0.072	0.07	1	1.10	214	196	92	0	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
8-HR RUN AVG BEGIN HOUR	5011	0.114	0.107	0.106	0.098	17	17.70	214	206	96	0	None	1	240251001	Edgewood Chemical Biological Center (Apg), Waehli Road	Edgewood	Harford	MD	03
8-HR RUN AVG BEGIN HOUR	4835	0.098	0.09	0.088	0.085	13	14.00	214	199	93	0	None	1	240259001	3560 Aldino Road	Not in a city	Harford	MD	03
8-HR RUN AVG BEGIN HOUR	5020	0.1	0.092	0.091	0.084	11	11.40	214	206	96	0	None	1	240290002	Millington Wildlife Management Area, Massey - Maryland Line Road (Route 330)	Millington	Kent	MD	03
8-HR RUN AVG BEGIN HOUR	5079	0.088	0.085	0.082	0.081	5	5.10	214	210	98	0	None	1	240313001	Lathrop E. Smith Environmental Education Center, 5110 Meadowside Lane	Rockville	Montgomery	MD	03
8-HR RUN AVG BEGIN HOUR	7946	0.094	0.091	0.088	0.083	7	8.20	214	182	85	0	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: Ozone
Year: 2011
Exceptional Events: Included (if any)

Duration Description=8-HR RUN AVG BEGIN HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	Actual Exc	Est Exc	Required Days	Valid Days	Percent Days	Missing Days	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8-HR RUN AVG BEGIN HOUR	5087	0.095	0.092	0.09	0.086	14	14.10	214	213	100	0	None	1	240338003	Pg County Equestrian Center, 14900 Pennsylvania Ave.	Greater Upper Marlboro	Prince George's	MD	03
8-HR RUN AVG BEGIN HOUR	5845	0.092	0.086	0.085	0.084	7	8.30	214	181	85	0	None	1	240339991	Powder Mill Rd, Laurel, Md 20708	Not in a city	Prince George's	MD	03
8-HR RUN AVG BEGIN HOUR	5109	0.084	0.076	0.076	0.074	3	3.00	214	214	100	0	None	1	240430009	18530 Roxbury Road	Hagerstown	Washington	MD	03
8-HR RUN AVG BEGIN HOUR	4878	0.087	0.084	0.083	0.082	7	7.40	214	203	95	0	None	1	245100054	Furley E.S. Recreational Center, 4633 Furley Avenue.	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: PM10
Year: 2009
Exceptional Events: Included (if any)

Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Actual Exc	Est Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	57	40	36	0	0.00	None	1	240031003	Anne Arundel Co. Public Works Bldg. 7409 Baltimore Annapolis Blvd.	Glen Burnie	Anne Arundel	MD	03
24 HOUR	30	28	24	0	0.00	None	2	240031003	Anne Arundel Co. Public Works Bldg. 7409 Baltimore Annapolis Blvd.	Glen Burnie	Anne Arundel	MD	03
24 HOUR	57	43	37	0	0.00	None	1	245100008	Baltimore City Fire Dept.-Truck Company 20; 5714 Eastern Avenue , Baltimore, Maryland 21224	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: PM10
Year: 2010
Exceptional Events: Included (if any)

Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Actual Exc	Est Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	61	47	45	0	0.00	None	1	240031003	Anne Arundel Co. Public Works Bldg. 7409 Baltimore Annapolis Blvd.	Glen Burnie	Anne Arundel	MD	03
24 HOUR	54	44	36	0	0.00	None	2	240031003	Anne Arundel Co. Public Works Bldg. 7409 Baltimore Annapolis Blvd.	Glen Burnie	Anne Arundel	MD	03
24 HOUR	42	30	27	0	0.00	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
24 HOUR	9	21	17	0	0.00	None	2	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
24 HOUR	55	63	46	0	0.00	None	1	245100008	Baltimore City Fire Dept.-Truck Company 20; 5714 Eastern Avenue , Baltimore, Maryland 21224	Baltimore	Baltimore (City)	MD	03

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Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: PM10
Year: 2011
Exceptional Events: Included (if any)

Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Actual Exc	Est Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	61	34	24	0	0.00	None	1	240031003	Anne Arundel Co. Public Works Bldg. 7409 Baltimore Annapolis Blvd.	Glen Burnie	Anne Arundel	MD	03
24 HOUR	45	31	22	0	0.00	None	2	240031003	Anne Arundel Co. Public Works Bldg. 7409 Baltimore Annapolis Blvd.	Glen Burnie	Anne Arundel	MD	03
24 HOUR	119	27	25	0	0.00	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
24 HOUR	34	33	22	0	0.00	None	2	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
24 HOUR	54	39	37	0	0.00	None	1	245100008	Baltimore City Fire Dept.-Truck Company 20; 5714 Eastern Avenue , Baltimore, Maryland 21224	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: PM2.5
Year: 2009
Exceptional Events: Included (if any)

Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	330	30.8	29.7	28.4	27.5	25	11	None	1	240031003	Anne Arundel Co. Public Works Bldg. 7409 Baltimore Annapolis Blvd.	Glen Burnie	Anne Arundel	MD	03
24 HOUR	122	25.5	24	22.1	21.6	22	10.2	None	1	240051007	Padonia Elementary School, 9834 Greenside Drive	Cockeysville	Baltimore	MD	03
24 HOUR	30	25.7	23.2	18.6	18	26	11	None	2	240051007	Padonia Elementary School, 9834 Greenside Drive	Cockeysville	Baltimore	MD	03
24 HOUR	344	40.5	38	37.2	35.5	31	11	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
24 HOUR	116	35.1	27	21.9	21.8	22	9.4	None	1	240150003	4600 Telegraph Road	Not in a city	Cecil	MD	03
24 HOUR	115	33.2	23.3	21.5	20.7	22	9.6	None	1	240251001	Edgewood Chemical Biological Center (Apg), Waehli Road	Edgewood	Harford	MD	03
24 HOUR	117	29.2	22.7	21.5	20.5	22	9.4	None	1	240313001	Lathrop E. Smith Environmental Education Center, 5110 Meadowside Lane	Rockville	Montgomery	MD	03
24 HOUR	118	28.1	23.5	21.2	20.4	21	10.7	None	1	240330025	Bladensburg Volunteer Fire Department, 4213 Edmondson Road	Bladensburg	Prince George's	MD	03
24 HOUR	112	21.7	19	17.7	17.3	18	8.7	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
24 HOUR	117	27.7	20.9	18.6	16.8	19	8.9	None	1	240338003	Pg County Equestrian Center, 14900 Pennsylvania Ave.	Greater Upper Marlboro	Prince George's	MD	03
24 HOUR	32	15	14.9	14.7	14.2	15	8.8	None	2	240338003	Pg County Equestrian Center, 14900 Pennsylvania Ave.	Greater Upper Marlboro	Prince George's	MD	03
24 HOUR	122	24.6	23.5	23.2	23.2	23	9.7	None	1	240430009	18530 Roxbury Road	Hagerstown	Washington	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: PM2.5
Year: 2009
Exceptional Events: Included (if any)

Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	121	28.5	25.9	22.5	21.7	23	10.1	None	1	245100006	Northeast Police Station, 1900 Argonne Drive	Baltimore	Baltimore (City)	MD	03
24 HOUR	342	32.8	29.4	27.4	25.9	24	10.3	None	1	245100007	Northwest Police Station, 5271 Reistertown Road	Baltimore	Baltimore (City)	MD	03
24 HOUR	113	36.2	34	27.6	23.4	28	11.1	None	1	245100008	Baltimore City Fire Dept.-Truck Company 20; 5714 Eastern Avenue , Baltimore, Maryland 21224	Baltimore	Baltimore (City)	MD	03
24 HOUR	320	37.1	34	34	32.8	28	11.2	None	1	245100040	Oldtown Fire Station, 1100 Hillen Street	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: PM2.5
Year: 2009
Exceptional Events: Included (if any)

Duration Description=24-HR BLK AVG

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24-HR BLK AVG	340	37.9	37.3	31	30.2	28	10.4	None	3	240150003	4600 Telegraph Road	Not in a city	Cecil	MD	03
24-HR BLK AVG	349	31	27.9	24.8	23.9	23	10.2	None	3	240313001	Lathrop E. Smith Environmental Education Center, 5110 Meadowside Lane	Rockville	Montgomery	MD	03
24-HR BLK AVG	354	31	27.8	27	26.7	24	10.5	None	3	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
24-HR BLK AVG	359	39.7	36.8	35.7	35.5	28	12.1	None	3	245100040	Oldtown Fire Station, 1100 Hillen Street	Baltimore	Baltimore (City)	MD	03

Get detailed information about this report, including column descriptions, at http://www.epa.gov/airquality/airdata/ad_about_reports.html#mon

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: PM2.5
Year: 2010
Exceptional Events: Included (if any)

Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	352	36.1	34.7	33.4	33.1	28	11	None	1	240031003	Anne Arundel Co. Public Works Bldg. 7409 Baltimore Annapolis Blvd.	Glen Burnie	Anne Arundel	MD	03
24 HOUR	118	32	29.7	21.1	21	21	10.3	None	1	240051007	Padonia Elementary School, 9834 Greenside Drive	Cockeysville	Baltimore	MD	03
24 HOUR	30	31.5	20	19.1	17.7	32	11.5	None	2	240051007	Padonia Elementary School, 9834 Greenside Drive	Cockeysville	Baltimore	MD	03
24 HOUR	112	37.3	33.6	28.6	25.2	29	11.6	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
24 HOUR	57	20.8	18.4	18.4	17	18	9.2	None	1	240150003	4600 Telegraph Road	Not in a city	Cecil	MD	03
24 HOUR	112	24.4	23.2	21.6	20.7	22	9.5	None	1	240251001	Edgewood Chemical Biological Center (Apg), Waehli Road	Edgewood	Harford	MD	03
24 HOUR	50	18.6	17.7	17.2	16.9	19	9.1	None	1	240313001	Lathrop E. Smith Environmental Education Center, 5110 Meadowside Lane	Rockville	Montgomery	MD	03
24 HOUR	115	35.7	32.4	24.9	24.9	25	11.5	None	1	240330025	Bladensburg Volunteer Fire Department, 4213 Edmondson Road	Bladensburg	Prince George's	MD	03
24 HOUR	107	34.4	20.3	19.8	18.6	20	9.4	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
24 HOUR	12	17.2	14.4	14	13.8	17	9.8	None	2	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
24 HOUR	112	21.4	21.3	20.9	19.9	21	9.5	None	1	240338003	Pg County Equestrian Center, 14900 Pennsylvania Ave.	Greater Upper Marlboro	Prince George's	MD	03
24 HOUR	27	19.3	18.6	15.1	14.2	19	10.1	None	2	240338003	Pg County Equestrian Center, 14900 Pennsylvania Ave.	Greater Upper Marlboro	Prince George's	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: PM2.5
Year: 2010
Exceptional Events: Included (if any)

Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	58	30.2	21.2	20.3	19.5	21	10.5	None	1	240430009	18530 Roxbury Road	Hagerstown	Washington	MD	03
24 HOUR	118	31.4	25	21.5	21.5	22	10.1	None	1	245100006	Northeast Police Station, 1900 Argonne Drive	Baltimore	Baltimore (City)	MD	03
24 HOUR	118	33.4	25.8	21.5	20.7	22	10.3	None	1	245100007	Northwest Police Station, 5271 Reistertown Road	Baltimore	Baltimore (City)	MD	03
24 HOUR	319	37.3	35.3	35.1	33.2	29	11	None	1	245100008	Baltimore City Fire Dept.-Truck Company 20; 5714 Eastern Avenue , Baltimore, Maryland 21224	Baltimore	Baltimore (City)	MD	03
24 HOUR	297	34.1	32.1	32	30.7	30	10.9	None	1	245100040	Oldtown Fire Station, 1100 Hillen Street	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: PM2.5
Year: 2010
Exceptional Events: Included (if any)

Duration Description=24-HR BLK AVG

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24-HR BLK AVG	315	34.8	33.4	33	32.7	32	12	None	3	240150003	4600 Telegraph Road	Not in a city	Cecil	MD	03
24-HR BLK AVG	178	35.9	28.5	28.3	27.5	28	10.8	None	3	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
24-HR BLK AVG	173	30.5	28.8	27.9	25.9	26	9.2	None	3	240290002	Millington Wildlife Management Area, Massey - Maryland Line Road (Route 330)	Millington	Kent	MD	03
24-HR BLK AVG	352	35.8	33.8	33.1	29.6	28	11.1	None	3	240313001	Lathrop E. Smith Environmental Education Center, 5110 Meadowside Lane	Rockville	Montgomery	MD	03
24-HR BLK AVG	352	39.5	38.7	38.1	32.6	27	12.1	None	3	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
24-HR BLK AVG	161	39	36.8	34.1	31	31	12.6	None	3	240430009	18530 Roxbury Road	Hagerstown	Washington	MD	03
24-HR BLK AVG	353	38.1	37.7	35.9	35.7	30	12.7	None	3	245100040	Oldtown Fire Station, 1100 Hillen Street	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: PM2.5
Year: 2011
Exceptional Events: Included (if any)

Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	112	26.4	24.7	24.4	22.7	24	10.7	None	1	240031003	Anne Arundel Co. Public Works Bldg. 7409 Baltimore Annapolis Blvd.	Glen Burnie	Anne Arundel	MD	03
24 HOUR	110	28.6	27.2	22.8	20.9	23	9.7	None	1	240051007	Padonia Elementary School, 9834 Greenside Drive	Cockeysville	Baltimore	MD	03
24 HOUR	28	26.8	21.2	20.2	17.5	27	10	None	2	240051007	Padonia Elementary School, 9834 Greenside Drive	Cockeysville	Baltimore	MD	03
24 HOUR	116	26.7	26.6	26.3	26.3	26	10.7	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
24 HOUR	72	25	24.5	20.6	20.5	25	10.3	None	1	240251001	Edgewood Chemical Biological Center (Apg), Waehli Road	Edgewood	Harford	MD	03
24 HOUR	108	27	25.4	22.6	21.6	23	10.1	None	1	240330025	Bladensburg Volunteer Fire Department, 4213 Edmondson Road	Bladensburg	Prince George's	MD	03
24 HOUR	123	24.7	22	21.8	21	22	8.7	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
24 HOUR	37	24.3	15.1	12.7	12.7	24	8.2	None	2	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
24 HOUR	118	28.8	25.8	21.1	20.4	21	8.9	None	1	240338003	Pg County Equestrian Center, 14900 Pennsylvania Ave.	Greater Upper Marlboro	Prince George's	MD	03
24 HOUR	28	15	13.9	12.7	11.9	15	7.8	None	2	240338003	Pg County Equestrian Center, 14900 Pennsylvania Ave.	Greater Upper Marlboro	Prince George's	MD	03
24 HOUR	115	26.4	25.2	23.2	21.7	23	9.9	None	1	245100006	Northeast Police Station, 1900 Argonne Drive	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: PM2.5
Year: 2011
Exceptional Events: Included (if any)

Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	118	51.7	28.1	24.2	22.7	24	10	None	1	245100007	Northwest Police Station, 5271 Reistertown Road	Baltimore	Baltimore (City)	MD	03
24 HOUR	110	28.2	27.4	24.5	23.4	25	10.6	None	1	245100008	Baltimore City Fire Dept.-Truck Company 20; 5714 Eastern Avenue , Baltimore, Maryland 21224	Baltimore	Baltimore (City)	MD	03
24 HOUR	251	36	31.9	28.6	28	25	10.8	None	1	245100040	Oldtown Fire Station, 1100 Hillen Street	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: PM2.5
Year: 2011
Exceptional Events: Included (if any)

Duration Description=24-HR BLK AVG

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24-HR BLK AVG	336	37.2	32.1	31.4	30.5	29	10.9	None	3	240150003	4600 Telegraph Road	Not in a city	Cecil	MD	03
24-HR BLK AVG	314	35	31.3	31.1	29.4	24	10.7	None	3	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
24-HR BLK AVG	118	24.6	24.3	20.6	19.4	21	10.8	None	3	240251001	Edgewood Chemical Biological Center (Apg), Waehli Road	Edgewood	Harford	MD	03
24-HR BLK AVG	341	38	35.3	34.4	34	28	10.9	Included	3	240290002	Millington Wildlife Management Area, Massey - Maryland Line Road (Route 330)	Millington	Kent	MD	03
24-HR BLK AVG	331	31.8	30.5	30.2	29.9	25	10.9	None	3	240313001	Lathrop E. Smith Environmental Education Center, 5110 Meadowside Lane	Rockville	Montgomery	MD	03
24-HR BLK AVG	344	76.1	35.3	31.5	29.5	27	11.8	Included	3	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03
24-HR BLK AVG	340	34.7	32.6	32.5	31.7	28	11.5	None	3	240430009	18530 Roxbury Road	Hagerstown	Washington	MD	03
24-HR BLK AVG	359	39.5	35.4	32.1	32	29	13.1	None	3	245100040	Oldtown Fire Station, 1100 Hillen Street	Baltimore	Baltimore (City)	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: SO2
Year: 2009
Exceptional Events: Included (if any)

Duration Description=1 HOUR

Duration Description	Obs	First Max	Second Max	99th Percentile	Actual Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
1 HOUR	8436	56	55	54	0	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
1 HOUR	8445	69	56	49	0	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
1 HOUR	8614	42	36	24	0	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: SO2
Year: 2009
Exceptional Events: Included (if any)

Duration Description=24-HR BLK AVG

Duration Description	Obs	First Max	Second Max	99th Percentile	Actual Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24-HR BLK AVG	350	33	16	12	0	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
24-HR BLK AVG	354	38	22	15	0	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
24-HR BLK AVG	360	15	8	7	0	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03

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Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: SO2
Year: 2010
Exceptional Events: Included (if any)

Duration Description=1 HOUR

Duration Description	Obs	First Max	Second Max	99th Percentile	Actual Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
1 HOUR	8296	33	22	20	0	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
1 HOUR	8571	66	61	24	0	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
1 HOUR	8325	16	15	10	0	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: SO2
Year: 2010
Exceptional Events: Included (if any)

Duration Description=24-HR BLK AVG

Duration Description	Obs	First Max	Second Max	99th Percentile	Actual Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24-HR BLK AVG	341	9	7	7	0	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
24-HR BLK AVG	361	10	10	8	0	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
24-HR BLK AVG	346	8	7	5	0	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03

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Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: SO2
Year: 2011
Exceptional Events: Included (if any)

Duration Description=1 HOUR

Duration Description	Obs	First Max	Second Max	99th Percentile	Actual Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
1 HOUR	7611	53	44	27	0	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
1 HOUR	8279	28	28	19	0	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
1 HOUR	7938	14	14	12	0	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03

Get detailed information about this report, including column descriptions, at http://www.epa.gov/airquality/airdata/ad_about_reports.html#mon

AirData reports are produced from a direct query of the AQS Data Mart. The data represent the best and most recent information available to EPA from state agencies. However, some values may be absent due to incomplete reporting, and some values may change due to quality assurance activities. The AQS database is updated daily by state, local, and tribal organizations who own and submit the data. Please contact the appropriate air quality monitoring agency to report any data problems. <http://www.epa.gov/airquality/airdata/ad_contacts.html>

Readers are cautioned not to rank order geographic areas based on AirData reports. Air pollution levels measured at a particular monitoring site are not necessarily representative of the air quality for an entire county or urban area.

This report is based on monitor-level summary statistics. Air quality standards for some pollutants (PM2.5 and Pb) allow for combining data from multiple monitors into a site-level summary statistic that can be compared to the standard. In those cases, the site-level statistics may differ from the monitor-level statistics upon which this report is based.

Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

Monitor Values Report

Geographic Area: Maryland
Pollutant: SO2
Year: 2011
Exceptional Events: Included (if any)

Duration Description=24-HR BLK AVG

Duration Description	Obs	First Max	Second Max	99th Percentile	Actual Exc	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24-HR BLK AVG	313	11	10	6	0	None	1	240053001	600 Dorsey Avenue	Essex	Baltimore	MD	03
24-HR BLK AVG	342	9	7	6	0	None	1	240230002	Frostburg Reservoir, Finzel	Not in a city	Garrett	MD	03
24-HR BLK AVG	330	5	4	3	0	None	1	240330030	Howard University'S Beltsville Laboratory, 12003 Old Baltimore Pike	Beltsville	Prince George's	MD	03

Get detailed information about this report, including column descriptions, at http://www.epa.gov/airquality/airdata/ad_about_reports.html#mon

AirData reports are produced from a direct query of the AQS Data Mart. The data represent the best and most recent information available to EPA from state agencies. However, some values may be absent due to incomplete reporting, and some values may change due to quality assurance activities. The AQS database is updated daily by state, local, and tribal organizations who own and submit the data. Please contact the appropriate air quality monitoring agency to report any data problems. <http://www.epa.gov/airquality/airdata/ad_contacts.html>

Readers are cautioned not to rank order geographic areas based on AirData reports. Air pollution levels measured at a particular monitoring site are not necessarily representative of the air quality for an entire county or urban area.

This report is based on monitor-level summary statistics. Air quality standards for some pollutants (PM2.5 and Pb) allow for combining data from multiple monitors into a site-level summary statistic that can be compared to the standard. In those cases, the site-level statistics may differ from the monitor-level statistics upon which this report is based.

Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2012

```
MOBILE6 INPUT FILE Baltimore City

REPORT FILE        :  C:\mobile62\Mobile6\Run\Balt\2011\rcity11w.out      REPLACE
DATABASE OUTPUT    :
WITH FIELDNAMES    :
EMISSIONS TABLE    :  C:\mobile62\Mobile6\Run\Balt\2011\rcity11w.tbl    REPLACE
POLLUTANTS         :  HC CO NOX CO2
AGGREGATED OUTPUT  :
RUN DATA           :

FUEL RVP           : 6.8
EXPRESS HC AS VOC  :
NO REFUELING       :
ANTI-TAMP PROGRAM  :         89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : C:\mobile62\Mobile6\Run\Balt\2011\im2010.d
T2 EXH PHASE-IN    : C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11
T2 EVAP PHASE-IN   : C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11
T2 CERT            : C:\mobile62\Mobile6\Run\Balt\LevIIStd.d
94+ LDG IMP        : C:\mobile62\Mobile6\Run\Balt\LevII94.S11
REG DISTRIBUTION   : C:\mobile62\Mobile6\Run\Balt\regdat05.bal
REBUILD EFFECTS    : .90
DIESEL FRACTIONS   :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001
0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085
0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085
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0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
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0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
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0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
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0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
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0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
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0.9992 0.9992 0.9992 0.9992 0.9992
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.9585


SCENARIO RECORD    : Baltimore City speED=2.5

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
```

```
AVERAGE SPEED      : 2.5 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=5.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 5.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=6.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 6.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
```

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VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=7.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 7.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=8.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 8.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=9.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
```

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HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 9.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=10.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 10.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=11

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 11. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
```

```
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=12

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 12. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=13

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 13. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
```

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VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=14.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 14. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=15

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 15. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=16

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
```

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66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 16. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=17

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 17. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=18

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 18. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
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CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=19

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 19. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=20

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 20. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=21.
```

```
PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 21. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=22

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 22. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=23

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 23. ARTERIAL
```

```
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=24

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 24. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=25

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 25. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
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```
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=26

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 26. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=27

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 27. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=28.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
```

```
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 28. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=29.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 29. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=30.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 30. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
```

```
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=31

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 31. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=32.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 32. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def
```

```
SCENARIO RECORD    : Baltimore City speED=33

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 33. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=34.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 34. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=35

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
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CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 35. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=36

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 36. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=37

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 37. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
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*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=38

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 38. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=39

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 39. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=40

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
```

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DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 40. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=41

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 41. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=42

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 42. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
```

```
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=43

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 43. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=44

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 44. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
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VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=45

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 45. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=46

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 46. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=47

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
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RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 47. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=48

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 48. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=49

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 49. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
```

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SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD     : Baltimore City speED=50

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2011
EVALUATION MONTH    : 1
AVERAGE SPEED       : 50. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD     : Baltimore City speED=51

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2011
EVALUATION MONTH    : 1
AVERAGE SPEED       : 51. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def
```

```
SCENARIO RECORD    : Baltimore City speED=52

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 52. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=53

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 53. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=54

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
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EVALUATION MONTH   : 1
AVERAGE SPEED      : 54. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=55

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 55. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=56

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 56. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
```

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*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=57

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 57. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=58

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 58. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=59

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
```

```
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 59. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=60

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 60. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=61

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 61. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
```

```
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=62

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 62. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=63

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 63. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
```

```
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=64

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 64. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=65

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 65. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def


END OF RUN         :
```

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: RCITY11W.INP (file 1, run 1).                             *
*************************************************************************
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


* Reading I/M program description records from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\IM2010.D
*IM Program.  Idle, IM240, and OBD.
*Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

* Reading non-default I/M CUTPOINTS from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\CUTPNT10.D
* CY 10
* CUTPOINTS 75% TO FINAL for 1994 and 1995. IMPLEMENTED May 2005.

  Reading User Supplied Tier2 Exhaust bin phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11


  Reading User Supplied Tier2 EVAP phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11


  Reading User Supplied Tier2 50K certification standards

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIStd.d


* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11

* Reading Registration Distributions from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\REGDAT05.BAL
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M614 Comment:
               User supplied diesel sale fractions.

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=2.5
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  2.5
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
```

```
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
 HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      2.921     1.652     3.895     2.226     4.247    0.322     0.447     1.094
9.39     2.395
     Composite CO  :     24.10     20.24     32.98     23.51     35.60     2.542     1.432     6.260
86.37    22.570
     Composite NOX :      0.890     0.893     2.046     1.189     1.446    0.426     0.499     9.250
1.79     1.810
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV
```

```
* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  5.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
             Maximum Temperature:  38.4 (F)
               Minimum Rel. Hum.:  58.2 (%)
               Maximum Rel. Hum.:  74.9 (%)
             Barometric Pressure: 29.80 (inches Hg)
                Nominal Fuel RVP:   6.8 psi
                   Weathered RVP:   6.8 psi
             Fuel Sulfur Content:   30. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  No

             User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      1.088     0.679     1.670     0.933     2.027    0.289     0.400     0.961
6.15     1.024
     Composite CO  :     16.72     14.22     22.21     16.27     28.44     2.133     1.197     5.110
51.57    15.806
     Composite NOX :      0.789     0.789     1.792     1.046     1.484    0.384     0.449     8.321
1.68     1.617
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
```

```
* Baltimore City speED=6.0
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  6.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
```

```
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.928     0.586     1.446     0.806     1.739    0.272     0.375     0.892
5.33     0.886
     Composite CO  :     15.59     13.27     20.53     15.13     25.27     1.945     1.089     4.581
43.38    14.647
     Composite NOX :      0.742     0.742     1.692     0.985     1.509    0.363     0.424     7.853
1.64     1.528
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=7.0
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  7.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No
```

```
              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.814     0.519     1.286     0.715     1.534    0.259     0.357     0.843
4.74     0.788
     Composite CO  :     14.78     12.59     19.33     14.32     23.00     1.810     1.012     4.204
37.53    13.820
     Composite NOX :      0.708     0.708     1.620     0.942     1.527    0.348     0.407     7.519
1.62     1.465
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=8.0
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  8.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
```

```
                    Altitude:  Low
          Minimum Temperature:  29.8 (F)
          Maximum Temperature:  38.4 (F)
            Minimum Rel. Hum.:  58.2 (%)
            Maximum Rel. Hum.:  74.9 (%)
          Barometric Pressure: 29.80 (inches Hg)
             Nominal Fuel RVP:   6.8 psi
                Weathered RVP:   6.8 psi
          Fuel Sulfur Content:   30. ppm

          Exhaust I/M Program:  Yes
             Evap I/M Program:  Yes
                  ATP Program:  Yes
             Reformulated Gas:  No

          User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.729     0.469     1.166     0.647     1.380    0.250     0.344     0.806
4.30     0.715
     Composite CO  :     14.18     12.08     18.43     13.71     21.30     1.709     0.954     3.920
33.14    13.200
     Composite NOX :      0.683     0.683     1.566     0.909     1.541    0.336     0.393     7.268
1.61     1.417
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=9.0
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  9.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
```

```
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.662     0.430     1.072     0.594     1.260    0.243     0.334     0.778
3.96     0.658
     Composite CO  :     13.70     11.69     17.73     13.24     19.98     1.631     0.909     3.700
29.73    12.717
     Composite NOX :      0.664     0.663     1.524     0.884     1.551    0.328     0.383     7.073
1.59     1.380
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=10.0
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
```

```
  M583 Warning:
            The user supplied arterial average speed of 10.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.609     0.399     0.998     0.552     1.164    0.237     0.326     0.755
3.69     0.612
     Composite CO  :     13.33     11.37     17.17     12.86     18.92     1.568     0.873     3.524
27.00    12.331
     Composite NOX :      0.648     0.647     1.490     0.863     1.559    0.321     0.375     6.916
1.58     1.350
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=11
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV
```

```
* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 11.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.577     0.378     0.945     0.523     1.069    0.227     0.311     0.714
3.46     0.578
```

```
     Composite CO  :     13.06     11.13     16.76     12.58     17.39     1.473     0.818     3.256
24.83    12.010
     Composite NOX :      0.624     0.623     1.440     0.832     1.580    0.309     0.361     6.654
1.59     1.303
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=12
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 12.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.550     0.360     0.901     0.499     0.989    0.218     0.299     0.680
3.27     0.550
     Composite CO  :     12.84     10.94     16.42     12.34     16.11     1.394     0.773     3.033
23.02    11.743
     Composite NOX :      0.603     0.602     1.398     0.806     1.597    0.299     0.349     6.436
1.59     1.263
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=13
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 13.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
```

```
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.528     0.345     0.864     0.478     0.922    0.211     0.289     0.652
3.11     0.527
     Composite CO  :     12.65     10.77     16.13     12.14     15.03     1.327     0.734     2.845
21.49    11.517
     Composite NOX :      0.586     0.585     1.362     0.784     1.611    0.291     0.339     6.251
1.60     1.229
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=14.
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 14.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
```

```
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.508     0.332     0.832     0.461     0.865    0.205     0.280     0.627
2.97     0.506
     Composite CO  :     12.49     10.62     15.88     11.97     14.10     1.269     0.701     2.683
20.17    11.323
     Composite NOX :      0.571     0.570     1.331     0.765     1.624    0.283     0.331     6.093
1.60     1.201
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=15
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 15.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
```

```
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.491     0.321     0.805     0.445     0.815    0.199     0.272     0.606
2.85     0.489
     Composite CO  :     12.35     10.50     15.67     11.82     13.30     1.220     0.672     2.543
19.04    11.154
     Composite NOX :      0.558     0.557     1.305     0.749     1.635    0.277     0.323     5.956
1.60     1.176
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=16
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
```

```
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 16.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
             Minimum Temperature:  29.8 (F)
             Maximum Temperature:  38.4 (F)
               Minimum Rel. Hum.:  58.2 (%)
               Maximum Rel. Hum.:  74.9 (%)
             Barometric Pressure: 29.80 (inches Hg)
                Nominal Fuel RVP:   6.8 psi
                   Weathered RVP:   6.8 psi
             Fuel Sulfur Content:   30. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  No

             User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.477     0.312     0.781     0.432     0.763    0.193     0.262     0.578
2.75     0.472
     Composite CO  :     12.22     10.39     15.48     11.69     12.45     1.164     0.641     2.387
18.12    11.000
     Composite NOX :      0.547     0.546     1.282     0.735     1.653    0.270     0.315     5.795
1.62     1.151
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
```

```
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=17
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 17.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.463     0.303     0.759     0.420     0.717    0.187     0.254     0.554
2.67     0.458
     Composite CO  :     12.12     10.30     15.31     11.58     11.69     1.115     0.613     2.250
17.31    10.863
     Composite NOX :      0.537     0.536     1.261     0.722     1.670    0.263     0.307     5.653
1.64     1.129
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=18
* File 1, Run 1, Scenario 15.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 18.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.452     0.296     0.740     0.410     0.676    0.181     0.246     0.533
2.59     0.445
     Composite CO  :     12.02     10.21     15.16     11.48     11.02     1.072     0.588     2.128
16.59    10.742
     Composite NOX :      0.528     0.527     1.243     0.711     1.685    0.258     0.301     5.527
1.66     1.109
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=19
* File 1, Run 1, Scenario 16.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 19.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.442     0.289     0.724     0.400     0.640    0.176     0.239     0.514
2.53     0.434
     Composite CO  :     11.93     10.13     15.03     11.39     10.42     1.033     0.565     2.019
15.95    10.633
     Composite NOX :      0.520     0.520     1.227     0.701     1.698    0.253     0.295     5.414
1.67     1.092
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=20
* File 1, Run 1, Scenario 17.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 20.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.432     0.283     0.708     0.392     0.607    0.172     0.233     0.497
2.46     0.423
     Composite CO  :     11.86     10.06     14.91     11.31      9.88     0.998     0.545     1.920
15.37    10.535
     Composite NOX :      0.513     0.512     1.212     0.692     1.710    0.248     0.289     5.313
1.69     1.076
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=21.
* File 1, Run 1, Scenario 18.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 21.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.424     0.277     0.695     0.384     0.576    0.167     0.226     0.478
2.41     0.414
     Composite CO  :     11.79     10.01     14.82     11.24      9.37     0.964     0.526     1.824
14.84    10.451
     Composite NOX :      0.506     0.506     1.199     0.684     1.728    0.244     0.284     5.217
1.71     1.062
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=22
* File 1, Run 1, Scenario 19.
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 22.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.416     0.272     0.682     0.377     0.547    0.163     0.220     0.460
2.36     0.405
     Composite CO  :     11.73      9.95     14.73     11.18      8.91     0.933     0.508     1.737
14.35    10.375
     Composite NOX :      0.501     0.500     1.187     0.676     1.744    0.240     0.279     5.129
1.73     1.049
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=23
* File 1, Run 1, Scenario 20.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 23.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.409     0.268     0.671     0.371     0.522    0.159     0.214     0.445
2.31     0.397
     Composite CO  :     11.68      9.91     14.66     11.12      8.49     0.905     0.492     1.658
13.91    10.306
     Composite NOX :      0.495     0.495     1.176     0.669     1.759    0.236     0.275     5.049
1.75     1.037
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=24
* File 1, Run 1, Scenario 21.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 24.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.403     0.264     0.660     0.365     0.498    0.155     0.209     0.430
2.27     0.389
     Composite CO  :     11.63      9.86     14.58     11.07      8.11     0.879     0.477     1.585
13.50    10.242
     Composite NOX :      0.490     0.490     1.166     0.663     1.773    0.233     0.271     4.976
1.77     1.026
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=25
* File 1, Run 1, Scenario 22.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 25.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.397     0.260     0.650     0.360     0.476    0.152     0.204     0.417
2.23     0.382
     Composite CO  :     11.59      9.82     14.52     11.03      7.75     0.855     0.463     1.518
13.12    10.183
     Composite NOX :      0.486     0.485     1.157     0.657     1.785    0.230     0.268     4.909
1.79     1.016
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=26
* File 1, Run 1, Scenario 23.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 26.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.392     0.257     0.643     0.356     0.456    0.148     0.199     0.403
2.18     0.377
     Composite CO  :     11.57      9.81     14.48     11.01      7.45     0.833     0.451     1.457
12.75    10.149
     Composite NOX :      0.482     0.481     1.148     0.652     1.802    0.228     0.265     4.860
1.81     1.008
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=27
* File 1, Run 1, Scenario 24.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
```

```
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 27.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.387     0.254     0.636     0.352     0.438    0.145     0.195     0.390
2.15     0.371
     Composite CO  :     11.55      9.79     14.45     10.99      7.16     0.814     0.439     1.401
12.40    10.117
```

```
     Composite NOX :      0.478     0.477     1.140     0.647     1.818    0.226     0.263     4.815
1.83     1.000
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=28.
* File 1, Run 1, Scenario 25.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 28.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.383     0.251     0.630     0.348     0.421    0.142     0.191     0.378
2.11     0.366
     Composite CO  :     11.53      9.78     14.42     10.97      6.90     0.795     0.428     1.349
12.08    10.088
     Composite NOX :      0.474     0.474     1.133     0.643     1.833    0.224     0.260     4.773
1.85     0.994
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=29.
* File 1, Run 1, Scenario 26.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 29.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.379     0.249     0.624     0.345     0.405    0.139     0.187     0.367
2.08     0.362
     Composite CO  :     11.51      9.77     14.40     10.95      6.65     0.778     0.419     1.301
11.78    10.060
     Composite NOX :      0.471     0.471     1.126     0.639     1.847    0.222     0.258     4.734
1.87     0.987
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=30.
* File 1, Run 1, Scenario 27.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 30.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.376     0.246     0.619     0.342     0.390    0.137     0.183     0.357
2.05     0.357
     Composite CO  :     11.50      9.75     14.37     10.94      6.43     0.762     0.409     1.255
11.50    10.035
     Composite NOX :      0.468     0.467     1.120     0.635     1.860    0.220     0.256     4.697
1.88     0.981
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=31
* File 1, Run 1, Scenario 28.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 31.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.372     0.244     0.613     0.339     0.377    0.134     0.179     0.347
2.02     0.353
     Composite CO  :     11.51      9.77     14.39     10.95      6.25     0.748     0.402     1.217
11.23    10.038
     Composite NOX :      0.466     0.466     1.117     0.632     1.877    0.220     0.256     4.688
1.90     0.979
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=32.
* File 1, Run 1, Scenario 29.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 32.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.369     0.243     0.608     0.336     0.365    0.132     0.176     0.338
1.99     0.350
     Composite CO  :     11.52      9.78     14.42     10.97      6.08     0.735     0.394     1.182
10.97    10.040
     Composite NOX :      0.464     0.464     1.114     0.631     1.893    0.219     0.255     4.679
1.91     0.977
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
```

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  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=33
* File 1, Run 1, Scenario 30.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 33.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.367     0.241     0.603     0.334     0.354    0.130     0.173     0.329
1.96     0.346
     Composite CO  :     11.53      9.79     14.44     10.98      5.92     0.724     0.387     1.148
10.73    10.043
     Composite NOX :      0.462     0.463     1.111     0.629     1.908    0.219     0.255     4.670
1.93     0.976
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=34.
* File 1, Run 1, Scenario 31.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 34.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.364     0.240     0.598     0.332     0.343    0.128     0.170     0.321
1.93     0.343
     Composite CO  :     11.55      9.80     14.46     10.99      5.77     0.712     0.381     1.117
10.51    10.046
     Composite NOX :      0.461     0.461     1.108     0.627     1.922    0.219     0.255     4.662
1.94     0.974
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=35
* File 1, Run 1, Scenario 32.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 35.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.361     0.238     0.594     0.329     0.333    0.126     0.167     0.313
1.91     0.340
     Composite CO  :     11.56      9.81     14.47     11.01      5.63     0.702     0.375     1.087
10.29    10.048
     Composite NOX :      0.459     0.460     1.106     0.625     1.936    0.218     0.254     4.655
1.95     0.972
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=36
* File 1, Run 1, Scenario 33.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 36.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.360     0.238     0.591     0.328     0.324    0.124     0.165     0.306
1.89     0.338
     Composite CO  :     11.63      9.88     14.58     11.08      5.54     0.694     0.370     1.064
10.11    10.108
     Composite NOX :      0.462     0.462     1.108     0.627     1.952    0.220     0.256     4.682
1.97     0.977
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=37
* File 1, Run 1, Scenario 34.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 37.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.358     0.238     0.589     0.328     0.316    0.122     0.162     0.299
1.87     0.336
     Composite CO  :     11.69      9.94     14.68     11.16      5.45     0.686     0.366     1.043
9.93    10.165
     Composite NOX :      0.464     0.464     1.111     0.629     1.968    0.221     0.257     4.707
1.98     0.982
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=38
* File 1, Run 1, Scenario 35.
```

```
* # # #
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.357     0.237     0.587     0.327     0.308    0.121     0.160     0.292
1.85     0.334
     Composite CO  :     11.76     10.00     14.77     11.23      5.36     0.679     0.362     1.022
9.77    10.219
     Composite NOX :      0.466     0.465     1.113     0.631     1.983    0.222     0.258     4.732
1.99     0.986
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=39
* File 1, Run 1, Scenario 36.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 39.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.356     0.237     0.585     0.326     0.301    0.119     0.158     0.286
1.83     0.333
     Composite CO  :     11.82     10.06     14.86     11.29      5.28     0.672     0.358     1.003
9.61    10.270
     Composite NOX :      0.467     0.467     1.116     0.633     1.997    0.223     0.260     4.755
1.99     0.990
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=40
* File 1, Run 1, Scenario 37.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 40.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.355     0.237     0.583     0.325     0.294    0.118     0.156     0.280
1.81     0.331
     Composite CO  :     11.87     10.12     14.94     11.35      5.21     0.665     0.354     0.985
9.46    10.318
     Composite NOX :      0.469     0.469     1.118     0.635     2.011    0.224     0.261     4.776
2.00     0.994
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=41
* File 1, Run 1, Scenario 38.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 41.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.354     0.237     0.580     0.325     0.288    0.116     0.154     0.275
1.80     0.330
     Composite CO  :     11.94     10.18     15.05     11.43      5.18     0.661     0.352     0.973
9.34    10.381
     Composite NOX :      0.472     0.471     1.121     0.638     2.027    0.227     0.264     4.842
2.01     1.003
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=42
* File 1, Run 1, Scenario 39.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 42.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.353     0.237     0.578     0.324     0.282    0.115     0.152     0.270
1.79     0.328
     Composite CO  :     12.01     10.25     15.14     11.50      5.16     0.658     0.349     0.963
9.23    10.441
     Composite NOX :      0.474     0.474     1.125     0.640     2.043    0.230     0.268     4.905
2.02     1.011
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=43
* File 1, Run 1, Scenario 40.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
```

```
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 43.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.352     0.236     0.576     0.324     0.277    0.114     0.150     0.266
1.78     0.327
     Composite CO  :     12.07     10.31     15.24     11.57      5.14     0.654     0.347     0.953
9.13    10.498
```

```
     Composite NOX :      0.477     0.476     1.128     0.643     2.058    0.232     0.271     4.965
2.03     1.019
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=44
* File 1, Run 1, Scenario 41.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 44.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.351     0.236     0.575     0.323     0.272    0.113     0.149     0.261
1.76     0.326
     Composite CO  :     12.14     10.37     15.33     11.64      5.11     0.651     0.345     0.943
9.02    10.552
     Composite NOX :      0.479     0.478     1.131     0.645     2.072    0.235     0.274     5.022
2.03     1.027
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=45
* File 1, Run 1, Scenario 42.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 45.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.350     0.236     0.573     0.322     0.267    0.112     0.147     0.257
1.75     0.325
     Composite CO  :     12.19     10.42     15.41     11.70      5.09     0.647     0.344     0.934
8.93    10.604
     Composite NOX :      0.481     0.480     1.134     0.648     2.086    0.237     0.277     5.076
2.04     1.034
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=46
* File 1, Run 1, Scenario 43.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 46.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.349     0.236     0.571     0.322     0.263    0.111     0.146     0.253
1.75     0.324
     Composite CO  :     12.26     10.49     15.52     11.78      5.13     0.647     0.343     0.932
8.88    10.669
     Composite NOX :      0.484     0.483     1.138     0.650     2.102    0.242     0.283     5.187
2.07     1.046
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=47
* File 1, Run 1, Scenario 44.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 47.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.348     0.236     0.568     0.321     0.259    0.110     0.145     0.250
1.75     0.322
     Composite CO  :     12.33     10.55     15.61     11.85      5.16     0.646     0.343     0.930
8.84    10.732
     Composite NOX :      0.487     0.485     1.141     0.653     2.118    0.247     0.288     5.294
2.09     1.059
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=48
* File 1, Run 1, Scenario 45.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 48.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.347     0.236     0.566     0.320     0.255    0.109     0.143     0.247
1.74     0.321
     Composite CO  :     12.39     10.62     15.71     11.92      5.20     0.646     0.343     0.929
8.79    10.791
     Composite NOX :      0.489     0.487     1.144     0.656     2.133    0.252     0.294     5.395
2.11     1.070
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
```

```
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=49
* File 1, Run 1, Scenario 46.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 49.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.345     0.235     0.564     0.320     0.251    0.108     0.142     0.243
1.74     0.320
     Composite CO  :     12.45     10.67     15.80     11.99      5.23     0.645     0.342     0.928
8.75    10.849
     Composite NOX :      0.491     0.489     1.148     0.658     2.147    0.256     0.299     5.493
2.13     1.081
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=50
* File 1, Run 1, Scenario 47.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 50.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.344     0.235     0.563     0.319     0.248    0.107     0.141     0.240
1.74     0.319
     Composite CO  :     12.51     10.73     15.88     12.05      5.26     0.645     0.342     0.926
8.71    10.904
     Composite NOX :      0.494     0.491     1.151     0.660     2.161    0.260     0.304     5.587
2.16     1.092
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=51
* File 1, Run 1, Scenario 48.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 51.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
                GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.343     0.235     0.560     0.318     0.245    0.107     0.140     0.238
1.74     0.318
     Composite CO  :     12.58     10.80     15.98     12.13      5.36     0.647     0.344     0.934
8.71    10.972
     Composite NOX :      0.496     0.494     1.155     0.663     2.177    0.268     0.313     5.756
2.20     1.110
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=52
* File 1, Run 1, Scenario 49.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 52.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.342     0.235     0.558     0.318     0.242    0.106     0.140     0.236
1.74     0.317
     Composite CO  :     12.65     10.86     16.08     12.20      5.46     0.650     0.345     0.941
8.71    11.037
     Composite NOX :      0.499     0.496     1.158     0.666     2.193    0.275     0.321     5.918
2.25     1.127
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=53
* File 1, Run 1, Scenario 50.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 53.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.341     0.235     0.556     0.317     0.239    0.106     0.139     0.234
1.74     0.316
     Composite CO  :     12.71     10.92     16.18     12.27      5.56     0.653     0.347     0.949
8.71    11.099
     Composite NOX :      0.501     0.499     1.162     0.669     2.208    0.283     0.330     6.074
2.30     1.143
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=54
* File 1, Run 1, Scenario 51.
```

```
* # # #
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.340     0.234     0.554     0.316     0.237    0.105     0.138     0.232
1.74     0.315
     Composite CO  :     12.77     10.98     16.27     12.34      5.65     0.655     0.348     0.955
8.71    11.160
     Composite NOX :      0.504     0.501     1.165     0.671     2.222    0.289     0.338     6.225
2.34     1.159
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=55
* File 1, Run 1, Scenario 52.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 55.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.339     0.234     0.552     0.315     0.234    0.105     0.137     0.230
1.74     0.314
     Composite CO  :     12.83     11.04     16.35     12.40      5.74     0.657     0.349     0.962
8.71    11.218
     Composite NOX :      0.506     0.503     1.169     0.674     2.236    0.296     0.346     6.370
2.38     1.175
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=56
* File 1, Run 1, Scenario 53.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 56.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.338     0.234     0.550     0.315     0.233    0.105     0.137     0.229
1.81     0.313
     Composite CO  :     12.90     11.10     16.45     12.47      5.93     0.664     0.353     0.980
9.86    11.292
     Composite NOX :      0.509     0.506     1.173     0.677     2.253    0.307     0.359     6.617
2.43     1.199
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=57
* File 1, Run 1, Scenario 54.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 57.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.337     0.234     0.548     0.314     0.232    0.104     0.137     0.228
1.88     0.313
     Composite CO  :     12.97     11.17     16.55     12.55      6.11     0.670     0.357     0.997
10.96    11.363
     Composite NOX :      0.511     0.508     1.177     0.679     2.268    0.318     0.371     6.856
2.47     1.223
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=58
* File 1, Run 1, Scenario 55.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 58.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.336     0.234     0.546     0.314     0.230    0.104     0.136     0.227
1.94     0.312
     Composite CO  :     13.03     11.23     16.64     12.62      6.29     0.676     0.360     1.014
12.02    11.432
     Composite NOX :      0.514     0.510     1.181     0.682     2.283    0.328     0.384     7.086
2.52     1.246
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=59
* File 1, Run 1, Scenario 56.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
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* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 59.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.335     0.234     0.544     0.313     0.229    0.104     0.136     0.226
2.01     0.312
     Composite CO  :     13.09     11.29     16.73     12.68      6.46     0.681     0.363     1.030
13.05    11.498
```

```
     Composite NOX :      0.516     0.513     1.184     0.685     2.298    0.338     0.395     7.308
2.56     1.268
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=60
* File 1, Run 1, Scenario 57.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 60.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.334     0.234     0.543     0.313     0.228    0.104     0.136     0.225
2.07     0.311
     Composite CO  :     13.15     11.34     16.82     12.75      6.62     0.687     0.366     1.045
14.05    11.562
     Composite NOX :      0.519     0.515     1.188     0.687     2.312    0.348     0.407     7.523
2.60     1.290
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=61
* File 1, Run 1, Scenario 58.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 61.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.333     0.234     0.541     0.312     0.228    0.104     0.136     0.225
2.14     0.311
     Composite CO  :     13.22     11.41     16.92     12.82      6.93     0.698     0.373     1.076
15.19    11.641
     Composite NOX :      0.521     0.518     1.192     0.690     2.328    0.364     0.426     7.882
2.65     1.324
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=62
* File 1, Run 1, Scenario 59.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 62.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.333     0.234     0.539     0.312     0.228    0.104     0.136     0.225
2.21     0.311
     Composite CO  :     13.28     11.47     17.02     12.89      7.23     0.708     0.379     1.106
16.29    11.717
     Composite NOX :      0.524     0.520     1.196     0.693     2.343    0.380     0.445     8.230
2.70     1.358
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=63
* File 1, Run 1, Scenario 60.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 63.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.332     0.234     0.538     0.312     0.228    0.104     0.136     0.225
2.28     0.311
     Composite CO  :     13.35     11.53     17.11     12.96      7.52     0.719     0.385     1.134
17.35    11.790
     Composite NOX :      0.527     0.522     1.200     0.696     2.358    0.395     0.462     8.566
2.74     1.390
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=64
* File 1, Run 1, Scenario 61.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 64.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.331     0.234     0.536     0.311     0.228    0.104     0.136     0.225
2.35     0.310
     Composite CO  :     13.41     11.59     17.20     13.03      7.80     0.729     0.390     1.162
18.38    11.861
     Composite NOX :      0.529     0.525     1.203     0.699     2.373    0.410     0.480     8.891
2.78     1.421
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
```

```
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=65
* File 1, Run 1, Scenario 62.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 65.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.331     0.234     0.534     0.311     0.228    0.104     0.136     0.225
2.41     0.310
     Composite CO  :     13.47     11.65     17.29     13.10      8.07     0.738     0.396     1.189
19.38    11.930
     Composite NOX :      0.531     0.527     1.207     0.701     2.387    0.424     0.497     9.207
2.83     1.452
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------
```

FILE	RUN	SCEN	CAL_YEAR	POL	VTYPE	GM_MILE	GM_DAY	STARTS	ENDS	MILES	MPG	VMT
1	1	1	2011	4	1	368.1	11047.1		7.2800	5.3799	30.0117	24.09
	0.281246											
1	1	1	2011	4	2	478.8	19245.9		8.0600	5.7548	40.1957	18.52
	0.101405											
1	1	1	2011	4	3	478.8	19245.9		8.0600	5.7548	40.1957	18.52
	0.337320											
1	1	1	2011	4	4	622.2	23529.2		8.0600	5.7548	37.8166	14.25
	0.103547											
1	1	1	2011	4	5	622.2	23529.2		8.0600	5.7548	37.8166	14.25
	0.047578											
1	1	1	2011	4	6	878.0	33162.6		6.8800	4.9123	37.7707	10.10
	0.027524											
1	1	1	2011	4	7	947.2	35776.9		6.8800	4.9123	37.7707	9.36
	0.000969											
1	1	1	2011	4	8	951.0	34704.5		6.8800	4.9123	36.4932	9.33
	0.000281											
1	1	1	2011	4	9	1108.7	40460.9		6.8800	4.9123	36.4931	8.00
	0.000959											
1	1	1	2011	4	10	1092.4	39865.3		6.8800	4.9123	36.4932	8.12
	0.001996											
1	1	1	2011	4	11	1192.7	43526.7		6.8800	4.9123	36.4932	7.44
	0.000819											
1	1	1	2011	4	12	1257.2	45878.8		6.8800	4.9123	36.4932	7.05
	0.000002											
1	1	1	2011	4	13	0.0	0.0		0.0000	0.0000	0.0000	0.00
	0.000000											
1	1	1	2011	4	14	315.3	9461.2		7.2800	5.1979	30.0117	32.28
	0.000028											
1	1	1	2011	4	15	460.4	22232.4		8.0600	5.7548	48.2848	22.10
	0.004518											
1	1	1	2011	4	16	786.9	35451.7		6.6500	4.7481	45.0549	12.93
	0.008198											
1	1	1	2011	4	17	873.8	41290.7		6.6500	4.7481	47.2522	11.65
	0.002544											
1	1	1	2011	4	18	999.5	56654.8		6.6500	4.7481	56.6821	10.18
	0.002699											
1	1	1	2011	4	19	1032.4	58516.2		6.6500	4.7481	56.6821	9.86
	0.001293											
1	1	1	2011	4	20	1169.6	75742.5		6.6500	4.7481	64.7605	8.70
	0.006032											
1	1	1	2011	4	21	1351.7	87537.1		6.6500	4.7481	64.7605	7.53
	0.008655											
1	1	1	2011	4	22	1546.3	201361.0		6.6500	4.7481	130.2221	6.58
	0.010278											
1	1	1	2011	4	23	1619.2	320296.8		6.6500	4.7481	197.8148	6.28
	0.036527											
1	1	1	2011	4	24	177.4	1522.2		1.3500	0.9639	8.5822	50.00
	0.002374											
1	1	1	2011	4	25	1379.1	37554.4		6.8800	4.9123	27.2301	6.43
	0.000303											
1	1	1	2011	4	26	2345.7	229268.0		6.6500	4.7481	97.7390	4.34
	0.003655											
1	1	1	2011	4	27	1644.5	44779.3		6.6500	4.7481	27.2301	6.19
	0.007008											
1	1	1	2011	4	28	598.6	26321.1		8.0600	5.7548	43.9743	17.00
	0.002242											
1	1	1	2011	1	1	2.9209	87.661		7.2800	5.3799	30.0117	24.09
	0.281246											
1	1	1	2011	1	2	1.5745	63.288		8.0600	5.7548	40.1957	18.52
	0.101405											
1	1	1	2011	1	3	1.6747	67.316		8.0600	5.7548	40.1957	18.52
	0.337320											
1	1	1	2011	1	4	3.8306	144.862		8.0600	5.7548	37.8166	14.25
	0.103547											
1	1	1	2011	1	5	4.0338	152.544		8.0600	5.7548	37.8166	14.25
	0.047578											
1	1	1	2011	1	6	4.2573	160.801		6.8800	4.9123	37.7707	10.10
	0.027524											
1	1	1	2011	1	7	4.2591	160.869		6.8800	4.9123	37.7707	9.36
	0.000969											
1	1	1	2011	1	8	3.6548	133.376		6.8800	4.9123	36.4932	9.33
	0.000281											
1	1	1	2011	1	9	3.8908	141.987		6.8800	4.9123	36.4931	8.00
	0.000959											
1	1	1	2011	1	10	3.8802	141.602		6.8800	4.9123	36.4932	8.12
	0.001996											
1	1	1	2011	1	11	4.1120	150.059		6.8800	4.9123	36.4932	7.44
	0.000819											
1	1	1	2011	1	12	4.2494	155.075		6.8800	4.9123	36.4932	7.05
	0.000002											
1	1	1	2011	1	13	0.0000	0.000		0.0000	0.0000	0.0000	0.00
	0.000000											
1	1	1	2011	1	14	0.3224	9.676		7.2800	5.1979	30.0117	32.28
	0.000028											
1	1	1	2011	1	15	0.2464	11.899		8.0600	5.7548	48.2848	22.10
	0.004518											
1	1	1	2011	1	16	0.4590	20.681		6.6500	4.7481	45.0549	12.93
	0.008198											
1	1	1	2011	1	17	0.5008	23.666		6.6500	4.7481	47.2522	11.65
	0.002544											
1	1	1	2011	1	18	0.6540	37.073		6.6500	4.7481	56.6821	10.18
	0.002699											
1	1	1	2011	1	19	0.7252	41.106		6.6500	4.7481	56.6821	9.86
	0.001293											

1	1	1	2011	1	20	0.8576	55.538	6.6500	4.7481	64.7605	8.70	0.006032
1	1	1	2011	1	21	1.0499	67.992	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2011	1	22	1.0980	142.978	6.6500	4.7481	130.2221	6.58	0.010278
1	1	1	2011	1	23	1.2928	255.739	6.6500	4.7481	197.8148	6.28	0.036527
1	1	1	2011	1	24	9.3873	80.564	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2011	1	25	7.6942	209.513	6.8800	4.9123	27.2301	6.43	0.000303
1	1	1	2011	1	26	1.0030	98.034	6.6500	4.7481	97.7390	4.34	0.003655
1	1	1	2011	1	27	1.5522	42.267	6.6500	4.7481	27.2301	6.19	0.007008
1	1	1	2011	1	28	0.8522	37.475	8.0600	5.7548	43.9743	17.00	0.002242
1	1	1	2011	2	1	24.0974	723.204	7.2800	5.3799	30.0117	24.09	0.281246
1	1	1	2011	2	2	19.3634	778.323	8.0600	5.7548	40.1957	18.52	0.101405
1	1	1	2011	2	3	20.5043	824.185	8.0600	5.7548	40.1957	18.52	0.337320
1	1	1	2011	2	4	32.8302	1241.526	8.0600	5.7548	37.8166	14.25	0.103547
1	1	1	2011	2	5	33.3207	1260.076	8.0600	5.7548	37.8166	14.25	0.047578
1	1	1	2011	2	6	34.0751	1287.040	6.8800	4.9123	37.7707	10.10	0.027524
1	1	1	2011	2	7	37.8172	1428.381	6.8800	4.9123	37.7707	9.36	0.000969
1	1	1	2011	2	8	36.5590	1334.153	6.8800	4.9123	36.4932	9.33	0.000281
1	1	1	2011	2	9	42.6058	1554.818	6.8800	4.9123	36.4931	8.00	0.000959
1	1	1	2011	2	10	42.2136	1540.508	6.8800	4.9123	36.4932	8.12	0.001996
1	1	1	2011	2	11	50.0373	1826.020	6.8800	4.9123	36.4932	7.44	0.000819
1	1	1	2011	2	12	53.3306	1946.203	6.8800	4.9123	36.4932	7.05	0.000002
1	1	1	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	1	2011	2	14	2.5416	76.279	7.2800	5.1979	30.0117	32.28	0.000028
1	1	1	2011	2	15	1.1767	56.818	8.0600	5.7548	48.2848	22.10	0.004518
1	1	1	2011	2	16	2.4466	110.231	6.6500	4.7481	45.0549	12.93	0.008198
1	1	1	2011	2	17	2.5979	122.756	6.6500	4.7481	47.2522	11.65	0.002544
1	1	1	2011	2	18	3.6723	208.156	6.6500	4.7481	56.6821	10.18	0.002699
1	1	1	2011	2	19	3.9613	224.534	6.6500	4.7481	56.6821	9.86	0.001293
1	1	1	2011	2	20	3.8010	246.155	6.6500	4.7481	64.7605	8.70	0.006032
1	1	1	2011	2	21	4.6794	303.039	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2011	2	22	6.1123	795.956	6.6500	4.7481	130.2221	6.58	0.010278
1	1	1	2011	2	23	7.7048	1524.125	6.6500	4.7481	197.8148	6.28	0.036527
1	1	1	2011	2	24	86.3680	741.230	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2011	2	25	60.7484	1654.187	6.8800	4.9123	27.2301	6.43	0.000303
1	1	1	2011	2	26	11.9754	1170.461	6.6500	4.7481	97.7390	4.34	0.003655
1	1	1	2011	2	27	7.2440	197.254	6.6500	4.7481	27.2301	6.19	0.007008
1	1	1	2011	2	28	1.9470	85.616	8.0600	5.7548	43.9743	17.00	0.002242
1	1	1	2011	3	1	0.8902	26.716	7.2800	5.3799	30.0117	24.09	0.281246
1	1	1	2011	3	2	0.6371	25.607	8.0600	5.7548	40.1957	18.52	0.101405
1	1	1	2011	3	3	0.9705	39.009	8.0600	5.7548	40.1957	18.52	0.337320
1	1	1	2011	3	4	1.8337	69.346	8.0600	5.7548	37.8166	14.25	0.103547
1	1	1	2011	3	5	2.5074	94.820	8.0600	5.7548	37.8166	14.25	0.047578
1	1	1	2011	3	6	1.4141	53.413	6.8800	4.9123	37.7707	10.10	0.027524
1	1	1	2011	3	7	1.4951	56.470	6.8800	4.9123	37.7707	9.36	0.000969
1	1	1	2011	3	8	1.3199	48.166	6.8800	4.9123	36.4932	9.33	0.000281
1	1	1	2011	3	9	1.5315	55.891	6.8800	4.9123	36.4931	8.00	0.000959
1	1	1	2011	3	10	1.5217	55.533	6.8800	4.9123	36.4932	8.12	0.001996

1	1	1	2011	3	11	1.6782	61.243	6.8800	4.9123	36.4932	7.44	0.000819
1	1	1	2011	3	12	1.7917	65.386	6.8800	4.9123	36.4932	7.05	0.000002
1	1	1	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	1	2011	3	14	0.4261	12.789	7.2800	5.1979	30.0117	32.28	0.000028
1	1	1	2011	3	15	0.2743	13.245	8.0600	5.7548	48.2848	22.10	0.004518
1	1	1	2011	3	16	3.5005	157.714	6.6500	4.7481	45.0549	12.93	0.008198
1	1	1	2011	3	17	3.6864	174.192	6.6500	4.7481	47.2522	11.65	0.002544
1	1	1	2011	3	18	5.0935	288.712	6.6500	4.7481	56.6821	10.18	0.002699
1	1	1	2011	3	19	5.5069	312.142	6.6500	4.7481	56.6821	9.86	0.001293
1	1	1	2011	3	20	6.3860	413.560	6.6500	4.7481	64.7605	8.70	0.006032
1	1	1	2011	3	21	7.8901	510.964	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2011	3	22	8.8736	1155.538	6.6500	4.7481	130.2221	6.58	0.010278
1	1	1	2011	3	23	10.5985	2096.540	6.6500	4.7481	197.8148	6.28	0.036527
1	1	1	2011	3	24	1.7874	15.340	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2011	3	25	2.9540	80.437	6.8800	4.9123	27.2301	6.43	0.000303
1	1	1	2011	3	26	18.7861	1836.137	6.6500	4.7481	97.7390	4.34	0.003655
1	1	1	2011	3	27	12.9827	353.521	6.6500	4.7481	27.2301	6.19	0.007008
1	1	1	2011	3	28	0.9513	41.831	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	2	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	2	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	2	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	2	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	2	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	2	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	2	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	2	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	2	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	2	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	2	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	2	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	2	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	2	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	2	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	2	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	2	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	2	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	2	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	2	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	2	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	2	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	2	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2011	1	1	1.0875	32.639	7.2800	5.3799	30.0117	24.09	0.281246

1	1	2	2011	1	2	0.6266	25.185	8.0600	5.7548	40.1957	18.52	0.101405
1	1	2	2011	1	3	0.6951	27.940	8.0600	5.7548	40.1957	18.52	0.337320
1	1	2	2011	1	4	1.6275	61.546	8.0600	5.7548	37.8166	14.25	0.103547
1	1	2	2011	1	5	1.7632	66.679	8.0600	5.7548	37.8166	14.25	0.047578
1	1	2	2011	1	6	2.0157	76.134	6.8800	4.9123	37.7707	10.10	0.027524
1	1	2	2011	1	7	2.0171	76.189	6.8800	4.9123	37.7707	9.36	0.000969
1	1	2	2011	1	8	1.7778	64.878	6.8800	4.9123	36.4932	9.33	0.000281
1	1	2	2011	1	9	1.9659	71.741	6.8800	4.9123	36.4931	8.00	0.000959
1	1	2	2011	1	10	1.9575	71.434	6.8800	4.9123	36.4932	8.12	0.001996
1	1	2	2011	1	11	2.1422	78.174	6.8800	4.9123	36.4932	7.44	0.000819
1	1	2	2011	1	12	2.2517	82.172	6.8800	4.9123	36.4932	7.05	0.000002
1	1	2	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2011	1	14	0.2890	8.673	7.2800	5.1979	30.0117	32.28	0.000028
1	1	2	2011	1	15	0.2201	10.629	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2011	1	16	0.4034	18.174	6.6500	4.7481	45.0549	12.93	0.008198
1	1	2	2011	1	17	0.4401	20.797	6.6500	4.7481	47.2522	11.65	0.002544
1	1	2	2011	1	18	0.5747	32.578	6.6500	4.7481	56.6821	10.18	0.002699
1	1	2	2011	1	19	0.6373	36.122	6.6500	4.7481	56.6821	9.86	0.001293
1	1	2	2011	1	20	0.7536	48.804	6.6500	4.7481	64.7605	8.70	0.006032
1	1	2	2011	1	21	0.9226	59.748	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2011	1	22	0.9648	125.642	6.6500	4.7481	130.2221	6.58	0.010278
1	1	2	2011	1	23	1.1361	224.732	6.6500	4.7481	197.8148	6.28	0.036527
1	1	2	2011	1	24	6.1476	52.760	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2011	1	25	3.6862	100.377	6.8800	4.9123	27.2301	6.43	0.000303
1	1	2	2011	1	26	0.8814	86.148	6.6500	4.7481	97.7390	4.34	0.003655
1	1	2	2011	1	27	1.3640	37.142	6.6500	4.7481	27.2301	6.19	0.007008
1	1	2	2011	1	28	0.7617	33.497	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2011	2	1	16.7154	501.659	7.2800	5.3799	30.0117	24.09	0.281246
1	1	2	2011	2	2	13.6285	547.808	8.0600	5.7548	40.1957	18.52	0.101405
1	1	2	2011	2	3	14.3989	578.775	8.0600	5.7548	40.1957	18.52	0.337320
1	1	2	2011	2	4	22.0953	835.571	8.0600	5.7548	37.8166	14.25	0.103547
1	1	2	2011	2	5	22.4572	849.256	8.0600	5.7548	37.8166	14.25	0.047578
1	1	2	2011	2	6	27.2265	1028.365	6.8800	4.9123	37.7707	10.10	0.027524
1	1	2	2011	2	7	30.2165	1141.298	6.8800	4.9123	37.7707	9.36	0.000969
1	1	2	2011	2	8	29.2112	1066.009	6.8800	4.9123	36.4932	9.33	0.000281
1	1	2	2011	2	9	34.0427	1242.324	6.8800	4.9123	36.4931	8.00	0.000959
1	1	2	2011	2	10	33.7293	1230.890	6.8800	4.9123	36.4932	8.12	0.001996
1	1	2	2011	2	11	39.9806	1459.018	6.8800	4.9123	36.4932	7.44	0.000819
1	1	2	2011	2	12	42.6120	1555.046	6.8800	4.9123	36.4932	7.05	0.000002
1	1	2	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2011	2	14	2.1327	64.006	7.2800	5.1979	30.0117	32.28	0.000028
1	1	2	2011	2	15	0.9822	47.428	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2011	2	16	1.9972	89.985	6.6500	4.7481	45.0549	12.93	0.008198
1	1	2	2011	2	17	2.1207	100.209	6.6500	4.7481	47.2522	11.65	0.002544
1	1	2	2011	2	18	2.9978	169.924	6.6500	4.7481	56.6821	10.18	0.002699
1	1	2	2011	2	19	3.2337	183.294	6.6500	4.7481	56.6821	9.86	0.001293
1	1	2	2011	2	20	3.1029	200.943	6.6500	4.7481	64.7605	8.70	0.006032

1	1	2	2011	2	21	3.8199	247.379	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2011	2	22	4.9896	649.762	6.6500	4.7481	130.2221	6.58	0.010278
1	1	2	2011	2	23	6.2897	1244.188	6.6500	4.7481	197.8148	6.28	0.036527
1	1	2	2011	2	24	51.5693	442.579	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2011	2	25	48.5389	1321.721	6.8800	4.9123	27.2301	6.43	0.000303
1	1	2	2011	2	26	9.7758	955.482	6.6500	4.7481	97.7390	4.34	0.003655
1	1	2	2011	2	27	5.9135	161.024	6.6500	4.7481	27.2301	6.19	0.007008
1	1	2	2011	2	28	1.6303	71.692	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2011	3	1	0.7886	23.667	7.2800	5.3799	30.0117	24.09	0.281246
1	1	2	2011	3	2	0.5654	22.727	8.0600	5.7548	40.1957	18.52	0.101405
1	1	2	2011	3	3	0.8557	34.397	8.0600	5.7548	40.1957	18.52	0.337320
1	1	2	2011	3	4	1.6101	60.890	8.0600	5.7548	37.8166	14.25	0.103547
1	1	2	2011	3	5	2.1887	82.770	8.0600	5.7548	37.8166	14.25	0.047578
1	1	2	2011	3	6	1.4509	54.802	6.8800	4.9123	37.7707	10.10	0.027524
1	1	2	2011	3	7	1.5339	57.938	6.8800	4.9123	37.7707	9.36	0.000969
1	1	2	2011	3	8	1.3542	49.419	6.8800	4.9123	36.4932	9.33	0.000281
1	1	2	2011	3	9	1.5714	57.344	6.8800	4.9123	36.4931	8.00	0.000959
1	1	2	2011	3	10	1.5613	56.977	6.8800	4.9123	36.4932	8.12	0.001996
1	1	2	2011	3	11	1.7218	62.835	6.8800	4.9123	36.4932	7.44	0.000819
1	1	2	2011	3	12	1.8383	67.086	6.8800	4.9123	36.4932	7.05	0.000002
1	1	2	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2011	3	14	0.3841	11.529	7.2800	5.1979	30.0117	32.28	0.000028
1	1	2	2011	3	15	0.2471	11.933	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2011	3	16	3.1463	141.754	6.6500	4.7481	45.0549	12.93	0.008198
1	1	2	2011	3	17	3.3134	156.565	6.6500	4.7481	47.2522	11.65	0.002544
1	1	2	2011	3	18	4.5781	259.497	6.6500	4.7481	56.6821	10.18	0.002699
1	1	2	2011	3	19	4.9496	280.556	6.6500	4.7481	56.6821	9.86	0.001293
1	1	2	2011	3	20	5.7337	371.316	6.6500	4.7481	64.7605	8.70	0.006032
1	1	2	2011	3	21	7.0841	458.768	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2011	3	22	7.9863	1039.987	6.6500	4.7481	130.2221	6.58	0.010278
1	1	2	2011	3	23	9.5500	1889.132	6.6500	4.7481	197.8148	6.28	0.036527
1	1	2	2011	3	24	1.6762	14.385	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2011	3	25	3.0308	82.529	6.8800	4.9123	27.2301	6.43	0.000303
1	1	2	2011	3	26	16.8566	1647.543	6.6500	4.7481	97.7390	4.34	0.003655
1	1	2	2011	3	27	11.6497	317.223	6.6500	4.7481	27.2301	6.19	0.007008
1	1	2	2011	3	28	0.8570	37.685	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	3	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	3	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	3	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	3	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	3	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	3	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	3	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	3	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	3	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	3	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819

1	1	3	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	3	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	3	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	3	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	3	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	3	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	3	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	3	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	3	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	3	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	3	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	3	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	3	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2011	1	1	0.9281	27.854	7.2800	5.3799	30.0117	24.09	0.281246
1	1	3	2011	1	2	0.5379	21.623	8.0600	5.7548	40.1957	18.52	0.101405
1	1	3	2011	1	3	0.6001	24.120	8.0600	5.7548	40.1957	18.52	0.337320
1	1	3	2011	1	4	1.4075	53.229	8.0600	5.7548	37.8166	14.25	0.103547
1	1	3	2011	1	5	1.5296	57.845	8.0600	5.7548	37.8166	14.25	0.047578
1	1	3	2011	1	6	1.7282	65.276	6.8800	4.9123	37.7707	10.10	0.027524
1	1	3	2011	1	7	1.7295	65.324	6.8800	4.9123	37.7707	9.36	0.000969
1	1	3	2011	1	8	1.5291	55.801	6.8800	4.9123	36.4932	9.33	0.000281
1	1	3	2011	1	9	1.6955	61.875	6.8800	4.9123	36.4931	8.00	0.000959
1	1	3	2011	1	10	1.6881	61.604	6.8800	4.9123	36.4932	8.12	0.001996
1	1	3	2011	1	11	1.8516	67.569	6.8800	4.9123	36.4932	7.44	0.000819
1	1	3	2011	1	12	1.9485	71.107	6.8800	4.9123	36.4932	7.05	0.000002
1	1	3	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2011	1	14	0.2717	8.153	7.2800	5.1979	30.0117	32.28	0.000028
1	1	3	2011	1	15	0.2065	9.970	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2011	1	16	0.3745	16.872	6.6500	4.7481	45.0549	12.93	0.008198
1	1	3	2011	1	17	0.4086	19.307	6.6500	4.7481	47.2522	11.65	0.002544
1	1	3	2011	1	18	0.5336	30.244	6.6500	4.7481	56.6821	10.18	0.002699
1	1	3	2011	1	19	0.5916	33.534	6.6500	4.7481	56.6821	9.86	0.001293
1	1	3	2011	1	20	0.6996	45.308	6.6500	4.7481	64.7605	8.70	0.006032
1	1	3	2011	1	21	0.8565	55.467	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2011	1	22	0.8957	116.640	6.6500	4.7481	130.2221	6.58	0.010278
1	1	3	2011	1	23	1.0547	208.630	6.6500	4.7481	197.8148	6.28	0.036527
1	1	3	2011	1	24	5.3283	45.729	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2011	1	25	3.1599	86.044	6.8800	4.9123	27.2301	6.43	0.000303
1	1	3	2011	1	26	0.8183	79.975	6.6500	4.7481	97.7390	4.34	0.003655
1	1	3	2011	1	27	1.2663	34.481	6.6500	4.7481	27.2301	6.19	0.007008
1	1	3	2011	1	28	0.7148	31.431	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2011	2	1	15.5864	467.776	7.2800	5.3799	30.0117	24.09	0.281246
1	1	3	2011	2	2	12.7192	511.257	8.0600	5.7548	40.1957	18.52	0.101405

1	1	3	2011	2	3	13.4372	540.119	8.0600	5.7548	40.1957	18.52	0.337320
1	1	3	2011	2	4	20.4233	772.342	8.0600	5.7548	37.8166	14.25	0.103547
1	1	3	2011	2	5	20.7657	785.291	8.0600	5.7548	37.8166	14.25	0.047578
1	1	3	2011	2	6	24.1891	913.638	6.8800	4.9123	37.7707	10.10	0.027524
1	1	3	2011	2	7	26.8455	1013.972	6.8800	4.9123	37.7707	9.36	0.000969
1	1	3	2011	2	8	25.9523	947.082	6.8800	4.9123	36.4932	9.33	0.000281
1	1	3	2011	2	9	30.2448	1103.726	6.8800	4.9123	36.4931	8.00	0.000959
1	1	3	2011	2	10	29.9664	1093.568	6.8800	4.9123	36.4932	8.12	0.001996
1	1	3	2011	2	11	35.5202	1296.246	6.8800	4.9123	36.4932	7.44	0.000819
1	1	3	2011	2	12	37.8581	1381.561	6.8800	4.9123	36.4932	7.05	0.000002
1	1	3	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2011	2	14	1.9446	58.361	7.2800	5.1979	30.0117	32.28	0.000028
1	1	3	2011	2	15	0.8928	43.108	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2011	2	16	1.7905	80.672	6.6500	4.7481	45.0549	12.93	0.008198
1	1	3	2011	2	17	1.9013	89.839	6.6500	4.7481	47.2522	11.65	0.002544
1	1	3	2011	2	18	2.6876	152.339	6.6500	4.7481	56.6821	10.18	0.002699
1	1	3	2011	2	19	2.8991	164.325	6.6500	4.7481	56.6821	9.86	0.001293
1	1	3	2011	2	20	2.7818	180.148	6.6500	4.7481	64.7605	8.70	0.006032
1	1	3	2011	2	21	3.4246	221.778	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2011	2	22	4.4733	582.518	6.6500	4.7481	130.2221	6.58	0.010278
1	1	3	2011	2	23	5.6387	1115.426	6.6500	4.7481	197.8148	6.28	0.036527
1	1	3	2011	2	24	43.3792	372.290	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2011	2	25	43.1238	1174.266	6.8800	4.9123	27.2301	6.43	0.000303
1	1	3	2011	2	26	8.7641	856.598	6.6500	4.7481	97.7390	4.34	0.003655
1	1	3	2011	2	27	5.3015	144.360	6.6500	4.7481	27.2301	6.19	0.007008
1	1	3	2011	2	28	1.4847	65.287	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2011	3	1	0.7418	22.261	7.2800	5.3799	30.0117	24.09	0.281246
1	1	3	2011	3	2	0.5307	21.334	8.0600	5.7548	40.1957	18.52	0.101405
1	1	3	2011	3	3	0.8049	32.354	8.0600	5.7548	40.1957	18.52	0.337320
1	1	3	2011	3	4	1.5185	57.425	8.0600	5.7548	37.8166	14.25	0.103547
1	1	3	2011	3	5	2.0684	78.219	8.0600	5.7548	37.8166	14.25	0.047578
1	1	3	2011	3	6	1.4754	55.728	6.8800	4.9123	37.7707	10.10	0.027524
1	1	3	2011	3	7	1.5599	58.917	6.8800	4.9123	37.7707	9.36	0.000969
1	1	3	2011	3	8	1.3771	50.254	6.8800	4.9123	36.4932	9.33	0.000281
1	1	3	2011	3	9	1.5979	58.313	6.8800	4.9123	36.4931	8.00	0.000959
1	1	3	2011	3	10	1.5877	57.939	6.8800	4.9123	36.4932	8.12	0.001996
1	1	3	2011	3	11	1.7509	63.897	6.8800	4.9123	36.4932	7.44	0.000819
1	1	3	2011	3	12	1.8694	68.220	6.8800	4.9123	36.4932	7.05	0.000002
1	1	3	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2011	3	14	0.3630	10.893	7.2800	5.1979	30.0117	32.28	0.000028
1	1	3	2011	3	15	0.2334	11.271	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2011	3	16	2.9676	133.705	6.6500	4.7481	45.0549	12.93	0.008198
1	1	3	2011	3	17	3.1252	147.674	6.6500	4.7481	47.2522	11.65	0.002544
1	1	3	2011	3	18	4.3181	244.762	6.6500	4.7481	56.6821	10.18	0.002699
1	1	3	2011	3	19	4.6686	264.625	6.6500	4.7481	56.6821	9.86	0.001293
1	1	3	2011	3	20	5.4047	350.011	6.6500	4.7481	64.7605	8.70	0.006032
1	1	3	2011	3	21	6.6776	432.444	6.6500	4.7481	64.7605	7.53	0.008655

1	1	3	2011	3	22	7.5387	981.710	6.6500	4.7481	130.2221	6.58	0.010278
1	1	3	2011	3	23	9.0212	1784.527	6.6500	4.7481	197.8148	6.28	0.036527
1	1	3	2011	3	24	1.6446	14.115	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2011	3	25	3.0820	83.923	6.8800	4.9123	27.2301	6.43	0.000303
1	1	3	2011	3	26	15.8834	1552.425	6.6500	4.7481	97.7390	4.34	0.003655
1	1	3	2011	3	27	10.9774	298.916	6.6500	4.7481	27.2301	6.19	0.007008
1	1	3	2011	3	28	0.8094	35.593	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	4	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	4	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	4	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	4	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	4	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	4	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	4	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	4	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	4	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	4	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	4	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	4	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	4	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	4	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	4	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	4	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	4	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	4	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	4	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	4	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	4	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	4	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	4	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2011	1	1	0.8142	24.437	7.2800	5.3799	30.0117	24.09	0.281246
1	1	4	2011	1	2	0.4746	19.079	8.0600	5.7548	40.1957	18.52	0.101405
1	1	4	2011	1	3	0.5322	21.392	8.0600	5.7548	40.1957	18.52	0.337320
1	1	4	2011	1	4	1.2505	47.288	8.0600	5.7548	37.8166	14.25	0.103547
1	1	4	2011	1	5	1.3627	51.534	8.0600	5.7548	37.8166	14.25	0.047578
1	1	4	2011	1	6	1.5229	57.520	6.8800	4.9123	37.7707	10.10	0.027524
1	1	4	2011	1	7	1.5240	57.564	6.8800	4.9123	37.7707	9.36	0.000969
1	1	4	2011	1	8	1.3514	49.317	6.8800	4.9123	36.4932	9.33	0.000281
1	1	4	2011	1	9	1.5024	54.828	6.8800	4.9123	36.4931	8.00	0.000959
1	1	4	2011	1	10	1.4957	54.582	6.8800	4.9123	36.4932	8.12	0.001996
1	1	4	2011	1	11	1.6440	59.994	6.8800	4.9123	36.4932	7.44	0.000819
1	1	4	2011	1	12	1.7319	63.204	6.8800	4.9123	36.4932	7.05	0.000002

1	1	4	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2011	1	14	0.2593	7.781	7.2800	5.1979	30.0117	32.28	0.000028
1	1	4	2011	1	15	0.1967	9.499	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2011	1	16	0.3538	15.942	6.6500	4.7481	45.0549	12.93	0.008198
1	1	4	2011	1	17	0.3861	18.242	6.6500	4.7481	47.2522	11.65	0.002544
1	1	4	2011	1	18	0.5041	28.576	6.6500	4.7481	56.6821	10.18	0.002699
1	1	4	2011	1	19	0.5590	31.685	6.6500	4.7481	56.6821	9.86	0.001293
1	1	4	2011	1	20	0.6611	42.810	6.6500	4.7481	64.7605	8.70	0.006032
1	1	4	2011	1	21	0.8093	52.409	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2011	1	22	0.8463	110.210	6.6500	4.7481	130.2221	6.58	0.010278
1	1	4	2011	1	23	0.9965	197.129	6.6500	4.7481	197.8148	6.28	0.036527
1	1	4	2011	1	24	4.7431	40.706	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2011	1	25	2.7839	75.806	6.8800	4.9123	27.2301	6.43	0.000303
1	1	4	2011	1	26	0.7731	75.567	6.6500	4.7481	97.7390	4.34	0.003655
1	1	4	2011	1	27	1.1965	32.580	6.6500	4.7481	27.2301	6.19	0.007008
1	1	4	2011	1	28	0.6812	29.955	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2011	2	1	14.7800	443.573	7.2800	5.3799	30.0117	24.09	0.281246
1	1	4	2011	2	2	12.0697	485.150	8.0600	5.7548	40.1957	18.52	0.101405
1	1	4	2011	2	3	12.7503	512.507	8.0600	5.7548	40.1957	18.52	0.337320
1	1	4	2011	2	4	19.2291	727.178	8.0600	5.7548	37.8166	14.25	0.103547
1	1	4	2011	2	5	19.5576	739.601	8.0600	5.7548	37.8166	14.25	0.047578
1	1	4	2011	2	6	22.0194	831.690	6.8800	4.9123	37.7707	10.10	0.027524
1	1	4	2011	2	7	24.4376	923.024	6.8800	4.9123	37.7707	9.36	0.000969
1	1	4	2011	2	8	23.6245	862.134	6.8800	4.9123	36.4932	9.33	0.000281
1	1	4	2011	2	9	27.5320	1004.729	6.8800	4.9123	36.4931	8.00	0.000959
1	1	4	2011	2	10	27.2786	995.482	6.8800	4.9123	36.4932	8.12	0.001996
1	1	4	2011	2	11	32.3343	1179.980	6.8800	4.9123	36.4932	7.44	0.000819
1	1	4	2011	2	12	34.4624	1257.643	6.8800	4.9123	36.4932	7.05	0.000002
1	1	4	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2011	2	14	1.8102	54.329	7.2800	5.1979	30.0117	32.28	0.000028
1	1	4	2011	2	15	0.8289	40.023	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2011	2	16	1.6429	74.020	6.6500	4.7481	45.0549	12.93	0.008198
1	1	4	2011	2	17	1.7445	82.431	6.6500	4.7481	47.2522	11.65	0.002544
1	1	4	2011	2	18	2.4660	139.777	6.6500	4.7481	56.6821	10.18	0.002699
1	1	4	2011	2	19	2.6600	150.775	6.6500	4.7481	56.6821	9.86	0.001293
1	1	4	2011	2	20	2.5524	165.293	6.6500	4.7481	64.7605	8.70	0.006032
1	1	4	2011	2	21	3.1422	203.491	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2011	2	22	4.1044	534.486	6.6500	4.7481	130.2221	6.58	0.010278
1	1	4	2011	2	23	5.1738	1023.453	6.6500	4.7481	197.8148	6.28	0.036527
1	1	4	2011	2	24	37.5292	322.084	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2011	2	25	39.2558	1068.941	6.8800	4.9123	27.2301	6.43	0.000303
1	1	4	2011	2	26	8.0415	785.966	6.6500	4.7481	97.7390	4.34	0.003655
1	1	4	2011	2	27	4.8643	132.457	6.6500	4.7481	27.2301	6.19	0.007008
1	1	4	2011	2	28	1.3806	60.712	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2011	3	1	0.7083	21.257	7.2800	5.3799	30.0117	24.09	0.281246
1	1	4	2011	3	2	0.5060	20.339	8.0600	5.7548	40.1957	18.52	0.101405
1	1	4	2011	3	3	0.7686	30.895	8.0600	5.7548	40.1957	18.52	0.337320

1	1	4	2011	3	4	1.4531	54.950	8.0600	5.7548	37.8166	14.25	0.103547
1	1	4	2011	3	5	1.9824	74.968	8.0600	5.7548	37.8166	14.25	0.047578
1	1	4	2011	3	6	1.4929	56.389	6.8800	4.9123	37.7707	10.10	0.027524
1	1	4	2011	3	7	1.5784	59.617	6.8800	4.9123	37.7707	9.36	0.000969
1	1	4	2011	3	8	1.3934	50.851	6.8800	4.9123	36.4932	9.33	0.000281
1	1	4	2011	3	9	1.6169	59.005	6.8800	4.9123	36.4931	8.00	0.000959
1	1	4	2011	3	10	1.6065	58.627	6.8800	4.9123	36.4932	8.12	0.001996
1	1	4	2011	3	11	1.7717	64.655	6.8800	4.9123	36.4932	7.44	0.000819
1	1	4	2011	3	12	1.8916	69.029	6.8800	4.9123	36.4932	7.05	0.000002
1	1	4	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2011	3	14	0.3478	10.439	7.2800	5.1979	30.0117	32.28	0.000028
1	1	4	2011	3	15	0.2236	10.798	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2011	3	16	2.8400	127.956	6.6500	4.7481	45.0549	12.93	0.008198
1	1	4	2011	3	17	2.9909	141.324	6.6500	4.7481	47.2522	11.65	0.002544
1	1	4	2011	3	18	4.1325	234.237	6.6500	4.7481	56.6821	10.18	0.002699
1	1	4	2011	3	19	4.4678	253.246	6.6500	4.7481	56.6821	9.86	0.001293
1	1	4	2011	3	20	5.1697	334.792	6.6500	4.7481	64.7605	8.70	0.006032
1	1	4	2011	3	21	6.3872	413.640	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2011	3	22	7.2191	940.083	6.6500	4.7481	130.2221	6.58	0.010278
1	1	4	2011	3	23	8.6435	1709.808	6.6500	4.7481	197.8148	6.28	0.036527
1	1	4	2011	3	24	1.6221	13.921	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2011	3	25	3.1186	84.919	6.8800	4.9123	27.2301	6.43	0.000303
1	1	4	2011	3	26	15.1882	1484.485	6.6500	4.7481	97.7390	4.34	0.003655
1	1	4	2011	3	27	10.4972	285.840	6.6500	4.7481	27.2301	6.19	0.007008
1	1	4	2011	3	28	0.7754	34.099	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	5	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	5	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	5	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	5	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	5	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	5	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	5	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	5	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	5	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	5	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	5	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	5	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	5	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	5	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	5	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	5	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	5	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	5	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278

1	1	5	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	5	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	5	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	5	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	5	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2011	1	1	0.7288	21.874	7.2800	5.3799	30.0117	24.09	0.281246
1	1	5	2011	1	2	0.4272	17.171	8.0600	5.7548	40.1957	18.52	0.101405
1	1	5	2011	1	3	0.4813	19.345	8.0600	5.7548	40.1957	18.52	0.337320
1	1	5	2011	1	4	1.1326	42.833	8.0600	5.7548	37.8166	14.25	0.103547
1	1	5	2011	1	5	1.2376	46.802	8.0600	5.7548	37.8166	14.25	0.047578
1	1	5	2011	1	6	1.3689	51.703	6.8800	4.9123	37.7707	10.10	0.027524
1	1	5	2011	1	7	1.3699	51.744	6.8800	4.9123	37.7707	9.36	0.000969
1	1	5	2011	1	8	1.2182	44.454	6.8800	4.9123	36.4932	9.33	0.000281
1	1	5	2011	1	9	1.3576	49.543	6.8800	4.9123	36.4931	8.00	0.000959
1	1	5	2011	1	10	1.3514	49.315	6.8800	4.9123	36.4932	8.12	0.001996
1	1	5	2011	1	11	1.4883	54.313	6.8800	4.9123	36.4932	7.44	0.000819
1	1	5	2011	1	12	1.5695	57.277	6.8800	4.9123	36.4932	7.05	0.000002
1	1	5	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2011	1	14	0.2500	7.502	7.2800	5.1979	30.0117	32.28	0.000028
1	1	5	2011	1	15	0.1894	9.146	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2011	1	16	0.3383	15.244	6.6500	4.7481	45.0549	12.93	0.008198
1	1	5	2011	1	17	0.3692	17.444	6.6500	4.7481	47.2522	11.65	0.002544
1	1	5	2011	1	18	0.4821	27.326	6.6500	4.7481	56.6821	10.18	0.002699
1	1	5	2011	1	19	0.5345	30.299	6.6500	4.7481	56.6821	9.86	0.001293
1	1	5	2011	1	20	0.6321	40.937	6.6500	4.7481	64.7605	8.70	0.006032
1	1	5	2011	1	21	0.7739	50.116	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2011	1	22	0.8093	105.388	6.6500	4.7481	130.2221	6.58	0.010278
1	1	5	2011	1	23	0.9529	188.503	6.6500	4.7481	197.8148	6.28	0.036527
1	1	5	2011	1	24	4.3042	36.939	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2011	1	25	2.5019	68.127	6.8800	4.9123	27.2301	6.43	0.000303
1	1	5	2011	1	26	0.7393	72.260	6.6500	4.7481	97.7390	4.34	0.003655
1	1	5	2011	1	27	1.1441	31.154	6.6500	4.7481	27.2301	6.19	0.007008
1	1	5	2011	1	28	0.6560	28.849	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2011	2	1	14.1752	425.421	7.2800	5.3799	30.0117	24.09	0.281246
1	1	5	2011	2	2	11.5826	465.569	8.0600	5.7548	40.1957	18.52	0.101405
1	1	5	2011	2	3	12.2351	491.798	8.0600	5.7548	40.1957	18.52	0.337320
1	1	5	2011	2	4	18.3333	693.306	8.0600	5.7548	37.8166	14.25	0.103547
1	1	5	2011	2	5	18.6514	705.334	8.0600	5.7548	37.8166	14.25	0.047578
1	1	5	2011	2	6	20.3922	770.228	6.8800	4.9123	37.7707	10.10	0.027524
1	1	5	2011	2	7	22.6317	854.814	6.8800	4.9123	37.7707	9.36	0.000969
1	1	5	2011	2	8	21.8787	798.423	6.8800	4.9123	36.4932	9.33	0.000281
1	1	5	2011	2	9	25.4974	930.480	6.8800	4.9123	36.4931	8.00	0.000959
1	1	5	2011	2	10	25.2627	921.917	6.8800	4.9123	36.4932	8.12	0.001996
1	1	5	2011	2	11	29.9448	1092.781	6.8800	4.9123	36.4932	7.44	0.000819
1	1	5	2011	2	12	31.9157	1164.704	6.8800	4.9123	36.4932	7.05	0.000002
1	1	5	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	5	2011	2	14	1.7095	51.304	7.2800	5.1979	30.0117	32.28	0.000028
1	1	5	2011	2	15	0.7810	37.709	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2011	2	16	1.5322	69.031	6.6500	4.7481	45.0549	12.93	0.008198
1	1	5	2011	2	17	1.6269	76.875	6.6500	4.7481	47.2522	11.65	0.002544
1	1	5	2011	2	18	2.2998	130.356	6.6500	4.7481	56.6821	10.18	0.002699
1	1	5	2011	2	19	2.4807	140.613	6.6500	4.7481	56.6821	9.86	0.001293
1	1	5	2011	2	20	2.3804	154.153	6.6500	4.7481	64.7605	8.70	0.006032
1	1	5	2011	2	21	2.9304	189.776	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2011	2	22	3.8278	498.462	6.6500	4.7481	130.2221	6.58	0.010278
1	1	5	2011	2	23	4.8251	954.473	6.6500	4.7481	197.8148	6.28	0.036527
1	1	5	2011	2	24	33.1417	284.430	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2011	2	25	36.3548	989.947	6.8800	4.9123	27.2301	6.43	0.000303
1	1	5	2011	2	26	7.4995	732.993	6.6500	4.7481	97.7390	4.34	0.003655
1	1	5	2011	2	27	4.5365	123.529	6.6500	4.7481	27.2301	6.19	0.007008
1	1	5	2011	2	28	1.3026	57.281	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2011	3	1	0.6832	20.504	7.2800	5.3799	30.0117	24.09	0.281246
1	1	5	2011	3	2	0.4874	19.592	8.0600	5.7548	40.1957	18.52	0.101405
1	1	5	2011	3	3	0.7414	29.801	8.0600	5.7548	40.1957	18.52	0.337320
1	1	5	2011	3	4	1.4040	53.093	8.0600	5.7548	37.8166	14.25	0.103547
1	1	5	2011	3	5	1.9179	72.530	8.0600	5.7548	37.8166	14.25	0.047578
1	1	5	2011	3	6	1.5061	56.885	6.8800	4.9123	37.7707	10.10	0.027524
1	1	5	2011	3	7	1.5923	60.141	6.8800	4.9123	37.7707	9.36	0.000969
1	1	5	2011	3	8	1.4057	51.298	6.8800	4.9123	36.4932	9.33	0.000281
1	1	5	2011	3	9	1.6311	59.524	6.8800	4.9123	36.4931	8.00	0.000959
1	1	5	2011	3	10	1.6207	59.143	6.8800	4.9123	36.4932	8.12	0.001996
1	1	5	2011	3	11	1.7873	65.224	6.8800	4.9123	36.4932	7.44	0.000819
1	1	5	2011	3	12	1.9082	69.637	6.8800	4.9123	36.4932	7.05	0.000002
1	1	5	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2011	3	14	0.3365	10.098	7.2800	5.1979	30.0117	32.28	0.000028
1	1	5	2011	3	15	0.2163	10.443	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2011	3	16	2.7443	123.644	6.6500	4.7481	45.0549	12.93	0.008198
1	1	5	2011	3	17	2.8901	136.562	6.6500	4.7481	47.2522	11.65	0.002544
1	1	5	2011	3	18	3.9932	226.343	6.6500	4.7481	56.6821	10.18	0.002699
1	1	5	2011	3	19	4.3173	244.711	6.6500	4.7481	56.6821	9.86	0.001293
1	1	5	2011	3	20	4.9935	323.379	6.6500	4.7481	64.7605	8.70	0.006032
1	1	5	2011	3	21	6.1695	399.538	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2011	3	22	6.9793	908.862	6.6500	4.7481	130.2221	6.58	0.010278
1	1	5	2011	3	23	8.3602	1653.769	6.6500	4.7481	197.8148	6.28	0.036527
1	1	5	2011	3	24	1.6052	13.776	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2011	3	25	3.1460	85.666	6.8800	4.9123	27.2301	6.43	0.000303
1	1	5	2011	3	26	14.6669	1433.529	6.6500	4.7481	97.7390	4.34	0.003655
1	1	5	2011	3	27	10.1370	276.032	6.6500	4.7481	27.2301	6.19	0.007008
1	1	5	2011	3	28	0.7500	32.979	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	6	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	6	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	6	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547

1	1	6	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	6	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	6	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	6	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	6	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	6	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	6	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	6	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	6	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	6	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	6	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	6	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	6	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	6	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	6	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	6	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	6	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	6	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	6	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	6	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2011	1	1	0.6624	19.880	7.2800	5.3799	30.0117	24.09	0.281246
1	1	6	2011	1	2	0.3903	15.686	8.0600	5.7548	40.1957	18.52	0.101405
1	1	6	2011	1	3	0.4417	17.754	8.0600	5.7548	40.1957	18.52	0.337320
1	1	6	2011	1	4	1.0410	39.367	8.0600	5.7548	37.8166	14.25	0.103547
1	1	6	2011	1	5	1.1403	43.121	8.0600	5.7548	37.8166	14.25	0.047578
1	1	6	2011	1	6	1.2491	47.179	6.8800	4.9123	37.7707	10.10	0.027524
1	1	6	2011	1	7	1.2501	47.217	6.8800	4.9123	37.7707	9.36	0.000969
1	1	6	2011	1	8	1.1145	40.672	6.8800	4.9123	36.4932	9.33	0.000281
1	1	6	2011	1	9	1.2449	45.432	6.8800	4.9123	36.4931	8.00	0.000959
1	1	6	2011	1	10	1.2391	45.219	6.8800	4.9123	36.4932	8.12	0.001996
1	1	6	2011	1	11	1.3672	49.894	6.8800	4.9123	36.4932	7.44	0.000819
1	1	6	2011	1	12	1.4432	52.666	6.8800	4.9123	36.4932	7.05	0.000002
1	1	6	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2011	1	14	0.2427	7.285	7.2800	5.1979	30.0117	32.28	0.000028
1	1	6	2011	1	15	0.1837	8.871	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2011	1	16	0.3263	14.701	6.6500	4.7481	45.0549	12.93	0.008198
1	1	6	2011	1	17	0.3560	16.823	6.6500	4.7481	47.2522	11.65	0.002544
1	1	6	2011	1	18	0.4649	26.353	6.6500	4.7481	56.6821	10.18	0.002699
1	1	6	2011	1	19	0.5155	29.220	6.6500	4.7481	56.6821	9.86	0.001293
1	1	6	2011	1	20	0.6096	39.480	6.6500	4.7481	64.7605	8.70	0.006032
1	1	6	2011	1	21	0.7463	48.332	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2011	1	22	0.7805	101.637	6.6500	4.7481	130.2221	6.58	0.010278
1	1	6	2011	1	23	0.9190	181.794	6.6500	4.7481	197.8148	6.28	0.036527

1	1	6	2011	1	24	3.9628	34.010	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2011	1	25	2.2826	62.155	6.8800	4.9123	27.2301	6.43	0.000303
1	1	6	2011	1	26	0.7130	69.688	6.6500	4.7481	97.7390	4.34	0.003655
1	1	6	2011	1	27	1.1034	30.046	6.6500	4.7481	27.2301	6.19	0.007008
1	1	6	2011	1	28	0.6365	27.988	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2011	2	1	13.7047	411.303	7.2800	5.3799	30.0117	24.09	0.281246
1	1	6	2011	2	2	11.2037	450.339	8.0600	5.7548	40.1957	18.52	0.101405
1	1	6	2011	2	3	11.8344	475.692	8.0600	5.7548	40.1957	18.52	0.337320
1	1	6	2011	2	4	17.6367	666.960	8.0600	5.7548	37.8166	14.25	0.103547
1	1	6	2011	2	5	17.9466	678.682	8.0600	5.7548	37.8166	14.25	0.047578
1	1	6	2011	2	6	19.1266	722.425	6.8800	4.9123	37.7707	10.10	0.027524
1	1	6	2011	2	7	21.2271	801.761	6.8800	4.9123	37.7707	9.36	0.000969
1	1	6	2011	2	8	20.5208	748.870	6.8800	4.9123	36.4932	9.33	0.000281
1	1	6	2011	2	9	23.9149	872.731	6.8800	4.9123	36.4931	8.00	0.000959
1	1	6	2011	2	10	23.6948	864.699	6.8800	4.9123	36.4932	8.12	0.001996
1	1	6	2011	2	11	28.0863	1024.959	6.8800	4.9123	36.4932	7.44	0.000819
1	1	6	2011	2	12	29.9349	1092.419	6.8800	4.9123	36.4932	7.05	0.000002
1	1	6	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2011	2	14	1.6311	48.952	7.2800	5.1979	30.0117	32.28	0.000028
1	1	6	2011	2	15	0.7437	35.909	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2011	2	16	1.4460	65.151	6.6500	4.7481	45.0549	12.93	0.008198
1	1	6	2011	2	17	1.5355	72.554	6.6500	4.7481	47.2522	11.65	0.002544
1	1	6	2011	2	18	2.1705	123.029	6.6500	4.7481	56.6821	10.18	0.002699
1	1	6	2011	2	19	2.3413	132.709	6.6500	4.7481	56.6821	9.86	0.001293
1	1	6	2011	2	20	2.2466	145.488	6.6500	4.7481	64.7605	8.70	0.006032
1	1	6	2011	2	21	2.7657	179.108	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2011	2	22	3.6126	470.443	6.6500	4.7481	130.2221	6.58	0.010278
1	1	6	2011	2	23	4.5539	900.822	6.6500	4.7481	197.8148	6.28	0.036527
1	1	6	2011	2	24	29.7292	255.143	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2011	2	25	34.0985	928.508	6.8800	4.9123	27.2301	6.43	0.000303
1	1	6	2011	2	26	7.0779	691.791	6.6500	4.7481	97.7390	4.34	0.003655
1	1	6	2011	2	27	4.2815	116.585	6.6500	4.7481	27.2301	6.19	0.007008
1	1	6	2011	2	28	1.2419	54.612	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2011	3	1	0.6637	19.919	7.2800	5.3799	30.0117	24.09	0.281246
1	1	6	2011	3	2	0.4730	19.012	8.0600	5.7548	40.1957	18.52	0.101405
1	1	6	2011	3	3	0.7202	28.950	8.0600	5.7548	40.1957	18.52	0.337320
1	1	6	2011	3	4	1.3658	51.649	8.0600	5.7548	37.8166	14.25	0.103547
1	1	6	2011	3	5	1.8678	70.634	8.0600	5.7548	37.8166	14.25	0.047578
1	1	6	2011	3	6	1.5163	57.271	6.8800	4.9123	37.7707	10.10	0.027524
1	1	6	2011	3	7	1.6031	60.549	6.8800	4.9123	37.7707	9.36	0.000969
1	1	6	2011	3	8	1.4152	51.646	6.8800	4.9123	36.4932	9.33	0.000281
1	1	6	2011	3	9	1.6422	59.928	6.8800	4.9123	36.4931	8.00	0.000959
1	1	6	2011	3	10	1.6316	59.544	6.8800	4.9123	36.4932	8.12	0.001996
1	1	6	2011	3	11	1.7994	65.667	6.8800	4.9123	36.4932	7.44	0.000819
1	1	6	2011	3	12	1.9212	70.109	6.8800	4.9123	36.4932	7.05	0.000002
1	1	6	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2011	3	14	0.3277	9.833	7.2800	5.1979	30.0117	32.28	0.000028

1	1	6	2011	3	15	0.2106	10.167	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2011	3	16	2.6698	120.290	6.6500	4.7481	45.0549	12.93	0.008198
1	1	6	2011	3	17	2.8117	132.857	6.6500	4.7481	47.2522	11.65	0.002544
1	1	6	2011	3	18	3.8849	220.203	6.6500	4.7481	56.6821	10.18	0.002699
1	1	6	2011	3	19	4.2002	238.074	6.6500	4.7481	56.6821	9.86	0.001293
1	1	6	2011	3	20	4.8564	314.501	6.6500	4.7481	64.7605	8.70	0.006032
1	1	6	2011	3	21	6.0001	388.569	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2011	3	22	6.7929	884.580	6.6500	4.7481	130.2221	6.58	0.010278
1	1	6	2011	3	23	8.1399	1610.183	6.6500	4.7481	197.8148	6.28	0.036527
1	1	6	2011	3	24	1.5921	13.664	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2011	3	25	3.1673	86.247	6.8800	4.9123	27.2301	6.43	0.000303
1	1	6	2011	3	26	14.2614	1393.896	6.6500	4.7481	97.7390	4.34	0.003655
1	1	6	2011	3	27	9.8569	268.405	6.6500	4.7481	27.2301	6.19	0.007008
1	1	6	2011	3	28	0.7301	32.108	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	7	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	7	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	7	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	7	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	7	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	7	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	7	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	7	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	7	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	7	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	7	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	7	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	7	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	7	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	7	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	7	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	7	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	7	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	7	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	7	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	7	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	7	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	7	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2011	1	1	0.6093	18.285	7.2800	5.3799	30.0117	24.09	0.281246
1	1	7	2011	1	2	0.3607	14.499	8.0600	5.7548	40.1957	18.52	0.101405
1	1	7	2011	1	3	0.4100	16.480	8.0600	5.7548	40.1957	18.52	0.337320
1	1	7	2011	1	4	0.9677	36.595	8.0600	5.7548	37.8166	14.25	0.103547
1	1	7	2011	1	5	1.0624	40.176	8.0600	5.7548	37.8166	14.25	0.047578

1	1	7	2011	1	6	1.1533	43.560	6.8800	4.9123	37.7707	10.10	0.027524
1	1	7	2011	1	7	1.1542	43.595	6.8800	4.9123	37.7707	9.36	0.000969
1	1	7	2011	1	8	1.0316	37.646	6.8800	4.9123	36.4932	9.33	0.000281
1	1	7	2011	1	9	1.1548	42.143	6.8800	4.9123	36.4931	8.00	0.000959
1	1	7	2011	1	10	1.1493	41.942	6.8800	4.9123	36.4932	8.12	0.001996
1	1	7	2011	1	11	1.2703	46.359	6.8800	4.9123	36.4932	7.44	0.000819
1	1	7	2011	1	12	1.3421	48.978	6.8800	4.9123	36.4932	7.05	0.000002
1	1	7	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2011	1	14	0.2370	7.112	7.2800	5.1979	30.0117	32.28	0.000028
1	1	7	2011	1	15	0.1792	8.651	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2011	1	16	0.3167	14.267	6.6500	4.7481	45.0549	12.93	0.008198
1	1	7	2011	1	17	0.3455	16.327	6.6500	4.7481	47.2522	11.65	0.002544
1	1	7	2011	1	18	0.4512	25.575	6.6500	4.7481	56.6821	10.18	0.002699
1	1	7	2011	1	19	0.5003	28.358	6.6500	4.7481	56.6821	9.86	0.001293
1	1	7	2011	1	20	0.5916	38.314	6.6500	4.7481	64.7605	8.70	0.006032
1	1	7	2011	1	21	0.7243	46.905	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2011	1	22	0.7574	98.636	6.6500	4.7481	130.2221	6.58	0.010278
1	1	7	2011	1	23	0.8919	176.427	6.6500	4.7481	197.8148	6.28	0.036527
1	1	7	2011	1	24	3.6897	31.666	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2011	1	25	2.1071	57.377	6.8800	4.9123	27.2301	6.43	0.000303
1	1	7	2011	1	26	0.6920	67.631	6.6500	4.7481	97.7390	4.34	0.003655
1	1	7	2011	1	27	1.0708	29.159	6.6500	4.7481	27.2301	6.19	0.007008
1	1	7	2011	1	28	0.6208	27.299	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2011	2	1	13.3284	400.008	7.2800	5.3799	30.0117	24.09	0.281246
1	1	7	2011	2	2	10.9006	438.156	8.0600	5.7548	40.1957	18.52	0.101405
1	1	7	2011	2	3	11.5138	462.806	8.0600	5.7548	40.1957	18.52	0.337320
1	1	7	2011	2	4	17.0794	645.884	8.0600	5.7548	37.8166	14.25	0.103547
1	1	7	2011	2	5	17.3828	657.360	8.0600	5.7548	37.8166	14.25	0.047578
1	1	7	2011	2	6	18.1141	684.183	6.8800	4.9123	37.7707	10.10	0.027524
1	1	7	2011	2	7	20.1034	759.319	6.8800	4.9123	37.7707	9.36	0.000969
1	1	7	2011	2	8	19.4345	709.228	6.8800	4.9123	36.4932	9.33	0.000281
1	1	7	2011	2	9	22.6490	826.532	6.8800	4.9123	36.4931	8.00	0.000959
1	1	7	2011	2	10	22.4405	818.925	6.8800	4.9123	36.4932	8.12	0.001996
1	1	7	2011	2	11	26.5996	970.701	6.8800	4.9123	36.4932	7.44	0.000819
1	1	7	2011	2	12	28.3503	1034.590	6.8800	4.9123	36.4932	7.05	0.000002
1	1	7	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2011	2	14	1.5684	47.071	7.2800	5.1979	30.0117	32.28	0.000028
1	1	7	2011	2	15	0.7139	34.469	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2011	2	16	1.3771	62.047	6.6500	4.7481	45.0549	12.93	0.008198
1	1	7	2011	2	17	1.4623	69.097	6.6500	4.7481	47.2522	11.65	0.002544
1	1	7	2011	2	18	2.0671	117.167	6.6500	4.7481	56.6821	10.18	0.002699
1	1	7	2011	2	19	2.2297	126.386	6.6500	4.7481	56.6821	9.86	0.001293
1	1	7	2011	2	20	2.1395	138.556	6.6500	4.7481	64.7605	8.70	0.006032
1	1	7	2011	2	21	2.6339	170.575	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2011	2	22	3.4405	448.028	6.6500	4.7481	130.2221	6.58	0.010278
1	1	7	2011	2	23	4.3369	857.901	6.6500	4.7481	197.8148	6.28	0.036527
1	1	7	2011	2	24	26.9992	231.713	1.3500	0.9639	8.5822	50.00	0.002374

1	1	7	2011	2	25	32.2935	879.356	6.8800	4.9123	27.2301	6.43	0.000303
1	1	7	2011	2	26	6.7407	658.830	6.6500	4.7481	97.7390	4.34	0.003655
1	1	7	2011	2	27	4.0775	111.031	6.6500	4.7481	27.2301	6.19	0.007008
1	1	7	2011	2	28	1.1934	52.477	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2011	3	1	0.6481	19.450	7.2800	5.3799	30.0117	24.09	0.281246
1	1	7	2011	3	2	0.4614	18.547	8.0600	5.7548	40.1957	18.52	0.101405
1	1	7	2011	3	3	0.7033	28.269	8.0600	5.7548	40.1957	18.52	0.337320
1	1	7	2011	3	4	1.3352	50.494	8.0600	5.7548	37.8166	14.25	0.103547
1	1	7	2011	3	5	1.8277	69.117	8.0600	5.7548	37.8166	14.25	0.047578
1	1	7	2011	3	6	1.5244	57.579	6.8800	4.9123	37.7707	10.10	0.027524
1	1	7	2011	3	7	1.6117	60.875	6.8800	4.9123	37.7707	9.36	0.000969
1	1	7	2011	3	8	1.4228	51.924	6.8800	4.9123	36.4932	9.33	0.000281
1	1	7	2011	3	9	1.6510	60.251	6.8800	4.9123	36.4931	8.00	0.000959
1	1	7	2011	3	10	1.6404	59.865	6.8800	4.9123	36.4932	8.12	0.001996
1	1	7	2011	3	11	1.8091	66.020	6.8800	4.9123	36.4932	7.44	0.000819
1	1	7	2011	3	12	1.9315	70.487	6.8800	4.9123	36.4932	7.05	0.000002
1	1	7	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2011	3	14	0.3206	9.621	7.2800	5.1979	30.0117	32.28	0.000028
1	1	7	2011	3	15	0.2060	9.947	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2011	3	16	2.6103	117.607	6.6500	4.7481	45.0549	12.93	0.008198
1	1	7	2011	3	17	2.7490	129.894	6.6500	4.7481	47.2522	11.65	0.002544
1	1	7	2011	3	18	3.7982	215.292	6.6500	4.7481	56.6821	10.18	0.002699
1	1	7	2011	3	19	4.1065	232.763	6.6500	4.7481	56.6821	9.86	0.001293
1	1	7	2011	3	20	4.7467	307.399	6.6500	4.7481	64.7605	8.70	0.006032
1	1	7	2011	3	21	5.8646	379.794	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2011	3	22	6.6437	865.154	6.6500	4.7481	130.2221	6.58	0.010278
1	1	7	2011	3	23	7.9636	1575.315	6.6500	4.7481	197.8148	6.28	0.036527
1	1	7	2011	3	24	1.5816	13.574	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2011	3	25	3.1844	86.712	6.8800	4.9123	27.2301	6.43	0.000303
1	1	7	2011	3	26	13.9370	1362.191	6.6500	4.7481	97.7390	4.34	0.003655
1	1	7	2011	3	27	9.6328	262.302	6.6500	4.7481	27.2301	6.19	0.007008
1	1	7	2011	3	28	0.7143	31.411	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	8	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	8	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	8	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	8	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	8	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	8	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	8	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	8	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	8	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	8	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	8	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	8	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	8	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518

1	1	8	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	8	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	8	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	8	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	8	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	8	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	8	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	8	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	8	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	8	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	8	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2011	1	1	0.5771	17.319	7.2800	5.3799	30.0117	24.09	0.281246
1	1	8	2011	1	2	0.3414	13.722	8.0600	5.7548	40.1957	18.52	0.101405
1	1	8	2011	1	3	0.3885	15.614	8.0600	5.7548	40.1957	18.52	0.337320
1	1	8	2011	1	4	0.9166	34.663	8.0600	5.7548	37.8166	14.25	0.103547
1	1	8	2011	1	5	1.0066	38.066	8.0600	5.7548	37.8166	14.25	0.047578
1	1	8	2011	1	6	1.0589	39.996	6.8800	4.9123	37.7707	10.10	0.027524
1	1	8	2011	1	7	1.0598	40.029	6.8800	4.9123	37.7707	9.36	0.000969
1	1	8	2011	1	8	0.9481	34.600	6.8800	4.9123	36.4932	9.33	0.000281
1	1	8	2011	1	9	1.0607	38.708	6.8800	4.9123	36.4931	8.00	0.000959
1	1	8	2011	1	10	1.0557	38.525	6.8800	4.9123	36.4932	8.12	0.001996
1	1	8	2011	1	11	1.1662	42.559	6.8800	4.9123	36.4932	7.44	0.000819
1	1	8	2011	1	12	1.2318	44.952	6.8800	4.9123	36.4932	7.05	0.000002
1	1	8	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2011	1	14	0.2267	6.805	7.2800	5.1979	30.0117	32.28	0.000028
1	1	8	2011	1	15	0.1711	8.262	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2011	1	16	0.2996	13.499	6.6500	4.7481	45.0549	12.93	0.008198
1	1	8	2011	1	17	0.3269	15.447	6.6500	4.7481	47.2522	11.65	0.002544
1	1	8	2011	1	18	0.4269	24.198	6.6500	4.7481	56.6821	10.18	0.002699
1	1	8	2011	1	19	0.4733	26.830	6.6500	4.7481	56.6821	9.86	0.001293
1	1	8	2011	1	20	0.5598	36.251	6.6500	4.7481	64.7605	8.70	0.006032
1	1	8	2011	1	21	0.6853	44.379	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2011	1	22	0.7167	93.324	6.6500	4.7481	130.2221	6.58	0.010278
1	1	8	2011	1	23	0.8438	166.925	6.6500	4.7481	197.8148	6.28	0.036527
1	1	8	2011	1	24	3.4610	29.703	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2011	1	25	1.9315	52.596	6.8800	4.9123	27.2301	6.43	0.000303
1	1	8	2011	1	26	0.6547	63.988	6.6500	4.7481	97.7390	4.34	0.003655
1	1	8	2011	1	27	1.0131	27.588	6.6500	4.7481	27.2301	6.19	0.007008
1	1	8	2011	1	28	0.5931	26.080	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2011	2	1	13.0605	391.968	7.2800	5.3799	30.0117	24.09	0.281246
1	1	8	2011	2	2	10.6709	428.926	8.0600	5.7548	40.1957	18.52	0.101405
1	1	8	2011	2	3	11.2736	453.151	8.0600	5.7548	40.1957	18.52	0.337320
1	1	8	2011	2	4	16.6696	630.390	8.0600	5.7548	37.8166	14.25	0.103547
1	1	8	2011	2	5	16.9686	641.694	8.0600	5.7548	37.8166	14.25	0.047578
1	1	8	2011	2	6	16.6465	628.751	6.8800	4.9123	37.7707	10.10	0.027524

1	1	8	2011	2	7	18.4746	697.799	6.8800	4.9123	37.7707	9.36	0.000969
1	1	8	2011	2	8	17.8600	651.767	6.8800	4.9123	36.4932	9.33	0.000281
1	1	8	2011	2	9	20.8140	759.567	6.8800	4.9123	36.4931	8.00	0.000959
1	1	8	2011	2	10	20.6224	752.576	6.8800	4.9123	36.4932	8.12	0.001996
1	1	8	2011	2	11	24.4445	892.056	6.8800	4.9123	36.4932	7.44	0.000819
1	1	8	2011	2	12	26.0533	950.768	6.8800	4.9123	36.4932	7.05	0.000002
1	1	8	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2011	2	14	1.4733	44.215	7.2800	5.1979	30.0117	32.28	0.000028
1	1	8	2011	2	15	0.6686	32.284	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2011	2	16	1.2726	57.336	6.6500	4.7481	45.0549	12.93	0.008198
1	1	8	2011	2	17	1.3513	63.851	6.6500	4.7481	47.2522	11.65	0.002544
1	1	8	2011	2	18	1.9102	108.272	6.6500	4.7481	56.6821	10.18	0.002699
1	1	8	2011	2	19	2.0604	116.791	6.6500	4.7481	56.6821	9.86	0.001293
1	1	8	2011	2	20	1.9771	128.037	6.6500	4.7481	64.7605	8.70	0.006032
1	1	8	2011	2	21	2.4340	157.624	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2011	2	22	3.1793	414.014	6.6500	4.7481	130.2221	6.58	0.010278
1	1	8	2011	2	23	4.0076	792.769	6.6500	4.7481	197.8148	6.28	0.036527
1	1	8	2011	2	24	24.8277	213.077	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2011	2	25	29.6771	808.111	6.8800	4.9123	27.2301	6.43	0.000303
1	1	8	2011	2	26	6.2289	608.811	6.6500	4.7481	97.7390	4.34	0.003655
1	1	8	2011	2	27	3.7679	102.601	6.6500	4.7481	27.2301	6.19	0.007008
1	1	8	2011	2	28	1.1197	49.238	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2011	3	1	0.6235	18.713	7.2800	5.3799	30.0117	24.09	0.281246
1	1	8	2011	3	2	0.4430	17.807	8.0600	5.7548	40.1957	18.52	0.101405
1	1	8	2011	3	3	0.6769	27.208	8.0600	5.7548	40.1957	18.52	0.337320
1	1	8	2011	3	4	1.2888	48.737	8.0600	5.7548	37.8166	14.25	0.103547
1	1	8	2011	3	5	1.7683	66.872	8.0600	5.7548	37.8166	14.25	0.047578
1	1	8	2011	3	6	1.5445	58.337	6.8800	4.9123	37.7707	10.10	0.027524
1	1	8	2011	3	7	1.6329	61.676	6.8800	4.9123	37.7707	9.36	0.000969
1	1	8	2011	3	8	1.4416	52.607	6.8800	4.9123	36.4932	9.33	0.000281
1	1	8	2011	3	9	1.6727	61.044	6.8800	4.9123	36.4931	8.00	0.000959
1	1	8	2011	3	10	1.6620	60.653	6.8800	4.9123	36.4932	8.12	0.001996
1	1	8	2011	3	11	1.8329	66.889	6.8800	4.9123	36.4932	7.44	0.000819
1	1	8	2011	3	12	1.9569	71.414	6.8800	4.9123	36.4932	7.05	0.000002
1	1	8	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2011	3	14	0.3087	9.266	7.2800	5.1979	30.0117	32.28	0.000028
1	1	8	2011	3	15	0.1983	9.576	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2011	3	16	2.5104	113.104	6.6500	4.7481	45.0549	12.93	0.008198
1	1	8	2011	3	17	2.6437	124.921	6.6500	4.7481	47.2522	11.65	0.002544
1	1	8	2011	3	18	3.6528	207.050	6.6500	4.7481	56.6821	10.18	0.002699
1	1	8	2011	3	19	3.9493	223.853	6.6500	4.7481	56.6821	9.86	0.001293
1	1	8	2011	3	20	4.5627	295.482	6.6500	4.7481	64.7605	8.70	0.006032
1	1	8	2011	3	21	5.6372	365.070	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2011	3	22	6.3934	832.557	6.6500	4.7481	130.2221	6.58	0.010278
1	1	8	2011	3	23	7.6678	1516.805	6.6500	4.7481	197.8148	6.28	0.036527
1	1	8	2011	3	24	1.5873	13.623	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2011	3	25	3.2263	87.853	6.8800	4.9123	27.2301	6.43	0.000303

1	1	8	2011	3	26	13.3927	1308.988	6.6500	4.7481	97.7390	4.34	0.003655
1	1	8	2011	3	27	9.2567	252.063	6.6500	4.7481	27.2301	6.19	0.007008
1	1	8	2011	3	28	0.6877	30.241	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	9	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	9	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	9	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	9	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	9	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	9	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	9	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	9	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	9	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	9	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	9	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	9	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	9	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	9	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	9	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	9	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	9	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	9	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	9	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	9	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	9	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	9	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	9	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2011	1	1	0.5503	16.514	7.2800	5.3799	30.0117	24.09	0.281246
1	1	9	2011	1	2	0.3253	13.074	8.0600	5.7548	40.1957	18.52	0.101405
1	1	9	2011	1	3	0.3705	14.892	8.0600	5.7548	40.1957	18.52	0.337320
1	1	9	2011	1	4	0.8740	33.052	8.0600	5.7548	37.8166	14.25	0.103547
1	1	9	2011	1	5	0.9601	36.307	8.0600	5.7548	37.8166	14.25	0.047578
1	1	9	2011	1	6	0.9803	37.027	6.8800	4.9123	37.7707	10.10	0.027524
1	1	9	2011	1	7	0.9811	37.057	6.8800	4.9123	37.7707	9.36	0.000969
1	1	9	2011	1	8	0.8786	32.062	6.8800	4.9123	36.4932	9.33	0.000281
1	1	9	2011	1	9	0.9823	35.846	6.8800	4.9123	36.4931	8.00	0.000959
1	1	9	2011	1	10	0.9776	35.677	6.8800	4.9123	36.4932	8.12	0.001996
1	1	9	2011	1	11	1.0795	39.393	6.8800	4.9123	36.4932	7.44	0.000819
1	1	9	2011	1	12	1.1399	41.598	6.8800	4.9123	36.4932	7.05	0.000002
1	1	9	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2011	1	14	0.2182	6.549	7.2800	5.1979	30.0117	32.28	0.000028
1	1	9	2011	1	15	0.1644	7.938	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2011	1	16	0.2854	12.859	6.6500	4.7481	45.0549	12.93	0.008198

1	1	9	2011	1	17	0.3114	14.714	6.6500	4.7481	47.2522	11.65	0.002544
1	1	9	2011	1	18	0.4067	23.050	6.6500	4.7481	56.6821	10.18	0.002699
1	1	9	2011	1	19	0.4509	25.558	6.6500	4.7481	56.6821	9.86	0.001293
1	1	9	2011	1	20	0.5332	34.531	6.6500	4.7481	64.7605	8.70	0.006032
1	1	9	2011	1	21	0.6528	42.274	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2011	1	22	0.6827	88.897	6.6500	4.7481	130.2221	6.58	0.010278
1	1	9	2011	1	23	0.8038	159.007	6.6500	4.7481	197.8148	6.28	0.036527
1	1	9	2011	1	24	3.2704	28.067	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2011	1	25	1.7852	48.612	6.8800	4.9123	27.2301	6.43	0.000303
1	1	9	2011	1	26	0.6236	60.953	6.6500	4.7481	97.7390	4.34	0.003655
1	1	9	2011	1	27	0.9651	26.279	6.6500	4.7481	27.2301	6.19	0.007008
1	1	9	2011	1	28	0.5700	25.064	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2011	2	1	12.8373	385.268	7.2800	5.3799	30.0117	24.09	0.281246
1	1	9	2011	2	2	10.4796	421.234	8.0600	5.7548	40.1957	18.52	0.101405
1	1	9	2011	2	3	11.0734	445.105	8.0600	5.7548	40.1957	18.52	0.337320
1	1	9	2011	2	4	16.3282	617.478	8.0600	5.7548	37.8166	14.25	0.103547
1	1	9	2011	2	5	16.6234	628.640	8.0600	5.7548	37.8166	14.25	0.047578
1	1	9	2011	2	6	15.4235	582.557	6.8800	4.9123	37.7707	10.10	0.027524
1	1	9	2011	2	7	17.1173	646.533	6.8800	4.9123	37.7707	9.36	0.000969
1	1	9	2011	2	8	16.5478	603.882	6.8800	4.9123	36.4932	9.33	0.000281
1	1	9	2011	2	9	19.2848	703.763	6.8800	4.9123	36.4931	8.00	0.000959
1	1	9	2011	2	10	19.1073	697.286	6.8800	4.9123	36.4932	8.12	0.001996
1	1	9	2011	2	11	22.6486	826.518	6.8800	4.9123	36.4932	7.44	0.000819
1	1	9	2011	2	12	24.1392	880.917	6.8800	4.9123	36.4932	7.05	0.000002
1	1	9	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2011	2	14	1.3940	41.836	7.2800	5.1979	30.0117	32.28	0.000028
1	1	9	2011	2	15	0.6309	30.464	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2011	2	16	1.1855	53.411	6.6500	4.7481	45.0549	12.93	0.008198
1	1	9	2011	2	17	1.2588	59.480	6.6500	4.7481	47.2522	11.65	0.002544
1	1	9	2011	2	18	1.7794	100.859	6.6500	4.7481	56.6821	10.18	0.002699
1	1	9	2011	2	19	1.9194	108.795	6.6500	4.7481	56.6821	9.86	0.001293
1	1	9	2011	2	20	1.8417	119.271	6.6500	4.7481	64.7605	8.70	0.006032
1	1	9	2011	2	21	2.2673	146.833	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2011	2	22	2.9616	385.668	6.6500	4.7481	130.2221	6.58	0.010278
1	1	9	2011	2	23	3.7332	738.492	6.6500	4.7481	197.8148	6.28	0.036527
1	1	9	2011	2	24	23.0182	197.547	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2011	2	25	27.4968	748.740	6.8800	4.9123	27.2301	6.43	0.000303
1	1	9	2011	2	26	5.8025	567.129	6.6500	4.7481	97.7390	4.34	0.003655
1	1	9	2011	2	27	3.5100	95.577	6.6500	4.7481	27.2301	6.19	0.007008
1	1	9	2011	2	28	1.0583	46.538	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2011	3	1	0.6030	18.098	7.2800	5.3799	30.0117	24.09	0.281246
1	1	9	2011	3	2	0.4277	17.190	8.0600	5.7548	40.1957	18.52	0.101405
1	1	9	2011	3	3	0.6549	26.325	8.0600	5.7548	40.1957	18.52	0.337320
1	1	9	2011	3	4	1.2501	47.273	8.0600	5.7548	37.8166	14.25	0.103547
1	1	9	2011	3	5	1.7188	65.001	8.0600	5.7548	37.8166	14.25	0.047578
1	1	9	2011	3	6	1.5612	58.968	6.8800	4.9123	37.7707	10.10	0.027524
1	1	9	2011	3	7	1.6506	62.344	6.8800	4.9123	37.7707	9.36	0.000969

1	1	9	2011	3	8	1.4572	53.177	6.8800	4.9123	36.4932	9.33	0.000281
1	1	9	2011	3	9	1.6908	61.704	6.8800	4.9123	36.4931	8.00	0.000959
1	1	9	2011	3	10	1.6800	61.309	6.8800	4.9123	36.4932	8.12	0.001996
1	1	9	2011	3	11	1.8528	67.613	6.8800	4.9123	36.4932	7.44	0.000819
1	1	9	2011	3	12	1.9781	72.187	6.8800	4.9123	36.4932	7.05	0.000002
1	1	9	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2011	3	14	0.2989	8.969	7.2800	5.1979	30.0117	32.28	0.000028
1	1	9	2011	3	15	0.1919	9.268	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2011	3	16	2.4271	109.353	6.6500	4.7481	45.0549	12.93	0.008198
1	1	9	2011	3	17	2.5560	120.778	6.6500	4.7481	47.2522	11.65	0.002544
1	1	9	2011	3	18	3.5317	200.182	6.6500	4.7481	56.6821	10.18	0.002699
1	1	9	2011	3	19	3.8183	216.427	6.6500	4.7481	56.6821	9.86	0.001293
1	1	9	2011	3	20	4.4093	285.551	6.6500	4.7481	64.7605	8.70	0.006032
1	1	9	2011	3	21	5.4478	352.800	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2011	3	22	6.1848	805.393	6.6500	4.7481	130.2221	6.58	0.010278
1	1	9	2011	3	23	7.4213	1468.047	6.6500	4.7481	197.8148	6.28	0.036527
1	1	9	2011	3	24	1.5921	13.664	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2011	3	25	3.2612	88.804	6.8800	4.9123	27.2301	6.43	0.000303
1	1	9	2011	3	26	12.9391	1264.653	6.6500	4.7481	97.7390	4.34	0.003655
1	1	9	2011	3	27	8.9434	243.529	6.6500	4.7481	27.2301	6.19	0.007008
1	1	9	2011	3	28	0.6655	29.266	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	10	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	10	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	10	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	10	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	10	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	10	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	10	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	10	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	10	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	10	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	10	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	10	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	10	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	10	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	10	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	10	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	10	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	10	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	10	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	10	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	10	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655

1	1	10	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	10	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	10	2011	1	1	0.5276	15.833	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	10	2011	1	2	0.3116	12.526	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	10	2011	1	3	0.3553	14.282	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	10	2011	1	4	0.8380	31.690	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	10	2011	1	5	0.9207	34.819	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	10	2011	1	6	0.9138	34.515	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	10	2011	1	7	0.9145	34.543	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	10	2011	1	8	0.8197	29.914	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	10	2011	1	9	0.9159	33.424	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	10	2011	1	10	0.9116	33.267	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	10	2011	1	11	1.0061	36.714	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	10	2011	1	12	1.0621	38.759	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	10	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	10	2011	1	14	0.2110	6.332	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	10	2011	1	15	0.1587	7.664	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	10	2011	1	16	0.2734	12.317	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	10	2011	1	17	0.2983	14.094	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	10	2011	1	18	0.3895	22.079	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	10	2011	1	19	0.4319	24.481	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	10	2011	1	20	0.5107	33.076	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	10	2011	1	21	0.6253	40.493	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	10	2011	1	22	0.6539	85.151	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	10	2011	1	23	0.7699	152.306	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	10	2011	1	24	3.1091	26.683	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	10	2011	1	25	1.6614	45.241	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	10	2011	1	26	0.5974	58.384	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	10	2011	1	27	0.9244	25.172	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	10	2011	1	28	0.5504	24.205	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	10	2011	2	1	12.6484	379.599	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	10	2011	2	2	10.3177	414.726	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	10	2011	2	3	10.9041	438.296	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	10	2011	2	4	16.0393	606.553	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	10	2011	2	5	16.3313	617.594	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	10	2011	2	6	14.3887	543.471	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	10	2011	2	7	15.9688	603.154	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	10	2011	2	8	15.4375	563.365	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	10	2011	2	9	17.9909	656.544	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	10	2011	2	10	17.8253	650.501	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	10	2011	2	11	21.1290	771.062	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	10	2011	2	12	22.5196	821.811	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	10	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	10	2011	2	14	1.3269	39.822	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	10	2011	2	15	0.5990	28.923	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	10	2011	2	16	1.1117	50.089	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	10	2011	2	17	1.1805	55.781	6.6500	4.7481	47.2522	11.65
0.002544											

1	1	10	2011	2	18	1.6687	94.587	6.6500	4.7481	56.6821	10.18	0.002699
1	1	10	2011	2	19	1.8000	102.029	6.6500	4.7481	56.6821	9.86	0.001293
1	1	10	2011	2	20	1.7272	111.853	6.6500	4.7481	64.7605	8.70	0.006032
1	1	10	2011	2	21	2.1263	137.701	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2011	2	22	2.7774	361.684	6.6500	4.7481	130.2221	6.58	0.010278
1	1	10	2011	2	23	3.5011	692.565	6.6500	4.7481	197.8148	6.28	0.036527
1	1	10	2011	2	24	21.4870	184.406	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2011	2	25	25.6519	698.504	6.8800	4.9123	27.2301	6.43	0.000303
1	1	10	2011	2	26	5.4416	531.860	6.6500	4.7481	97.7390	4.34	0.003655
1	1	10	2011	2	27	3.2917	89.633	6.6500	4.7481	27.2301	6.19	0.007008
1	1	10	2011	2	28	1.0063	44.253	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2011	3	1	0.5857	17.578	7.2800	5.3799	30.0117	24.09	0.281246
1	1	10	2011	3	2	0.4147	16.668	8.0600	5.7548	40.1957	18.52	0.101405
1	1	10	2011	3	3	0.6363	25.577	8.0600	5.7548	40.1957	18.52	0.337320
1	1	10	2011	3	4	1.2173	46.034	8.0600	5.7548	37.8166	14.25	0.103547
1	1	10	2011	3	5	1.6770	63.418	8.0600	5.7548	37.8166	14.25	0.047578
1	1	10	2011	3	6	1.5754	59.503	6.8800	4.9123	37.7707	10.10	0.027524
1	1	10	2011	3	7	1.6655	62.909	6.8800	4.9123	37.7707	9.36	0.000969
1	1	10	2011	3	8	1.4704	53.658	6.8800	4.9123	36.4932	9.33	0.000281
1	1	10	2011	3	9	1.7062	62.263	6.8800	4.9123	36.4931	8.00	0.000959
1	1	10	2011	3	10	1.6952	61.864	6.8800	4.9123	36.4932	8.12	0.001996
1	1	10	2011	3	11	1.8695	68.226	6.8800	4.9123	36.4932	7.44	0.000819
1	1	10	2011	3	12	1.9960	72.841	6.8800	4.9123	36.4932	7.05	0.000002
1	1	10	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2011	3	14	0.2905	8.719	7.2800	5.1979	30.0117	32.28	0.000028
1	1	10	2011	3	15	0.1865	9.007	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2011	3	16	2.3566	106.178	6.6500	4.7481	45.0549	12.93	0.008198
1	1	10	2011	3	17	2.4818	117.271	6.6500	4.7481	47.2522	11.65	0.002544
1	1	10	2011	3	18	3.4291	194.370	6.6500	4.7481	56.6821	10.18	0.002699
1	1	10	2011	3	19	3.7074	210.144	6.6500	4.7481	56.6821	9.86	0.001293
1	1	10	2011	3	20	4.2796	277.148	6.6500	4.7481	64.7605	8.70	0.006032
1	1	10	2011	3	21	5.2874	342.417	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2011	3	22	6.0083	782.408	6.6500	4.7481	130.2221	6.58	0.010278
1	1	10	2011	3	23	7.2128	1426.790	6.6500	4.7481	197.8148	6.28	0.036527
1	1	10	2011	3	24	1.5962	13.699	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2011	3	25	3.2908	89.608	6.8800	4.9123	27.2301	6.43	0.000303
1	1	10	2011	3	26	12.5553	1227.138	6.6500	4.7481	97.7390	4.34	0.003655
1	1	10	2011	3	27	8.6782	236.309	6.6500	4.7481	27.2301	6.19	0.007008
1	1	10	2011	3	28	0.6468	28.441	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	11	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	11	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	11	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	11	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	11	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	11	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	11	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281

1	1	11	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	11	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	11	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	11	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	11	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	11	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	11	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	11	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	11	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	11	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	11	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	11	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	11	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	11	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	11	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	11	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2011	1	1	0.5081	15.249	7.2800	5.3799	30.0117	24.09	0.281246
1	1	11	2011	1	2	0.2999	12.056	8.0600	5.7548	40.1957	18.52	0.101405
1	1	11	2011	1	3	0.3423	13.758	8.0600	5.7548	40.1957	18.52	0.337320
1	1	11	2011	1	4	0.8071	30.522	8.0600	5.7548	37.8166	14.25	0.103547
1	1	11	2011	1	5	0.8870	33.544	8.0600	5.7548	37.8166	14.25	0.047578
1	1	11	2011	1	6	0.8568	32.361	6.8800	4.9123	37.7707	10.10	0.027524
1	1	11	2011	1	7	0.8575	32.387	6.8800	4.9123	37.7707	9.36	0.000969
1	1	11	2011	1	8	0.7693	28.073	6.8800	4.9123	36.4932	9.33	0.000281
1	1	11	2011	1	9	0.8590	31.348	6.8800	4.9123	36.4931	8.00	0.000959
1	1	11	2011	1	10	0.8550	31.202	6.8800	4.9123	36.4932	8.12	0.001996
1	1	11	2011	1	11	0.9431	34.418	6.8800	4.9123	36.4932	7.44	0.000819
1	1	11	2011	1	12	0.9954	36.326	6.8800	4.9123	36.4932	7.05	0.000002
1	1	11	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2011	1	14	0.2048	6.146	7.2800	5.1979	30.0117	32.28	0.000028
1	1	11	2011	1	15	0.1538	7.429	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2011	1	16	0.2631	11.852	6.6500	4.7481	45.0549	12.93	0.008198
1	1	11	2011	1	17	0.2870	13.563	6.6500	4.7481	47.2522	11.65	0.002544
1	1	11	2011	1	18	0.3748	21.246	6.6500	4.7481	56.6821	10.18	0.002699
1	1	11	2011	1	19	0.4156	23.557	6.6500	4.7481	56.6821	9.86	0.001293
1	1	11	2011	1	20	0.4915	31.829	6.6500	4.7481	64.7605	8.70	0.006032
1	1	11	2011	1	21	0.6017	38.966	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2011	1	22	0.6292	81.940	6.6500	4.7481	130.2221	6.58	0.010278
1	1	11	2011	1	23	0.7409	146.563	6.6500	4.7481	197.8148	6.28	0.036527
1	1	11	2011	1	24	2.9709	25.497	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2011	1	25	1.5553	42.351	6.8800	4.9123	27.2301	6.43	0.000303
1	1	11	2011	1	26	0.5748	56.183	6.6500	4.7481	97.7390	4.34	0.003655
1	1	11	2011	1	27	0.8896	24.223	6.6500	4.7481	27.2301	6.19	0.007008

1	1	11	2011	1	28	0.5337	23.468	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2011	2	1	12.4865	374.740	7.2800	5.3799	30.0117	24.09	0.281246
1	1	11	2011	2	2	10.1789	409.147	8.0600	5.7548	40.1957	18.52	0.101405
1	1	11	2011	2	3	10.7589	432.461	8.0600	5.7548	40.1957	18.52	0.337320
1	1	11	2011	2	4	15.7917	597.188	8.0600	5.7548	37.8166	14.25	0.103547
1	1	11	2011	2	5	16.0809	608.126	8.0600	5.7548	37.8166	14.25	0.047578
1	1	11	2011	2	6	13.5017	509.968	6.8800	4.9123	37.7707	10.10	0.027524
1	1	11	2011	2	7	14.9844	565.971	6.8800	4.9123	37.7707	9.36	0.000969
1	1	11	2011	2	8	14.4859	528.635	6.8800	4.9123	36.4932	9.33	0.000281
1	1	11	2011	2	9	16.8818	616.070	6.8800	4.9123	36.4931	8.00	0.000959
1	1	11	2011	2	10	16.7264	610.400	6.8800	4.9123	36.4932	8.12	0.001996
1	1	11	2011	2	11	19.8264	723.529	6.8800	4.9123	36.4932	7.44	0.000819
1	1	11	2011	2	12	21.1314	771.150	6.8800	4.9123	36.4932	7.05	0.000002
1	1	11	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2011	2	14	1.2694	38.096	7.2800	5.1979	30.0117	32.28	0.000028
1	1	11	2011	2	15	0.5717	27.602	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2011	2	16	1.0485	47.242	6.6500	4.7481	45.0549	12.93	0.008198
1	1	11	2011	2	17	1.1134	52.610	6.6500	4.7481	47.2522	11.65	0.002544
1	1	11	2011	2	18	1.5739	89.210	6.6500	4.7481	56.6821	10.18	0.002699
1	1	11	2011	2	19	1.6977	96.229	6.6500	4.7481	56.6821	9.86	0.001293
1	1	11	2011	2	20	1.6290	105.495	6.6500	4.7481	64.7605	8.70	0.006032
1	1	11	2011	2	21	2.0055	129.874	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2011	2	22	2.6196	341.125	6.6500	4.7481	130.2221	6.58	0.010278
1	1	11	2011	2	23	3.3021	653.200	6.6500	4.7481	197.8148	6.28	0.036527
1	1	11	2011	2	24	20.1745	173.142	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2011	2	25	24.0705	655.443	6.8800	4.9123	27.2301	6.43	0.000303
1	1	11	2011	2	26	5.1323	501.628	6.6500	4.7481	97.7390	4.34	0.003655
1	1	11	2011	2	27	3.1046	84.538	6.6500	4.7481	27.2301	6.19	0.007008
1	1	11	2011	2	28	0.9618	42.295	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2011	3	1	0.5708	17.132	7.2800	5.3799	30.0117	24.09	0.281246
1	1	11	2011	3	2	0.4035	16.220	8.0600	5.7548	40.1957	18.52	0.101405
1	1	11	2011	3	3	0.6204	24.937	8.0600	5.7548	40.1957	18.52	0.337320
1	1	11	2011	3	4	1.1892	44.972	8.0600	5.7548	37.8166	14.25	0.103547
1	1	11	2011	3	5	1.6411	62.061	8.0600	5.7548	37.8166	14.25	0.047578
1	1	11	2011	3	6	1.5875	59.961	6.8800	4.9123	37.7707	10.10	0.027524
1	1	11	2011	3	7	1.6784	63.393	6.8800	4.9123	37.7707	9.36	0.000969
1	1	11	2011	3	8	1.4817	54.071	6.8800	4.9123	36.4932	9.33	0.000281
1	1	11	2011	3	9	1.7193	62.743	6.8800	4.9123	36.4931	8.00	0.000959
1	1	11	2011	3	10	1.7083	62.340	6.8800	4.9123	36.4932	8.12	0.001996
1	1	11	2011	3	11	1.8839	68.751	6.8800	4.9123	36.4932	7.44	0.000819
1	1	11	2011	3	12	2.0114	73.402	6.8800	4.9123	36.4932	7.05	0.000002
1	1	11	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2011	3	14	0.2833	8.504	7.2800	5.1979	30.0117	32.28	0.000028
1	1	11	2011	3	15	0.1819	8.783	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2011	3	16	2.2962	103.457	6.6500	4.7481	45.0549	12.93	0.008198
1	1	11	2011	3	17	2.4182	114.266	6.6500	4.7481	47.2522	11.65	0.002544
1	1	11	2011	3	18	3.3412	189.389	6.6500	4.7481	56.6821	10.18	0.002699

1	1	11	2011	3	19	3.6124	204.758	6.6500	4.7481	56.6821	9.86	0.001293
1	1	11	2011	3	20	4.1684	269.946	6.6500	4.7481	64.7605	8.70	0.006032
1	1	11	2011	3	21	5.1500	333.518	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2011	3	22	5.8570	762.707	6.6500	4.7481	130.2221	6.58	0.010278
1	1	11	2011	3	23	7.0340	1391.427	6.6500	4.7481	197.8148	6.28	0.036527
1	1	11	2011	3	24	1.5997	13.729	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2011	3	25	3.3161	90.298	6.8800	4.9123	27.2301	6.43	0.000303
1	1	11	2011	3	26	12.2263	1194.983	6.6500	4.7481	97.7390	4.34	0.003655
1	1	11	2011	3	27	8.4509	230.120	6.6500	4.7481	27.2301	6.19	0.007008
1	1	11	2011	3	28	0.6307	27.734	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	12	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	12	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	12	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	12	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	12	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	12	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	12	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	12	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	12	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	12	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	12	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	12	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	12	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	12	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	12	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	12	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	12	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	12	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	12	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	12	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	12	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	12	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	12	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2011	1	1	0.4913	14.744	7.2800	5.3799	30.0117	24.09	0.281246
1	1	12	2011	1	2	0.2898	11.649	8.0600	5.7548	40.1957	18.52	0.101405
1	1	12	2011	1	3	0.3310	13.305	8.0600	5.7548	40.1957	18.52	0.337320
1	1	12	2011	1	4	0.7803	29.509	8.0600	5.7548	37.8166	14.25	0.103547
1	1	12	2011	1	5	0.8578	32.438	8.0600	5.7548	37.8166	14.25	0.047578
1	1	12	2011	1	6	0.8074	30.495	6.8800	4.9123	37.7707	10.10	0.027524
1	1	12	2011	1	7	0.8080	30.519	6.8800	4.9123	37.7707	9.36	0.000969
1	1	12	2011	1	8	0.7255	26.477	6.8800	4.9123	36.4932	9.33	0.000281
1	1	12	2011	1	9	0.8097	29.549	6.8800	4.9123	36.4931	8.00	0.000959

1	1	12	2011	1	10	0.8060	29.412	6.8800	4.9123	36.4932	8.12	0.001996
1	1	12	2011	1	11	0.8886	32.428	6.8800	4.9123	36.4932	7.44	0.000819
1	1	12	2011	1	12	0.9376	34.217	6.8800	4.9123	36.4932	7.05	0.000002
1	1	12	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2011	1	14	0.1994	5.986	7.2800	5.1979	30.0117	32.28	0.000028
1	1	12	2011	1	15	0.1496	7.225	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2011	1	16	0.2541	11.450	6.6500	4.7481	45.0549	12.93	0.008198
1	1	12	2011	1	17	0.2773	13.102	6.6500	4.7481	47.2522	11.65	0.002544
1	1	12	2011	1	18	0.3621	20.525	6.6500	4.7481	56.6821	10.18	0.002699
1	1	12	2011	1	19	0.4015	22.757	6.6500	4.7481	56.6821	9.86	0.001293
1	1	12	2011	1	20	0.4748	30.748	6.6500	4.7481	64.7605	8.70	0.006032
1	1	12	2011	1	21	0.5813	37.642	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2011	1	22	0.6079	79.157	6.6500	4.7481	130.2221	6.58	0.010278
1	1	12	2011	1	23	0.7158	141.586	6.6500	4.7481	197.8148	6.28	0.036527
1	1	12	2011	1	24	2.8511	24.469	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2011	1	25	1.4633	39.847	6.8800	4.9123	27.2301	6.43	0.000303
1	1	12	2011	1	26	0.5553	54.275	6.6500	4.7481	97.7390	4.34	0.003655
1	1	12	2011	1	27	0.8594	23.400	6.6500	4.7481	27.2301	6.19	0.007008
1	1	12	2011	1	28	0.5192	22.830	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2011	2	1	12.3461	370.529	7.2800	5.3799	30.0117	24.09	0.281246
1	1	12	2011	2	2	10.0586	404.313	8.0600	5.7548	40.1957	18.52	0.101405
1	1	12	2011	2	3	10.6331	427.403	8.0600	5.7548	40.1957	18.52	0.337320
1	1	12	2011	2	4	15.5771	589.072	8.0600	5.7548	37.8166	14.25	0.103547
1	1	12	2011	2	5	15.8639	599.920	8.0600	5.7548	37.8166	14.25	0.047578
1	1	12	2011	2	6	12.7329	480.932	6.8800	4.9123	37.7707	10.10	0.027524
1	1	12	2011	2	7	14.1312	533.747	6.8800	4.9123	37.7707	9.36	0.000969
1	1	12	2011	2	8	13.6611	498.537	6.8800	4.9123	36.4932	9.33	0.000281
1	1	12	2011	2	9	15.9206	580.993	6.8800	4.9123	36.4931	8.00	0.000959
1	1	12	2011	2	10	15.7741	575.646	6.8800	4.9123	36.4932	8.12	0.001996
1	1	12	2011	2	11	18.6976	682.334	6.8800	4.9123	36.4932	7.44	0.000819
1	1	12	2011	2	12	19.9282	727.243	6.8800	4.9123	36.4932	7.05	0.000002
1	1	12	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2011	2	14	1.2195	36.600	7.2800	5.1979	30.0117	32.28	0.000028
1	1	12	2011	2	15	0.5480	26.458	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2011	2	16	0.9938	44.774	6.6500	4.7481	45.0549	12.93	0.008198
1	1	12	2011	2	17	1.0552	49.862	6.6500	4.7481	47.2522	11.65	0.002544
1	1	12	2011	2	18	1.4917	84.551	6.6500	4.7481	56.6821	10.18	0.002699
1	1	12	2011	2	19	1.6090	91.203	6.6500	4.7481	56.6821	9.86	0.001293
1	1	12	2011	2	20	1.5439	99.985	6.6500	4.7481	64.7605	8.70	0.006032
1	1	12	2011	2	21	1.9007	123.091	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2011	2	22	2.4827	323.308	6.6500	4.7481	130.2221	6.58	0.010278
1	1	12	2011	2	23	3.1296	619.083	6.6500	4.7481	197.8148	6.28	0.036527
1	1	12	2011	2	24	19.0371	163.381	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2011	2	25	22.7000	618.125	6.8800	4.9123	27.2301	6.43	0.000303
1	1	12	2011	2	26	4.8643	475.428	6.6500	4.7481	97.7390	4.34	0.003655
1	1	12	2011	2	27	2.9424	80.122	6.6500	4.7481	27.2301	6.19	0.007008
1	1	12	2011	2	28	0.9232	40.598	8.0600	5.7548	43.9743	17.00	0.002242

1	1	12	2011	3	1	0.5580	16.746	7.2800	5.3799	30.0117	24.09	0.281246
1	1	12	2011	3	2	0.3939	15.832	8.0600	5.7548	40.1957	18.52	0.101405
1	1	12	2011	3	3	0.6066	24.381	8.0600	5.7548	40.1957	18.52	0.337320
1	1	12	2011	3	4	1.1649	44.052	8.0600	5.7548	37.8166	14.25	0.103547
1	1	12	2011	3	5	1.6100	60.885	8.0600	5.7548	37.8166	14.25	0.047578
1	1	12	2011	3	6	1.5980	60.357	6.8800	4.9123	37.7707	10.10	0.027524
1	1	12	2011	3	7	1.6895	63.812	6.8800	4.9123	37.7707	9.36	0.000969
1	1	12	2011	3	8	1.4915	54.429	6.8800	4.9123	36.4932	9.33	0.000281
1	1	12	2011	3	9	1.7307	63.158	6.8800	4.9123	36.4931	8.00	0.000959
1	1	12	2011	3	10	1.7196	62.753	6.8800	4.9123	36.4932	8.12	0.001996
1	1	12	2011	3	11	1.8964	69.206	6.8800	4.9123	36.4932	7.44	0.000819
1	1	12	2011	3	12	2.0247	73.887	6.8800	4.9123	36.4932	7.05	0.000002
1	1	12	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2011	3	14	0.2771	8.317	7.2800	5.1979	30.0117	32.28	0.000028
1	1	12	2011	3	15	0.1779	8.589	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2011	3	16	2.2439	101.098	6.6500	4.7481	45.0549	12.93	0.008198
1	1	12	2011	3	17	2.3631	111.661	6.6500	4.7481	47.2522	11.65	0.002544
1	1	12	2011	3	18	3.2651	185.072	6.6500	4.7481	56.6821	10.18	0.002699
1	1	12	2011	3	19	3.5301	200.091	6.6500	4.7481	56.6821	9.86	0.001293
1	1	12	2011	3	20	4.0720	263.704	6.6500	4.7481	64.7605	8.70	0.006032
1	1	12	2011	3	21	5.0309	325.805	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2011	3	22	5.7259	745.633	6.6500	4.7481	130.2221	6.58	0.010278
1	1	12	2011	3	23	6.8791	1360.779	6.6500	4.7481	197.8148	6.28	0.036527
1	1	12	2011	3	24	1.6027	13.755	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2011	3	25	3.3380	90.895	6.8800	4.9123	27.2301	6.43	0.000303
1	1	12	2011	3	26	11.9411	1167.115	6.6500	4.7481	97.7390	4.34	0.003655
1	1	12	2011	3	27	8.2540	224.757	6.6500	4.7481	27.2301	6.19	0.007008
1	1	12	2011	3	28	0.6168	27.122	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	13	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	13	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	13	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	13	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	13	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	13	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	13	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	13	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	13	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	13	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	13	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	13	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	13	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	13	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	13	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	13	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293

1	1	13	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	13	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	13	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	13	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	13	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	13	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	13	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2011	1	1	0.4765	14.301	7.2800	5.3799	30.0117	24.09	0.281246
1	1	13	2011	1	2	0.2809	11.293	8.0600	5.7548	40.1957	18.52	0.101405
1	1	13	2011	1	3	0.3211	12.908	8.0600	5.7548	40.1957	18.52	0.337320
1	1	13	2011	1	4	0.7569	28.624	8.0600	5.7548	37.8166	14.25	0.103547
1	1	13	2011	1	5	0.8322	31.471	8.0600	5.7548	37.8166	14.25	0.047578
1	1	13	2011	1	6	0.7559	28.553	6.8800	4.9123	37.7707	10.10	0.027524
1	1	13	2011	1	7	0.7565	28.575	6.8800	4.9123	37.7707	9.36	0.000969
1	1	13	2011	1	8	0.6799	24.812	6.8800	4.9123	36.4932	9.33	0.000281
1	1	13	2011	1	9	0.7580	27.663	6.8800	4.9123	36.4931	8.00	0.000959
1	1	13	2011	1	10	0.7545	27.535	6.8800	4.9123	36.4932	8.12	0.001996
1	1	13	2011	1	11	0.8312	30.334	6.8800	4.9123	36.4932	7.44	0.000819
1	1	13	2011	1	12	0.8767	31.995	6.8800	4.9123	36.4932	7.05	0.000002
1	1	13	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2011	1	14	0.1926	5.780	7.2800	5.1979	30.0117	32.28	0.000028
1	1	13	2011	1	15	0.1442	6.964	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2011	1	16	0.2427	10.936	6.6500	4.7481	45.0549	12.93	0.008198
1	1	13	2011	1	17	0.2648	12.514	6.6500	4.7481	47.2522	11.65	0.002544
1	1	13	2011	1	18	0.3458	19.603	6.6500	4.7481	56.6821	10.18	0.002699
1	1	13	2011	1	19	0.3835	21.735	6.6500	4.7481	56.6821	9.86	0.001293
1	1	13	2011	1	20	0.4535	29.367	6.6500	4.7481	64.7605	8.70	0.006032
1	1	13	2011	1	21	0.5552	35.952	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2011	1	22	0.5806	75.603	6.6500	4.7481	130.2221	6.58	0.010278
1	1	13	2011	1	23	0.6836	135.228	6.6500	4.7481	197.8148	6.28	0.036527
1	1	13	2011	1	24	2.7543	23.638	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2011	1	25	1.3674	37.235	6.8800	4.9123	27.2301	6.43	0.000303
1	1	13	2011	1	26	0.5304	51.838	6.6500	4.7481	97.7390	4.34	0.003655
1	1	13	2011	1	27	0.8208	22.349	6.6500	4.7481	27.2301	6.19	0.007008
1	1	13	2011	1	28	0.5006	22.014	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2011	2	1	12.2233	366.844	7.2800	5.3799	30.0117	24.09	0.281246
1	1	13	2011	2	2	9.9534	400.082	8.0600	5.7548	40.1957	18.52	0.101405
1	1	13	2011	2	3	10.5230	422.978	8.0600	5.7548	40.1957	18.52	0.337320
1	1	13	2011	2	4	15.3893	581.971	8.0600	5.7548	37.8166	14.25	0.103547
1	1	13	2011	2	5	15.6741	592.740	8.0600	5.7548	37.8166	14.25	0.047578
1	1	13	2011	2	6	11.9138	449.993	6.8800	4.9123	37.7707	10.10	0.027524
1	1	13	2011	2	7	13.2222	499.410	6.8800	4.9123	37.7707	9.36	0.000969
1	1	13	2011	2	8	12.7823	466.465	6.8800	4.9123	36.4932	9.33	0.000281
1	1	13	2011	2	9	14.8964	543.617	6.8800	4.9123	36.4931	8.00	0.000959
1	1	13	2011	2	10	14.7593	538.614	6.8800	4.9123	36.4932	8.12	0.001996

1	1	13	2011	2	11	17.4947	638.438	6.8800	4.9123	36.4932	7.44	0.000819
1	1	13	2011	2	12	18.6462	680.458	6.8800	4.9123	36.4932	7.05	0.000002
1	1	13	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2011	2	14	1.1642	34.940	7.2800	5.1979	30.0117	32.28	0.000028
1	1	13	2011	2	15	0.5216	25.187	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2011	2	16	0.9330	42.034	6.6500	4.7481	45.0549	12.93	0.008198
1	1	13	2011	2	17	0.9907	46.811	6.6500	4.7481	47.2522	11.65	0.002544
1	1	13	2011	2	18	1.4004	79.377	6.6500	4.7481	56.6821	10.18	0.002699
1	1	13	2011	2	19	1.5106	85.622	6.6500	4.7481	56.6821	9.86	0.001293
1	1	13	2011	2	20	1.4494	93.867	6.6500	4.7481	64.7605	8.70	0.006032
1	1	13	2011	2	21	1.7844	115.558	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2011	2	22	2.3308	303.523	6.6500	4.7481	130.2221	6.58	0.010278
1	1	13	2011	2	23	2.9381	581.197	6.6500	4.7481	197.8148	6.28	0.036527
1	1	13	2011	2	24	18.1207	155.516	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2011	2	25	21.2397	578.359	6.8800	4.9123	27.2301	6.43	0.000303
1	1	13	2011	2	26	4.5666	446.334	6.6500	4.7481	97.7390	4.34	0.003655
1	1	13	2011	2	27	2.7624	75.219	6.6500	4.7481	27.2301	6.19	0.007008
1	1	13	2011	2	28	0.8804	38.714	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2011	3	1	0.5467	16.407	7.2800	5.3799	30.0117	24.09	0.281246
1	1	13	2011	3	2	0.3854	15.493	8.0600	5.7548	40.1957	18.52	0.101405
1	1	13	2011	3	3	0.5945	23.895	8.0600	5.7548	40.1957	18.52	0.337320
1	1	13	2011	3	4	1.1436	43.247	8.0600	5.7548	37.8166	14.25	0.103547
1	1	13	2011	3	5	1.5828	59.856	8.0600	5.7548	37.8166	14.25	0.047578
1	1	13	2011	3	6	1.6164	61.052	6.8800	4.9123	37.7707	10.10	0.027524
1	1	13	2011	3	7	1.7089	64.546	6.8800	4.9123	37.7707	9.36	0.000969
1	1	13	2011	3	8	1.5087	55.056	6.8800	4.9123	36.4932	9.33	0.000281
1	1	13	2011	3	9	1.7506	63.885	6.8800	4.9123	36.4931	8.00	0.000959
1	1	13	2011	3	10	1.7394	63.475	6.8800	4.9123	36.4932	8.12	0.001996
1	1	13	2011	3	11	1.9182	70.002	6.8800	4.9123	36.4932	7.44	0.000819
1	1	13	2011	3	12	2.0480	74.738	6.8800	4.9123	36.4932	7.05	0.000002
1	1	13	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2011	3	14	0.2699	8.099	7.2800	5.1979	30.0117	32.28	0.000028
1	1	13	2011	3	15	0.1732	8.362	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2011	3	16	2.1826	98.336	6.6500	4.7481	45.0549	12.93	0.008198
1	1	13	2011	3	17	2.2985	108.610	6.6500	4.7481	47.2522	11.65	0.002544
1	1	13	2011	3	18	3.1759	180.015	6.6500	4.7481	56.6821	10.18	0.002699
1	1	13	2011	3	19	3.4336	194.623	6.6500	4.7481	56.6821	9.86	0.001293
1	1	13	2011	3	20	3.9591	256.391	6.6500	4.7481	64.7605	8.70	0.006032
1	1	13	2011	3	21	4.8914	316.770	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2011	3	22	5.5723	725.631	6.6500	4.7481	130.2221	6.58	0.010278
1	1	13	2011	3	23	6.6976	1324.878	6.6500	4.7481	197.8148	6.28	0.036527
1	1	13	2011	3	24	1.6233	13.931	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2011	3	25	3.3765	91.941	6.8800	4.9123	27.2301	6.43	0.000303
1	1	13	2011	3	26	11.6071	1134.470	6.6500	4.7481	97.7390	4.34	0.003655
1	1	13	2011	3	27	8.0232	218.474	6.6500	4.7481	27.2301	6.19	0.007008
1	1	13	2011	3	28	0.6004	26.404	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246

1	1	14	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	14	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	14	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	14	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	14	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	14	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	14	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	14	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	14	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	14	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	14	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	14	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	14	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	14	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	14	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	14	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	14	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	14	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	14	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	14	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	14	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	14	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	14	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2011	1	1	0.4635	13.910	7.2800	5.3799	30.0117	24.09	0.281246
1	1	14	2011	1	2	0.2731	10.978	8.0600	5.7548	40.1957	18.52	0.101405
1	1	14	2011	1	3	0.3124	12.557	8.0600	5.7548	40.1957	18.52	0.337320
1	1	14	2011	1	4	0.7362	27.842	8.0600	5.7548	37.8166	14.25	0.103547
1	1	14	2011	1	5	0.8096	30.618	8.0600	5.7548	37.8166	14.25	0.047578
1	1	14	2011	1	6	0.7106	26.839	6.8800	4.9123	37.7707	10.10	0.027524
1	1	14	2011	1	7	0.7111	26.860	6.8800	4.9123	37.7707	9.36	0.000969
1	1	14	2011	1	8	0.6397	23.343	6.8800	4.9123	36.4932	9.33	0.000281
1	1	14	2011	1	9	0.7124	25.998	6.8800	4.9123	36.4931	8.00	0.000959
1	1	14	2011	1	10	0.7092	25.880	6.8800	4.9123	36.4932	8.12	0.001996
1	1	14	2011	1	11	0.7806	28.487	6.8800	4.9123	36.4932	7.44	0.000819
1	1	14	2011	1	12	0.8230	30.034	6.8800	4.9123	36.4932	7.05	0.000002
1	1	14	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2011	1	14	0.1866	5.599	7.2800	5.1979	30.0117	32.28	0.000028
1	1	14	2011	1	15	0.1395	6.735	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2011	1	16	0.2326	10.482	6.6500	4.7481	45.0549	12.93	0.008198
1	1	14	2011	1	17	0.2538	11.995	6.6500	4.7481	47.2522	11.65	0.002544
1	1	14	2011	1	18	0.3315	18.790	6.6500	4.7481	56.6821	10.18	0.002699
1	1	14	2011	1	19	0.3676	20.834	6.6500	4.7481	56.6821	9.86	0.001293
1	1	14	2011	1	20	0.4347	28.149	6.6500	4.7481	64.7605	8.70	0.006032

1	1	14	2011	1	21	0.5321	34.460	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2011	1	22	0.5565	72.466	6.6500	4.7481	130.2221	6.58	0.010278
1	1	14	2011	1	23	0.6552	129.618	6.6500	4.7481	197.8148	6.28	0.036527
1	1	14	2011	1	24	2.6689	22.905	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2011	1	25	1.2828	34.931	6.8800	4.9123	27.2301	6.43	0.000303
1	1	14	2011	1	26	0.5084	49.687	6.6500	4.7481	97.7390	4.34	0.003655
1	1	14	2011	1	27	0.7867	21.422	6.6500	4.7481	27.2301	6.19	0.007008
1	1	14	2011	1	28	0.4842	21.294	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2011	2	1	12.1150	363.592	7.2800	5.3799	30.0117	24.09	0.281246
1	1	14	2011	2	2	9.8605	396.349	8.0600	5.7548	40.1957	18.52	0.101405
1	1	14	2011	2	3	10.4258	419.073	8.0600	5.7548	40.1957	18.52	0.337320
1	1	14	2011	2	4	15.2236	575.705	8.0600	5.7548	37.8166	14.25	0.103547
1	1	14	2011	2	5	15.5065	586.405	8.0600	5.7548	37.8166	14.25	0.047578
1	1	14	2011	2	6	11.1910	422.693	6.8800	4.9123	37.7707	10.10	0.027524
1	1	14	2011	2	7	12.4200	469.113	6.8800	4.9123	37.7707	9.36	0.000969
1	1	14	2011	2	8	12.0068	438.166	6.8800	4.9123	36.4932	9.33	0.000281
1	1	14	2011	2	9	13.9927	510.638	6.8800	4.9123	36.4931	8.00	0.000959
1	1	14	2011	2	10	13.8639	505.938	6.8800	4.9123	36.4932	8.12	0.001996
1	1	14	2011	2	11	16.4334	599.706	6.8800	4.9123	36.4932	7.44	0.000819
1	1	14	2011	2	12	17.5150	639.177	6.8800	4.9123	36.4932	7.05	0.000002
1	1	14	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2011	2	14	1.1154	33.474	7.2800	5.1979	30.0117	32.28	0.000028
1	1	14	2011	2	15	0.4984	24.066	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2011	2	16	0.8793	39.617	6.6500	4.7481	45.0549	12.93	0.008198
1	1	14	2011	2	17	0.9337	44.118	6.6500	4.7481	47.2522	11.65	0.002544
1	1	14	2011	2	18	1.3198	74.811	6.6500	4.7481	56.6821	10.18	0.002699
1	1	14	2011	2	19	1.4237	80.697	6.6500	4.7481	56.6821	9.86	0.001293
1	1	14	2011	2	20	1.3661	88.468	6.6500	4.7481	64.7605	8.70	0.006032
1	1	14	2011	2	21	1.6818	108.912	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2011	2	22	2.1968	286.066	6.6500	4.7481	130.2221	6.58	0.010278
1	1	14	2011	2	23	2.7691	547.769	6.6500	4.7481	197.8148	6.28	0.036527
1	1	14	2011	2	24	17.3121	148.576	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2011	2	25	19.9512	543.273	6.8800	4.9123	27.2301	6.43	0.000303
1	1	14	2011	2	26	4.3039	420.663	6.6500	4.7481	97.7390	4.34	0.003655
1	1	14	2011	2	27	2.6035	70.893	6.6500	4.7481	27.2301	6.19	0.007008
1	1	14	2011	2	28	0.8426	37.051	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2011	3	1	0.5368	16.109	7.2800	5.3799	30.0117	24.09	0.281246
1	1	14	2011	3	2	0.3780	15.193	8.0600	5.7548	40.1957	18.52	0.101405
1	1	14	2011	3	3	0.5838	23.467	8.0600	5.7548	40.1957	18.52	0.337320
1	1	14	2011	3	4	1.1248	42.536	8.0600	5.7548	37.8166	14.25	0.103547
1	1	14	2011	3	5	1.5588	58.948	8.0600	5.7548	37.8166	14.25	0.047578
1	1	14	2011	3	6	1.6326	61.665	6.8800	4.9123	37.7707	10.10	0.027524
1	1	14	2011	3	7	1.7261	65.194	6.8800	4.9123	37.7707	9.36	0.000969
1	1	14	2011	3	8	1.5238	55.608	6.8800	4.9123	36.4932	9.33	0.000281
1	1	14	2011	3	9	1.7682	64.526	6.8800	4.9123	36.4931	8.00	0.000959
1	1	14	2011	3	10	1.7568	64.112	6.8800	4.9123	36.4932	8.12	0.001996
1	1	14	2011	3	11	1.9375	70.705	6.8800	4.9123	36.4932	7.44	0.000819

1	1	14	2011	3	12	2.0685	75.488	6.8800	4.9123	36.4932	7.05	0.000002
1	1	14	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2011	3	14	0.2635	7.907	7.2800	5.1979	30.0117	32.28	0.000028
1	1	14	2011	3	15	0.1690	8.161	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2011	3	16	2.1285	95.898	6.6500	4.7481	45.0549	12.93	0.008198
1	1	14	2011	3	17	2.2415	105.918	6.6500	4.7481	47.2522	11.65	0.002544
1	1	14	2011	3	18	3.0971	175.552	6.6500	4.7481	56.6821	10.18	0.002699
1	1	14	2011	3	19	3.3485	189.799	6.6500	4.7481	56.6821	9.86	0.001293
1	1	14	2011	3	20	3.8594	249.939	6.6500	4.7481	64.7605	8.70	0.006032
1	1	14	2011	3	21	4.7683	308.798	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2011	3	22	5.4367	707.983	6.6500	4.7481	130.2221	6.58	0.010278
1	1	14	2011	3	23	6.5374	1293.200	6.6500	4.7481	197.8148	6.28	0.036527
1	1	14	2011	3	24	1.6414	14.087	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2011	3	25	3.4103	92.864	6.8800	4.9123	27.2301	6.43	0.000303
1	1	14	2011	3	26	11.3124	1105.665	6.6500	4.7481	97.7390	4.34	0.003655
1	1	14	2011	3	27	7.8196	212.930	6.6500	4.7481	27.2301	6.19	0.007008
1	1	14	2011	3	28	0.5860	25.771	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	15	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	15	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	15	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	15	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	15	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	15	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	15	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	15	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	15	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	15	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	15	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	15	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	15	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	15	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	15	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	15	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	15	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	15	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	15	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	15	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	15	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	15	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	15	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2011	1	1	0.4519	13.563	7.2800	5.3799	30.0117	24.09	0.281246
1	1	15	2011	1	2	0.2662	10.699	8.0600	5.7548	40.1957	18.52	0.101405

1	1	15	2011	1	3	0.3047	12.246	8.0600	5.7548	40.1957	18.52	0.337320
1	1	15	2011	1	4	0.7179	27.148	8.0600	5.7548	37.8166	14.25	0.103547
1	1	15	2011	1	5	0.7896	29.859	8.0600	5.7548	37.8166	14.25	0.047578
1	1	15	2011	1	6	0.6703	25.316	6.8800	4.9123	37.7707	10.10	0.027524
1	1	15	2011	1	7	0.6708	25.336	6.8800	4.9123	37.7707	9.36	0.000969
1	1	15	2011	1	8	0.6039	22.037	6.8800	4.9123	36.4932	9.33	0.000281
1	1	15	2011	1	9	0.6719	24.519	6.8800	4.9123	36.4931	8.00	0.000959
1	1	15	2011	1	10	0.6688	24.408	6.8800	4.9123	36.4932	8.12	0.001996
1	1	15	2011	1	11	0.7356	26.845	6.8800	4.9123	36.4932	7.44	0.000819
1	1	15	2011	1	12	0.7752	28.291	6.8800	4.9123	36.4932	7.05	0.000002
1	1	15	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2011	1	14	0.1812	5.438	7.2800	5.1979	30.0117	32.28	0.000028
1	1	15	2011	1	15	0.1352	6.530	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2011	1	16	0.2237	10.079	6.6500	4.7481	45.0549	12.93	0.008198
1	1	15	2011	1	17	0.2441	11.533	6.6500	4.7481	47.2522	11.65	0.002544
1	1	15	2011	1	18	0.3187	18.067	6.6500	4.7481	56.6821	10.18	0.002699
1	1	15	2011	1	19	0.3534	20.032	6.6500	4.7481	56.6821	9.86	0.001293
1	1	15	2011	1	20	0.4179	27.066	6.6500	4.7481	64.7605	8.70	0.006032
1	1	15	2011	1	21	0.5116	33.135	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2011	1	22	0.5351	69.678	6.6500	4.7481	130.2221	6.58	0.010278
1	1	15	2011	1	23	0.6300	124.631	6.6500	4.7481	197.8148	6.28	0.036527
1	1	15	2011	1	24	2.5930	22.254	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2011	1	25	1.2076	32.883	6.8800	4.9123	27.2301	6.43	0.000303
1	1	15	2011	1	26	0.4888	47.775	6.6500	4.7481	97.7390	4.34	0.003655
1	1	15	2011	1	27	0.7564	20.598	6.6500	4.7481	27.2301	6.19	0.007008
1	1	15	2011	1	28	0.4697	20.654	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2011	2	1	12.0187	360.702	7.2800	5.3799	30.0117	24.09	0.281246
1	1	15	2011	2	2	9.7780	393.031	8.0600	5.7548	40.1957	18.52	0.101405
1	1	15	2011	2	3	10.3395	415.602	8.0600	5.7548	40.1957	18.52	0.337320
1	1	15	2011	2	4	15.0763	570.135	8.0600	5.7548	37.8166	14.25	0.103547
1	1	15	2011	2	5	15.3576	580.774	8.0600	5.7548	37.8166	14.25	0.047578
1	1	15	2011	2	6	10.5486	398.427	6.8800	4.9123	37.7707	10.10	0.027524
1	1	15	2011	2	7	11.7070	442.182	6.8800	4.9123	37.7707	9.36	0.000969
1	1	15	2011	2	8	11.3175	413.012	6.8800	4.9123	36.4932	9.33	0.000281
1	1	15	2011	2	9	13.1894	481.323	6.8800	4.9123	36.4931	8.00	0.000959
1	1	15	2011	2	10	13.0680	476.893	6.8800	4.9123	36.4932	8.12	0.001996
1	1	15	2011	2	11	15.4900	565.278	6.8800	4.9123	36.4932	7.44	0.000819
1	1	15	2011	2	12	16.5095	602.483	6.8800	4.9123	36.4932	7.05	0.000002
1	1	15	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2011	2	14	1.0720	32.171	7.2800	5.1979	30.0117	32.28	0.000028
1	1	15	2011	2	15	0.4778	23.069	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2011	2	16	0.8316	37.468	6.6500	4.7481	45.0549	12.93	0.008198
1	1	15	2011	2	17	0.8830	41.725	6.6500	4.7481	47.2522	11.65	0.002544
1	1	15	2011	2	18	1.2482	70.753	6.6500	4.7481	56.6821	10.18	0.002699
1	1	15	2011	2	19	1.3465	76.320	6.6500	4.7481	56.6821	9.86	0.001293
1	1	15	2011	2	20	1.2920	83.669	6.6500	4.7481	64.7605	8.70	0.006032
1	1	15	2011	2	21	1.5905	103.004	6.6500	4.7481	64.7605	7.53	0.008655

1	1	15	2011	2	22	2.0776	270.548	6.6500	4.7481	130.2221	6.58	0.010278
1	1	15	2011	2	23	2.6189	518.055	6.6500	4.7481	197.8148	6.28	0.036527
1	1	15	2011	2	24	16.5933	142.407	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2011	2	25	18.8058	512.084	6.8800	4.9123	27.2301	6.43	0.000303
1	1	15	2011	2	26	4.0705	397.844	6.6500	4.7481	97.7390	4.34	0.003655
1	1	15	2011	2	27	2.4622	67.047	6.6500	4.7481	27.2301	6.19	0.007008
1	1	15	2011	2	28	0.8090	35.573	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2011	3	1	0.5279	15.844	7.2800	5.3799	30.0117	24.09	0.281246
1	1	15	2011	3	2	0.3714	14.927	8.0600	5.7548	40.1957	18.52	0.101405
1	1	15	2011	3	3	0.5743	23.085	8.0600	5.7548	40.1957	18.52	0.337320
1	1	15	2011	3	4	1.1081	41.905	8.0600	5.7548	37.8166	14.25	0.103547
1	1	15	2011	3	5	1.5374	58.141	8.0600	5.7548	37.8166	14.25	0.047578
1	1	15	2011	3	6	1.6470	62.209	6.8800	4.9123	37.7707	10.10	0.027524
1	1	15	2011	3	7	1.7413	65.770	6.8800	4.9123	37.7707	9.36	0.000969
1	1	15	2011	3	8	1.5373	56.099	6.8800	4.9123	36.4932	9.33	0.000281
1	1	15	2011	3	9	1.7838	65.096	6.8800	4.9123	36.4931	8.00	0.000959
1	1	15	2011	3	10	1.7723	64.679	6.8800	4.9123	36.4932	8.12	0.001996
1	1	15	2011	3	11	1.9546	71.329	6.8800	4.9123	36.4932	7.44	0.000819
1	1	15	2011	3	12	2.0868	76.154	6.8800	4.9123	36.4932	7.05	0.000002
1	1	15	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2011	3	14	0.2578	7.736	7.2800	5.1979	30.0117	32.28	0.000028
1	1	15	2011	3	15	0.1653	7.983	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2011	3	16	2.0804	93.732	6.6500	4.7481	45.0549	12.93	0.008198
1	1	15	2011	3	17	2.1909	103.525	6.6500	4.7481	47.2522	11.65	0.002544
1	1	15	2011	3	18	3.0272	171.586	6.6500	4.7481	56.6821	10.18	0.002699
1	1	15	2011	3	19	3.2728	185.511	6.6500	4.7481	56.6821	9.86	0.001293
1	1	15	2011	3	20	3.7709	244.204	6.6500	4.7481	64.7605	8.70	0.006032
1	1	15	2011	3	21	4.6589	301.712	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2011	3	22	5.3163	692.295	6.6500	4.7481	130.2221	6.58	0.010278
1	1	15	2011	3	23	6.3951	1265.042	6.6500	4.7481	197.8148	6.28	0.036527
1	1	15	2011	3	24	1.6576	14.226	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2011	3	25	3.4405	93.684	6.8800	4.9123	27.2301	6.43	0.000303
1	1	15	2011	3	26	11.0505	1080.061	6.6500	4.7481	97.7390	4.34	0.003655
1	1	15	2011	3	27	7.6387	208.002	6.6500	4.7481	27.2301	6.19	0.007008
1	1	15	2011	3	28	0.5732	25.208	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	16	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	16	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	16	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	16	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	16	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	16	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	16	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	16	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	16	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	16	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	16	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002

1	1	16	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	16	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	16	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	16	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	16	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	16	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	16	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	16	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	16	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	16	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	16	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	16	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2011	1	1	0.4416	13.252	7.2800	5.3799	30.0117	24.09	0.281246
1	1	16	2011	1	2	0.2599	10.449	8.0600	5.7548	40.1957	18.52	0.101405
1	1	16	2011	1	3	0.2977	11.968	8.0600	5.7548	40.1957	18.52	0.337320
1	1	16	2011	1	4	0.7014	26.526	8.0600	5.7548	37.8166	14.25	0.103547
1	1	16	2011	1	5	0.7716	29.180	8.0600	5.7548	37.8166	14.25	0.047578
1	1	16	2011	1	6	0.6342	23.953	6.8800	4.9123	37.7707	10.10	0.027524
1	1	16	2011	1	7	0.6347	23.972	6.8800	4.9123	37.7707	9.36	0.000969
1	1	16	2011	1	8	0.5719	20.869	6.8800	4.9123	36.4932	9.33	0.000281
1	1	16	2011	1	9	0.6356	23.195	6.8800	4.9123	36.4931	8.00	0.000959
1	1	16	2011	1	10	0.6328	23.091	6.8800	4.9123	36.4932	8.12	0.001996
1	1	16	2011	1	11	0.6954	25.376	6.8800	4.9123	36.4932	7.44	0.000819
1	1	16	2011	1	12	0.7325	26.731	6.8800	4.9123	36.4932	7.05	0.000002
1	1	16	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2011	1	14	0.1764	5.293	7.2800	5.1979	30.0117	32.28	0.000028
1	1	16	2011	1	15	0.1315	6.348	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2011	1	16	0.2157	9.718	6.6500	4.7481	45.0549	12.93	0.008198
1	1	16	2011	1	17	0.2353	11.120	6.6500	4.7481	47.2522	11.65	0.002544
1	1	16	2011	1	18	0.3073	17.420	6.6500	4.7481	56.6821	10.18	0.002699
1	1	16	2011	1	19	0.3408	19.315	6.6500	4.7481	56.6821	9.86	0.001293
1	1	16	2011	1	20	0.4030	26.097	6.6500	4.7481	64.7605	8.70	0.006032
1	1	16	2011	1	21	0.4933	31.948	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2011	1	22	0.5159	67.184	6.6500	4.7481	130.2221	6.58	0.010278
1	1	16	2011	1	23	0.6075	120.169	6.6500	4.7481	197.8148	6.28	0.036527
1	1	16	2011	1	24	2.5251	21.671	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2011	1	25	1.1403	31.050	6.8800	4.9123	27.2301	6.43	0.000303
1	1	16	2011	1	26	0.4713	46.065	6.6500	4.7481	97.7390	4.34	0.003655
1	1	16	2011	1	27	0.7294	19.861	6.6500	4.7481	27.2301	6.19	0.007008
1	1	16	2011	1	28	0.4567	20.082	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2011	2	1	11.9325	358.116	7.2800	5.3799	30.0117	24.09	0.281246
1	1	16	2011	2	2	9.7041	390.063	8.0600	5.7548	40.1957	18.52	0.101405
1	1	16	2011	2	3	10.2622	412.496	8.0600	5.7548	40.1957	18.52	0.337320

1	1	16	2011	2	4	14.9445	565.152	8.0600	5.7548	37.8166	14.25	0.103547
1	1	16	2011	2	5	15.2244	575.735	8.0600	5.7548	37.8166	14.25	0.047578
1	1	16	2011	2	6	9.9738	376.715	6.8800	4.9123	37.7707	10.10	0.027524
1	1	16	2011	2	7	11.0690	418.086	6.8800	4.9123	37.7707	9.36	0.000969
1	1	16	2011	2	8	10.7008	390.505	6.8800	4.9123	36.4932	9.33	0.000281
1	1	16	2011	2	9	12.4707	455.094	6.8800	4.9123	36.4931	8.00	0.000959
1	1	16	2011	2	10	12.3559	450.905	6.8800	4.9123	36.4932	8.12	0.001996
1	1	16	2011	2	11	14.6459	534.474	6.8800	4.9123	36.4932	7.44	0.000819
1	1	16	2011	2	12	15.6098	569.652	6.8800	4.9123	36.4932	7.05	0.000002
1	1	16	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2011	2	14	1.0331	31.006	7.2800	5.1979	30.0117	32.28	0.000028
1	1	16	2011	2	15	0.4593	22.177	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2011	2	16	0.7889	35.545	6.6500	4.7481	45.0549	12.93	0.008198
1	1	16	2011	2	17	0.8377	39.584	6.6500	4.7481	47.2522	11.65	0.002544
1	1	16	2011	2	18	1.1842	67.122	6.6500	4.7481	56.6821	10.18	0.002699
1	1	16	2011	2	19	1.2774	72.403	6.6500	4.7481	56.6821	9.86	0.001293
1	1	16	2011	2	20	1.2257	79.375	6.6500	4.7481	64.7605	8.70	0.006032
1	1	16	2011	2	21	1.5089	97.718	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2011	2	22	1.9710	256.664	6.6500	4.7481	130.2221	6.58	0.010278
1	1	16	2011	2	23	2.4845	491.469	6.6500	4.7481	197.8148	6.28	0.036527
1	1	16	2011	2	24	15.9502	136.888	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2011	2	25	17.7810	484.179	6.8800	4.9123	27.2301	6.43	0.000303
1	1	16	2011	2	26	3.8616	377.427	6.6500	4.7481	97.7390	4.34	0.003655
1	1	16	2011	2	27	2.3359	63.607	6.6500	4.7481	27.2301	6.19	0.007008
1	1	16	2011	2	28	0.7789	34.251	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2011	3	1	0.5200	15.607	7.2800	5.3799	30.0117	24.09	0.281246
1	1	16	2011	3	2	0.3654	14.689	8.0600	5.7548	40.1957	18.52	0.101405
1	1	16	2011	3	3	0.5658	22.744	8.0600	5.7548	40.1957	18.52	0.337320
1	1	16	2011	3	4	1.0932	41.339	8.0600	5.7548	37.8166	14.25	0.103547
1	1	16	2011	3	5	1.5184	57.419	8.0600	5.7548	37.8166	14.25	0.047578
1	1	16	2011	3	6	1.6599	62.697	6.8800	4.9123	37.7707	10.10	0.027524
1	1	16	2011	3	7	1.7549	66.285	6.8800	4.9123	37.7707	9.36	0.000969
1	1	16	2011	3	8	1.5493	56.539	6.8800	4.9123	36.4932	9.33	0.000281
1	1	16	2011	3	9	1.7978	65.606	6.8800	4.9123	36.4931	8.00	0.000959
1	1	16	2011	3	10	1.7862	65.185	6.8800	4.9123	36.4932	8.12	0.001996
1	1	16	2011	3	11	1.9699	71.888	6.8800	4.9123	36.4932	7.44	0.000819
1	1	16	2011	3	12	2.1032	76.751	6.8800	4.9123	36.4932	7.05	0.000002
1	1	16	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2011	3	14	0.2526	7.582	7.2800	5.1979	30.0117	32.28	0.000028
1	1	16	2011	3	15	0.1620	7.824	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2011	3	16	2.0374	91.793	6.6500	4.7481	45.0549	12.93	0.008198
1	1	16	2011	3	17	2.1456	101.383	6.6500	4.7481	47.2522	11.65	0.002544
1	1	16	2011	3	18	2.9645	168.037	6.6500	4.7481	56.6821	10.18	0.002699
1	1	16	2011	3	19	3.2051	181.674	6.6500	4.7481	56.6821	9.86	0.001293
1	1	16	2011	3	20	3.6916	239.073	6.6500	4.7481	64.7605	8.70	0.006032
1	1	16	2011	3	21	4.5610	295.372	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2011	3	22	5.2085	678.259	6.6500	4.7481	130.2221	6.58	0.010278

1	1	16	2011	3	23	6.2677	1239.848	6.6500	4.7481	197.8148	6.28	0.036527
1	1	16	2011	3	24	1.6720	14.350	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2011	3	25	3.4674	94.418	6.8800	4.9123	27.2301	6.43	0.000303
1	1	16	2011	3	26	10.8161	1057.152	6.6500	4.7481	97.7390	4.34	0.003655
1	1	16	2011	3	27	7.4767	203.593	6.6500	4.7481	27.2301	6.19	0.007008
1	1	16	2011	3	28	0.5618	24.704	8.0600	5.7548	43.9743	17.00	0.002242
1	1	17	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	17	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	17	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	17	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	17	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	17	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	17	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	17	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	17	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	17	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	17	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	17	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	17	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	17	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	17	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	17	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	17	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	17	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	17	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	17	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	17	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	17	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	17	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	17	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	17	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	17	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	17	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	17	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	17	2011	1	1	0.4323	12.973	7.2800	5.3799	30.0117	24.09	0.281246
1	1	17	2011	1	2	0.2543	10.224	8.0600	5.7548	40.1957	18.52	0.101405
1	1	17	2011	1	3	0.2915	11.717	8.0600	5.7548	40.1957	18.52	0.337320
1	1	17	2011	1	4	0.6866	25.967	8.0600	5.7548	37.8166	14.25	0.103547
1	1	17	2011	1	5	0.7555	28.570	8.0600	5.7548	37.8166	14.25	0.047578
1	1	17	2011	1	6	0.6017	22.726	6.8800	4.9123	37.7707	10.10	0.027524
1	1	17	2011	1	7	0.6022	22.744	6.8800	4.9123	37.7707	9.36	0.000969
1	1	17	2011	1	8	0.5430	19.817	6.8800	4.9123	36.4932	9.33	0.000281
1	1	17	2011	1	9	0.6030	22.004	6.8800	4.9123	36.4931	8.00	0.000959
1	1	17	2011	1	10	0.6003	21.906	6.8800	4.9123	36.4932	8.12	0.001996
1	1	17	2011	1	11	0.6591	24.054	6.8800	4.9123	36.4932	7.44	0.000819
1	1	17	2011	1	12	0.6940	25.327	6.8800	4.9123	36.4932	7.05	0.000002
1	1	17	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	17	2011	1	14	0.1720	5.163	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	17	2011	1	15	0.1281	6.183	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	17	2011	1	16	0.2085	9.393	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	17	2011	1	17	0.2275	10.749	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	17	2011	1	18	0.2971	16.838	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	17	2011	1	19	0.3294	18.670	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	17	2011	1	20	0.3895	25.225	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	17	2011	1	21	0.4768	30.881	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	17	2011	1	22	0.4987	64.938	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	17	2011	1	23	0.5872	116.153	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	17	2011	1	24	2.4640	21.146	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	17	2011	1	25	1.0797	29.401	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	17	2011	1	26	0.4556	44.526	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	17	2011	1	27	0.7050	19.197	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	17	2011	1	28	0.4450	19.567	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	17	2011	2	1	11.8550	355.789	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	17	2011	2	2	9.6376	387.391	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	17	2011	2	3	10.1927	409.701	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	17	2011	2	4	14.8259	560.667	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	17	2011	2	5	15.1045	571.200	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	17	2011	2	6	9.4564	357.175	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	17	2011	2	7	10.4949	396.399	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	17	2011	2	8	10.1457	370.250	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	17	2011	2	9	11.8238	431.488	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	17	2011	2	10	11.7150	427.516	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	17	2011	2	11	13.8862	506.751	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	17	2011	2	12	14.8001	540.103	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	17	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	17	2011	2	14	0.9982	29.957	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	17	2011	2	15	0.4427	21.374	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	17	2011	2	16	0.7505	33.814	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	17	2011	2	17	0.7969	37.657	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	17	2011	2	18	1.1265	63.854	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	17	2011	2	19	1.2152	68.878	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	17	2011	2	20	1.1660	75.511	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	17	2011	2	21	1.4354	92.960	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	17	2011	2	22	1.8750	244.168	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	17	2011	2	23	2.3635	467.542	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	17	2011	2	24	15.3714	131.921	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	17	2011	2	25	16.8587	459.064	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	17	2011	2	26	3.6736	359.051	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	17	2011	2	27	2.2222	60.510	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	17	2011	2	28	0.7518	33.060	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	17	2011	3	1	0.5129	15.393	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	17	2011	3	2	0.3601	14.474	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	17	2011	3	3	0.5582	22.438	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	17	2011	3	4	1.0797	40.831	8.0600	5.7548	37.8166	14.25
0.103547											

1	1	17	2011	3	5	1.5012	56.769	8.0600	5.7548	37.8166	14.25	0.047578
1	1	17	2011	3	6	1.6715	63.135	6.8800	4.9123	37.7707	10.10	0.027524
1	1	17	2011	3	7	1.7672	66.749	6.8800	4.9123	37.7707	9.36	0.000969
1	1	17	2011	3	8	1.5601	56.934	6.8800	4.9123	36.4932	9.33	0.000281
1	1	17	2011	3	9	1.8103	66.065	6.8800	4.9123	36.4931	8.00	0.000959
1	1	17	2011	3	10	1.7987	65.641	6.8800	4.9123	36.4932	8.12	0.001996
1	1	17	2011	3	11	1.9837	72.391	6.8800	4.9123	36.4932	7.44	0.000819
1	1	17	2011	3	12	2.1179	77.288	6.8800	4.9123	36.4932	7.05	0.000002
1	1	17	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	17	2011	3	14	0.2481	7.445	7.2800	5.1979	30.0117	32.28	0.000028
1	1	17	2011	3	15	0.1591	7.680	8.0600	5.7548	48.2848	22.10	0.004518
1	1	17	2011	3	16	1.9986	90.048	6.6500	4.7481	45.0549	12.93	0.008198
1	1	17	2011	3	17	2.1048	99.456	6.6500	4.7481	47.2522	11.65	0.002544
1	1	17	2011	3	18	2.9082	164.843	6.6500	4.7481	56.6821	10.18	0.002699
1	1	17	2011	3	19	3.1442	178.221	6.6500	4.7481	56.6821	9.86	0.001293
1	1	17	2011	3	20	3.6203	234.454	6.6500	4.7481	64.7605	8.70	0.006032
1	1	17	2011	3	21	4.4729	289.665	6.6500	4.7481	64.7605	7.53	0.008655
1	1	17	2011	3	22	5.1115	665.627	6.6500	4.7481	130.2221	6.58	0.010278
1	1	17	2011	3	23	6.1531	1217.173	6.6500	4.7481	197.8148	6.28	0.036527
1	1	17	2011	3	24	1.6850	14.461	1.3500	0.9639	8.5822	50.00	0.002374
1	1	17	2011	3	25	3.4917	95.079	6.8800	4.9123	27.2301	6.43	0.000303
1	1	17	2011	3	26	10.6051	1036.534	6.6500	4.7481	97.7390	4.34	0.003655
1	1	17	2011	3	27	7.3310	199.624	6.6500	4.7481	27.2301	6.19	0.007008
1	1	17	2011	3	28	0.5515	24.251	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	18	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	18	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	18	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	18	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	18	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	18	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	18	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	18	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	18	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	18	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	18	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	18	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	18	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	18	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	18	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	18	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	18	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	18	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	18	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527

1	1	18	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	18	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	18	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	18	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2011	1	1	0.4238	12.720	7.2800	5.3799	30.0117	24.09	0.281246
1	1	18	2011	1	2	0.2493	10.020	8.0600	5.7548	40.1957	18.52	0.101405
1	1	18	2011	1	3	0.2859	11.490	8.0600	5.7548	40.1957	18.52	0.337320
1	1	18	2011	1	4	0.6733	25.460	8.0600	5.7548	37.8166	14.25	0.103547
1	1	18	2011	1	5	0.7409	28.017	8.0600	5.7548	37.8166	14.25	0.047578
1	1	18	2011	1	6	0.5708	21.560	6.8800	4.9123	37.7707	10.10	0.027524
1	1	18	2011	1	7	0.5712	21.576	6.8800	4.9123	37.7707	9.36	0.000969
1	1	18	2011	1	8	0.5156	18.816	6.8800	4.9123	36.4932	9.33	0.000281
1	1	18	2011	1	9	0.5719	20.869	6.8800	4.9123	36.4931	8.00	0.000959
1	1	18	2011	1	10	0.5693	20.777	6.8800	4.9123	36.4932	8.12	0.001996
1	1	18	2011	1	11	0.6246	22.793	6.8800	4.9123	36.4932	7.44	0.000819
1	1	18	2011	1	12	0.6573	23.988	6.8800	4.9123	36.4932	7.05	0.000002
1	1	18	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2011	1	14	0.1672	5.019	7.2800	5.1979	30.0117	32.28	0.000028
1	1	18	2011	1	15	0.1243	6.001	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2011	1	16	0.2005	9.032	6.6500	4.7481	45.0549	12.93	0.008198
1	1	18	2011	1	17	0.2187	10.336	6.6500	4.7481	47.2522	11.65	0.002544
1	1	18	2011	1	18	0.2856	16.191	6.6500	4.7481	56.6821	10.18	0.002699
1	1	18	2011	1	19	0.3167	17.952	6.6500	4.7481	56.6821	9.86	0.001293
1	1	18	2011	1	20	0.3745	24.255	6.6500	4.7481	64.7605	8.70	0.006032
1	1	18	2011	1	21	0.4585	29.694	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2011	1	22	0.4795	62.443	6.6500	4.7481	130.2221	6.58	0.010278
1	1	18	2011	1	23	0.5646	111.690	6.6500	4.7481	197.8148	6.28	0.036527
1	1	18	2011	1	24	2.4072	20.659	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2011	1	25	1.0221	27.832	6.8800	4.9123	27.2301	6.43	0.000303
1	1	18	2011	1	26	0.4381	42.815	6.6500	4.7481	97.7390	4.34	0.003655
1	1	18	2011	1	27	0.6779	18.459	6.6500	4.7481	27.2301	6.19	0.007008
1	1	18	2011	1	28	0.4319	18.994	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2011	2	1	11.7911	353.871	7.2800	5.3799	30.0117	24.09	0.281246
1	1	18	2011	2	2	9.5818	385.145	8.0600	5.7548	40.1957	18.52	0.101405
1	1	18	2011	2	3	10.1347	407.372	8.0600	5.7548	40.1957	18.52	0.337320
1	1	18	2011	2	4	14.7320	557.116	8.0600	5.7548	37.8166	14.25	0.103547
1	1	18	2011	2	5	15.0096	567.613	8.0600	5.7548	37.8166	14.25	0.047578
1	1	18	2011	2	6	8.9716	338.862	6.8800	4.9123	37.7707	10.10	0.027524
1	1	18	2011	2	7	9.9568	376.076	6.8800	4.9123	37.7707	9.36	0.000969
1	1	18	2011	2	8	9.6255	351.267	6.8800	4.9123	36.4932	9.33	0.000281
1	1	18	2011	2	9	11.2176	409.365	6.8800	4.9123	36.4931	8.00	0.000959
1	1	18	2011	2	10	11.1143	405.597	6.8800	4.9123	36.4932	8.12	0.001996
1	1	18	2011	2	11	13.1742	480.769	6.8800	4.9123	36.4932	7.44	0.000819
1	1	18	2011	2	12	14.0413	512.412	6.8800	4.9123	36.4932	7.05	0.000002
1	1	18	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2011	2	14	0.9641	28.934	7.2800	5.1979	30.0117	32.28	0.000028

1	1	18	2011	2	15	0.4265	20.591	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2011	2	16	0.7131	32.127	6.6500	4.7481	45.0549	12.93	0.008198
1	1	18	2011	2	17	0.7572	35.777	6.6500	4.7481	47.2522	11.65	0.002544
1	1	18	2011	2	18	1.0703	60.667	6.6500	4.7481	56.6821	10.18	0.002699
1	1	18	2011	2	19	1.1545	65.440	6.6500	4.7481	56.6821	9.86	0.001293
1	1	18	2011	2	20	1.1078	71.742	6.6500	4.7481	64.7605	8.70	0.006032
1	1	18	2011	2	21	1.3638	88.321	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2011	2	22	1.7814	231.981	6.6500	4.7481	130.2221	6.58	0.010278
1	1	18	2011	2	23	2.2456	444.206	6.6500	4.7481	197.8148	6.28	0.036527
1	1	18	2011	2	24	14.8364	127.329	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2011	2	25	15.9943	435.528	6.8800	4.9123	27.2301	6.43	0.000303
1	1	18	2011	2	26	3.4902	341.131	6.6500	4.7481	97.7390	4.34	0.003655
1	1	18	2011	2	27	2.1113	57.490	6.6500	4.7481	27.2301	6.19	0.007008
1	1	18	2011	2	28	0.7254	31.900	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2011	3	1	0.5065	15.200	7.2800	5.3799	30.0117	24.09	0.281246
1	1	18	2011	3	2	0.3553	14.280	8.0600	5.7548	40.1957	18.52	0.101405
1	1	18	2011	3	3	0.5513	22.160	8.0600	5.7548	40.1957	18.52	0.337320
1	1	18	2011	3	4	1.0675	40.371	8.0600	5.7548	37.8166	14.25	0.103547
1	1	18	2011	3	5	1.4856	56.181	8.0600	5.7548	37.8166	14.25	0.047578
1	1	18	2011	3	6	1.6891	63.797	6.8800	4.9123	37.7707	10.10	0.027524
1	1	18	2011	3	7	1.7857	67.448	6.8800	4.9123	37.7707	9.36	0.000969
1	1	18	2011	3	8	1.5765	57.531	6.8800	4.9123	36.4932	9.33	0.000281
1	1	18	2011	3	9	1.8293	66.757	6.8800	4.9123	36.4931	8.00	0.000959
1	1	18	2011	3	10	1.8176	66.329	6.8800	4.9123	36.4932	8.12	0.001996
1	1	18	2011	3	11	2.0045	73.149	6.8800	4.9123	36.4932	7.44	0.000819
1	1	18	2011	3	12	2.1401	78.098	6.8800	4.9123	36.4932	7.05	0.000002
1	1	18	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2011	3	14	0.2437	7.314	7.2800	5.1979	30.0117	32.28	0.000028
1	1	18	2011	3	15	0.1562	7.544	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2011	3	16	1.9619	88.395	6.6500	4.7481	45.0549	12.93	0.008198
1	1	18	2011	3	17	2.0662	97.630	6.6500	4.7481	47.2522	11.65	0.002544
1	1	18	2011	3	18	2.8548	161.816	6.6500	4.7481	56.6821	10.18	0.002699
1	1	18	2011	3	19	3.0865	174.948	6.6500	4.7481	56.6821	9.86	0.001293
1	1	18	2011	3	20	3.5528	230.078	6.6500	4.7481	64.7605	8.70	0.006032
1	1	18	2011	3	21	4.3894	284.258	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2011	3	22	5.0195	653.656	6.6500	4.7481	130.2221	6.58	0.010278
1	1	18	2011	3	23	6.0445	1195.686	6.6500	4.7481	197.8148	6.28	0.036527
1	1	18	2011	3	24	1.7094	14.671	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2011	3	25	3.5283	96.075	6.8800	4.9123	27.2301	6.43	0.000303
1	1	18	2011	3	26	10.4052	1016.997	6.6500	4.7481	97.7390	4.34	0.003655
1	1	18	2011	3	27	7.1929	195.864	6.6500	4.7481	27.2301	6.19	0.007008
1	1	18	2011	3	28	0.5417	23.821	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	19	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	19	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	19	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	19	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578

1	1	19	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	19	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	19	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	19	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	19	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	19	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	19	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	19	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	19	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	19	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	19	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	19	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	19	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	19	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	19	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	19	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	19	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	19	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	19	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2011	1	1	0.4162	12.490	7.2800	5.3799	30.0117	24.09	0.281246
1	1	19	2011	1	2	0.2447	9.835	8.0600	5.7548	40.1957	18.52	0.101405
1	1	19	2011	1	3	0.2807	11.284	8.0600	5.7548	40.1957	18.52	0.337320
1	1	19	2011	1	4	0.6611	25.000	8.0600	5.7548	37.8166	14.25	0.103547
1	1	19	2011	1	5	0.7276	27.514	8.0600	5.7548	37.8166	14.25	0.047578
1	1	19	2011	1	6	0.5427	20.500	6.8800	4.9123	37.7707	10.10	0.027524
1	1	19	2011	1	7	0.5431	20.515	6.8800	4.9123	37.7707	9.36	0.000969
1	1	19	2011	1	8	0.4907	17.907	6.8800	4.9123	36.4932	9.33	0.000281
1	1	19	2011	1	9	0.5436	19.837	6.8800	4.9123	36.4931	8.00	0.000959
1	1	19	2011	1	10	0.5412	19.751	6.8800	4.9123	36.4932	8.12	0.001996
1	1	19	2011	1	11	0.5932	21.647	6.8800	4.9123	36.4932	7.44	0.000819
1	1	19	2011	1	12	0.6240	22.771	6.8800	4.9123	36.4932	7.05	0.000002
1	1	19	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2011	1	14	0.1629	4.888	7.2800	5.1979	30.0117	32.28	0.000028
1	1	19	2011	1	15	0.1208	5.834	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2011	1	16	0.1932	8.704	6.6500	4.7481	45.0549	12.93	0.008198
1	1	19	2011	1	17	0.2108	9.960	6.6500	4.7481	47.2522	11.65	0.002544
1	1	19	2011	1	18	0.2753	15.603	6.6500	4.7481	56.6821	10.18	0.002699
1	1	19	2011	1	19	0.3052	17.300	6.6500	4.7481	56.6821	9.86	0.001293
1	1	19	2011	1	20	0.3609	23.374	6.6500	4.7481	64.7605	8.70	0.006032
1	1	19	2011	1	21	0.4419	28.615	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2011	1	22	0.4621	60.175	6.6500	4.7481	130.2221	6.58	0.010278
1	1	19	2011	1	23	0.5441	107.633	6.6500	4.7481	197.8148	6.28	0.036527
1	1	19	2011	1	24	2.3556	20.217	1.3500	0.9639	8.5822	50.00	0.002374

1	1	19	2011	1	25	0.9697	26.405	6.8800	4.9123	27.2301	6.43	0.000303
1	1	19	2011	1	26	0.4221	41.259	6.6500	4.7481	97.7390	4.34	0.003655
1	1	19	2011	1	27	0.6533	17.789	6.6500	4.7481	27.2301	6.19	0.007008
1	1	19	2011	1	28	0.4201	18.474	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2011	2	1	11.7330	352.127	7.2800	5.3799	30.0117	24.09	0.281246
1	1	19	2011	2	2	9.5310	383.104	8.0600	5.7548	40.1957	18.52	0.101405
1	1	19	2011	2	3	10.0820	405.254	8.0600	5.7548	40.1957	18.52	0.337320
1	1	19	2011	2	4	14.6467	553.888	8.0600	5.7548	37.8166	14.25	0.103547
1	1	19	2011	2	5	14.9234	564.352	8.0600	5.7548	37.8166	14.25	0.047578
1	1	19	2011	2	6	8.5308	322.215	6.8800	4.9123	37.7707	10.10	0.027524
1	1	19	2011	2	7	9.4676	357.600	6.8800	4.9123	37.7707	9.36	0.000969
1	1	19	2011	2	8	9.1527	334.009	6.8800	4.9123	36.4932	9.33	0.000281
1	1	19	2011	2	9	10.6665	389.254	6.8800	4.9123	36.4931	8.00	0.000959
1	1	19	2011	2	10	10.5683	385.671	6.8800	4.9123	36.4932	8.12	0.001996
1	1	19	2011	2	11	12.5270	457.150	6.8800	4.9123	36.4932	7.44	0.000819
1	1	19	2011	2	12	13.3515	487.238	6.8800	4.9123	36.4932	7.05	0.000002
1	1	19	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2011	2	14	0.9331	28.004	7.2800	5.1979	30.0117	32.28	0.000028
1	1	19	2011	2	15	0.4117	19.880	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2011	2	16	0.6790	30.592	6.6500	4.7481	45.0549	12.93	0.008198
1	1	19	2011	2	17	0.7210	34.069	6.6500	4.7481	47.2522	11.65	0.002544
1	1	19	2011	2	18	1.0192	57.770	6.6500	4.7481	56.6821	10.18	0.002699
1	1	19	2011	2	19	1.0994	62.315	6.6500	4.7481	56.6821	9.86	0.001293
1	1	19	2011	2	20	1.0549	68.316	6.6500	4.7481	64.7605	8.70	0.006032
1	1	19	2011	2	21	1.2987	84.103	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2011	2	22	1.6964	220.902	6.6500	4.7481	130.2221	6.58	0.010278
1	1	19	2011	2	23	2.1383	422.992	6.6500	4.7481	197.8148	6.28	0.036527
1	1	19	2011	2	24	14.3500	123.155	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2011	2	25	15.2086	414.131	6.8800	4.9123	27.2301	6.43	0.000303
1	1	19	2011	2	26	3.3235	324.839	6.6500	4.7481	97.7390	4.34	0.003655
1	1	19	2011	2	27	2.0104	54.744	6.6500	4.7481	27.2301	6.19	0.007008
1	1	19	2011	2	28	0.7014	30.845	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2011	3	1	0.5006	15.024	7.2800	5.3799	30.0117	24.09	0.281246
1	1	19	2011	3	2	0.3509	14.104	8.0600	5.7548	40.1957	18.52	0.101405
1	1	19	2011	3	3	0.5450	21.907	8.0600	5.7548	40.1957	18.52	0.337320
1	1	19	2011	3	4	1.0565	39.952	8.0600	5.7548	37.8166	14.25	0.103547
1	1	19	2011	3	5	1.4715	55.647	8.0600	5.7548	37.8166	14.25	0.047578
1	1	19	2011	3	6	1.7050	64.398	6.8800	4.9123	37.7707	10.10	0.027524
1	1	19	2011	3	7	1.8026	68.084	6.8800	4.9123	37.7707	9.36	0.000969
1	1	19	2011	3	8	1.5913	58.073	6.8800	4.9123	36.4932	9.33	0.000281
1	1	19	2011	3	9	1.8465	67.386	6.8800	4.9123	36.4931	8.00	0.000959
1	1	19	2011	3	10	1.8347	66.954	6.8800	4.9123	36.4932	8.12	0.001996
1	1	19	2011	3	11	2.0234	73.839	6.8800	4.9123	36.4932	7.44	0.000819
1	1	19	2011	3	12	2.1602	78.834	6.8800	4.9123	36.4932	7.05	0.000002
1	1	19	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2011	3	14	0.2397	7.195	7.2800	5.1979	30.0117	32.28	0.000028
1	1	19	2011	3	15	0.1537	7.421	8.0600	5.7548	48.2848	22.10	0.004518

1	1	19	2011	3	16	1.9286	86.892	6.6500	4.7481	45.0549	12.93	0.008198
1	1	19	2011	3	17	2.0310	95.970	6.6500	4.7481	47.2522	11.65	0.002544
1	1	19	2011	3	18	2.8063	159.065	6.6500	4.7481	56.6821	10.18	0.002699
1	1	19	2011	3	19	3.0340	171.974	6.6500	4.7481	56.6821	9.86	0.001293
1	1	19	2011	3	20	3.4913	226.100	6.6500	4.7481	64.7605	8.70	0.006032
1	1	19	2011	3	21	4.3135	279.343	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2011	3	22	4.9360	642.774	6.6500	4.7481	130.2221	6.58	0.010278
1	1	19	2011	3	23	5.9457	1176.153	6.6500	4.7481	197.8148	6.28	0.036527
1	1	19	2011	3	24	1.7316	14.861	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2011	3	25	3.5615	96.981	6.8800	4.9123	27.2301	6.43	0.000303
1	1	19	2011	3	26	10.2235	999.236	6.6500	4.7481	97.7390	4.34	0.003655
1	1	19	2011	3	27	7.0674	192.446	6.6500	4.7481	27.2301	6.19	0.007008
1	1	19	2011	3	28	0.5328	23.431	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	20	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	20	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	20	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	20	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	20	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	20	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	20	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	20	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	20	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	20	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	20	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	20	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	20	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	20	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	20	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	20	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	20	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	20	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	20	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	20	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	20	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	20	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	20	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2011	1	1	0.4092	12.280	7.2800	5.3799	30.0117	24.09	0.281246
1	1	20	2011	1	2	0.2405	9.666	8.0600	5.7548	40.1957	18.52	0.101405
1	1	20	2011	1	3	0.2760	11.096	8.0600	5.7548	40.1957	18.52	0.337320
1	1	20	2011	1	4	0.6500	24.580	8.0600	5.7548	37.8166	14.25	0.103547
1	1	20	2011	1	5	0.7154	27.056	8.0600	5.7548	37.8166	14.25	0.047578
1	1	20	2011	1	6	0.5171	19.532	6.8800	4.9123	37.7707	10.10	0.027524

1	1	20	2011	1	7	0.5175	19.546	6.8800	4.9123	37.7707	9.36	0.000969
1	1	20	2011	1	8	0.4679	17.076	6.8800	4.9123	36.4932	9.33	0.000281
1	1	20	2011	1	9	0.5178	18.895	6.8800	4.9123	36.4931	8.00	0.000959
1	1	20	2011	1	10	0.5155	18.814	6.8800	4.9123	36.4932	8.12	0.001996
1	1	20	2011	1	11	0.5645	20.600	6.8800	4.9123	36.4932	7.44	0.000819
1	1	20	2011	1	12	0.5935	21.659	6.8800	4.9123	36.4932	7.05	0.000002
1	1	20	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2011	1	14	0.1589	4.768	7.2800	5.1979	30.0117	32.28	0.000028
1	1	20	2011	1	15	0.1177	5.683	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2011	1	16	0.1865	8.404	6.6500	4.7481	45.0549	12.93	0.008198
1	1	20	2011	1	17	0.2035	9.618	6.6500	4.7481	47.2522	11.65	0.002544
1	1	20	2011	1	18	0.2658	15.066	6.6500	4.7481	56.6821	10.18	0.002699
1	1	20	2011	1	19	0.2947	16.705	6.6500	4.7481	56.6821	9.86	0.001293
1	1	20	2011	1	20	0.3485	22.570	6.6500	4.7481	64.7605	8.70	0.006032
1	1	20	2011	1	21	0.4267	27.631	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2011	1	22	0.4462	58.104	6.6500	4.7481	130.2221	6.58	0.010278
1	1	20	2011	1	23	0.5254	103.928	6.6500	4.7481	197.8148	6.28	0.036527
1	1	20	2011	1	24	2.3085	19.812	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2011	1	25	0.9219	25.102	6.8800	4.9123	27.2301	6.43	0.000303
1	1	20	2011	1	26	0.4076	39.839	6.6500	4.7481	97.7390	4.34	0.003655
1	1	20	2011	1	27	0.6308	17.176	6.6500	4.7481	27.2301	6.19	0.007008
1	1	20	2011	1	28	0.4093	17.998	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2011	2	1	11.6799	350.535	7.2800	5.3799	30.0117	24.09	0.281246
1	1	20	2011	2	2	9.4846	381.240	8.0600	5.7548	40.1957	18.52	0.101405
1	1	20	2011	2	3	10.0339	403.321	8.0600	5.7548	40.1957	18.52	0.337320
1	1	20	2011	2	4	14.5688	550.942	8.0600	5.7548	37.8166	14.25	0.103547
1	1	20	2011	2	5	14.8446	561.374	8.0600	5.7548	37.8166	14.25	0.047578
1	1	20	2011	2	6	8.1284	307.014	6.8800	4.9123	37.7707	10.10	0.027524
1	1	20	2011	2	7	9.0210	340.730	6.8800	4.9123	37.7707	9.36	0.000969
1	1	20	2011	2	8	8.7209	318.253	6.8800	4.9123	36.4932	9.33	0.000281
1	1	20	2011	2	9	10.1633	370.891	6.8800	4.9123	36.4931	8.00	0.000959
1	1	20	2011	2	10	10.0698	367.478	6.8800	4.9123	36.4932	8.12	0.001996
1	1	20	2011	2	11	11.9361	435.584	6.8800	4.9123	36.4932	7.44	0.000819
1	1	20	2011	2	12	12.7217	464.253	6.8800	4.9123	36.4932	7.05	0.000002
1	1	20	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2011	2	14	0.9048	27.154	7.2800	5.1979	30.0117	32.28	0.000028
1	1	20	2011	2	15	0.3983	19.230	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2011	2	16	0.6479	29.192	6.6500	4.7481	45.0549	12.93	0.008198
1	1	20	2011	2	17	0.6880	32.509	6.6500	4.7481	47.2522	11.65	0.002544
1	1	20	2011	2	18	0.9725	55.124	6.6500	4.7481	56.6821	10.18	0.002699
1	1	20	2011	2	19	1.0490	59.462	6.6500	4.7481	56.6821	9.86	0.001293
1	1	20	2011	2	20	1.0066	65.187	6.6500	4.7481	64.7605	8.70	0.006032
1	1	20	2011	2	21	1.2392	80.251	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2011	2	22	1.6187	210.787	6.6500	4.7481	130.2221	6.58	0.010278
1	1	20	2011	2	23	2.0404	403.623	6.6500	4.7481	197.8148	6.28	0.036527
1	1	20	2011	2	24	13.9059	119.344	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2011	2	25	14.4911	394.595	6.8800	4.9123	27.2301	6.43	0.000303

1	1	20	2011	2	26	3.1713	309.964	6.6500	4.7481	97.7390	4.34	0.003655
1	1	20	2011	2	27	1.9184	52.237	6.6500	4.7481	27.2301	6.19	0.007008
1	1	20	2011	2	28	0.6795	29.881	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2011	3	1	0.4953	14.864	7.2800	5.3799	30.0117	24.09	0.281246
1	1	20	2011	3	2	0.3469	13.943	8.0600	5.7548	40.1957	18.52	0.101405
1	1	20	2011	3	3	0.5393	21.677	8.0600	5.7548	40.1957	18.52	0.337320
1	1	20	2011	3	4	1.0464	39.570	8.0600	5.7548	37.8166	14.25	0.103547
1	1	20	2011	3	5	1.4586	55.158	8.0600	5.7548	37.8166	14.25	0.047578
1	1	20	2011	3	6	1.7195	64.947	6.8800	4.9123	37.7707	10.10	0.027524
1	1	20	2011	3	7	1.8179	68.665	6.8800	4.9123	37.7707	9.36	0.000969
1	1	20	2011	3	8	1.6049	58.568	6.8800	4.9123	36.4932	9.33	0.000281
1	1	20	2011	3	9	1.8623	67.960	6.8800	4.9123	36.4931	8.00	0.000959
1	1	20	2011	3	10	1.8503	67.525	6.8800	4.9123	36.4932	8.12	0.001996
1	1	20	2011	3	11	2.0406	74.468	6.8800	4.9123	36.4932	7.44	0.000819
1	1	20	2011	3	12	2.1787	79.506	6.8800	4.9123	36.4932	7.05	0.000002
1	1	20	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2011	3	14	0.2361	7.087	7.2800	5.1979	30.0117	32.28	0.000028
1	1	20	2011	3	15	0.1513	7.308	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2011	3	16	1.8981	85.519	6.6500	4.7481	45.0549	12.93	0.008198
1	1	20	2011	3	17	1.9989	94.455	6.6500	4.7481	47.2522	11.65	0.002544
1	1	20	2011	3	18	2.7619	156.553	6.6500	4.7481	56.6821	10.18	0.002699
1	1	20	2011	3	19	2.9861	169.257	6.6500	4.7481	56.6821	9.86	0.001293
1	1	20	2011	3	20	3.4352	222.467	6.6500	4.7481	64.7605	8.70	0.006032
1	1	20	2011	3	21	4.2442	274.854	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2011	3	22	4.8597	632.838	6.6500	4.7481	130.2221	6.58	0.010278
1	1	20	2011	3	23	5.8556	1158.319	6.6500	4.7481	197.8148	6.28	0.036527
1	1	20	2011	3	24	1.7518	15.035	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2011	3	25	3.5919	97.807	6.8800	4.9123	27.2301	6.43	0.000303
1	1	20	2011	3	26	10.0576	983.019	6.6500	4.7481	97.7390	4.34	0.003655
1	1	20	2011	3	27	6.9527	189.324	6.6500	4.7481	27.2301	6.19	0.007008
1	1	20	2011	3	28	0.5247	23.074	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	21	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	21	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	21	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	21	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	21	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	21	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	21	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	21	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	21	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	21	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	21	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	21	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	21	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198

1	1	21	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	21	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	21	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	21	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	21	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	21	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	21	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	21	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	21	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	21	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2011	1	1	0.4028	12.087	7.2800	5.3799	30.0117	24.09	0.281246
1	1	21	2011	1	2	0.2366	9.511	8.0600	5.7548	40.1957	18.52	0.101405
1	1	21	2011	1	3	0.2717	10.923	8.0600	5.7548	40.1957	18.52	0.337320
1	1	21	2011	1	4	0.6398	24.195	8.0600	5.7548	37.8166	14.25	0.103547
1	1	21	2011	1	5	0.7043	26.635	8.0600	5.7548	37.8166	14.25	0.047578
1	1	21	2011	1	6	0.4936	18.644	6.8800	4.9123	37.7707	10.10	0.027524
1	1	21	2011	1	7	0.4940	18.658	6.8800	4.9123	37.7707	9.36	0.000969
1	1	21	2011	1	8	0.4471	16.315	6.8800	4.9123	36.4932	9.33	0.000281
1	1	21	2011	1	9	0.4941	18.031	6.8800	4.9123	36.4931	8.00	0.000959
1	1	21	2011	1	10	0.4920	17.955	6.8800	4.9123	36.4932	8.12	0.001996
1	1	21	2011	1	11	0.5382	19.641	6.8800	4.9123	36.4932	7.44	0.000819
1	1	21	2011	1	12	0.5656	20.641	6.8800	4.9123	36.4932	7.05	0.000002
1	1	21	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2011	1	14	0.1552	4.659	7.2800	5.1979	30.0117	32.28	0.000028
1	1	21	2011	1	15	0.1148	5.544	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2011	1	16	0.1804	8.130	6.6500	4.7481	45.0549	12.93	0.008198
1	1	21	2011	1	17	0.1969	9.303	6.6500	4.7481	47.2522	11.65	0.002544
1	1	21	2011	1	18	0.2571	14.573	6.6500	4.7481	56.6821	10.18	0.002699
1	1	21	2011	1	19	0.2851	16.159	6.6500	4.7481	56.6821	9.86	0.001293
1	1	21	2011	1	20	0.3371	21.832	6.6500	4.7481	64.7605	8.70	0.006032
1	1	21	2011	1	21	0.4127	26.728	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2011	1	22	0.4316	56.205	6.6500	4.7481	130.2221	6.58	0.010278
1	1	21	2011	1	23	0.5082	100.532	6.6500	4.7481	197.8148	6.28	0.036527
1	1	21	2011	1	24	2.2653	19.442	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2011	1	25	0.8780	23.908	6.8800	4.9123	27.2301	6.43	0.000303
1	1	21	2011	1	26	0.3943	38.538	6.6500	4.7481	97.7390	4.34	0.003655
1	1	21	2011	1	27	0.6102	16.615	6.6500	4.7481	27.2301	6.19	0.007008
1	1	21	2011	1	28	0.3994	17.563	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2011	2	1	11.6313	349.076	7.2800	5.3799	30.0117	24.09	0.281246
1	1	21	2011	2	2	9.4421	379.531	8.0600	5.7548	40.1957	18.52	0.101405
1	1	21	2011	2	3	9.9898	401.549	8.0600	5.7548	40.1957	18.52	0.337320
1	1	21	2011	2	4	14.4973	548.240	8.0600	5.7548	37.8166	14.25	0.103547
1	1	21	2011	2	5	14.7725	558.645	8.0600	5.7548	37.8166	14.25	0.047578
1	1	21	2011	2	6	7.7595	293.081	6.8800	4.9123	37.7707	10.10	0.027524
1	1	21	2011	2	7	8.6116	325.267	6.8800	4.9123	37.7707	9.36	0.000969

1	1	21	2011	2	8	8.3251	303.809	6.8800	4.9123	36.4932	9.33	0.000281
1	1	21	2011	2	9	9.7021	354.059	6.8800	4.9123	36.4931	8.00	0.000959
1	1	21	2011	2	10	9.6128	350.800	6.8800	4.9123	36.4932	8.12	0.001996
1	1	21	2011	2	11	11.3944	415.816	6.8800	4.9123	36.4932	7.44	0.000819
1	1	21	2011	2	12	12.1443	443.184	6.8800	4.9123	36.4932	7.05	0.000002
1	1	21	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2011	2	14	0.8789	26.376	7.2800	5.1979	30.0117	32.28	0.000028
1	1	21	2011	2	15	0.3859	18.634	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2011	2	16	0.6194	27.907	6.6500	4.7481	45.0549	12.93	0.008198
1	1	21	2011	2	17	0.6577	31.078	6.6500	4.7481	47.2522	11.65	0.002544
1	1	21	2011	2	18	0.9297	52.700	6.6500	4.7481	56.6821	10.18	0.002699
1	1	21	2011	2	19	1.0029	56.846	6.6500	4.7481	56.6821	9.86	0.001293
1	1	21	2011	2	20	0.9623	62.320	6.6500	4.7481	64.7605	8.70	0.006032
1	1	21	2011	2	21	1.1847	76.721	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2011	2	22	1.5475	201.515	6.6500	4.7481	130.2221	6.58	0.010278
1	1	21	2011	2	23	1.9506	385.867	6.6500	4.7481	197.8148	6.28	0.036527
1	1	21	2011	2	24	13.4988	115.850	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2011	2	25	13.8334	376.687	6.8800	4.9123	27.2301	6.43	0.000303
1	1	21	2011	2	26	3.0318	296.329	6.6500	4.7481	97.7390	4.34	0.003655
1	1	21	2011	2	27	1.8340	49.939	6.6500	4.7481	27.2301	6.19	0.007008
1	1	21	2011	2	28	0.6594	28.998	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2011	3	1	0.4904	14.717	7.2800	5.3799	30.0117	24.09	0.281246
1	1	21	2011	3	2	0.3432	13.795	8.0600	5.7548	40.1957	18.52	0.101405
1	1	21	2011	3	3	0.5340	21.466	8.0600	5.7548	40.1957	18.52	0.337320
1	1	21	2011	3	4	1.0371	39.220	8.0600	5.7548	37.8166	14.25	0.103547
1	1	21	2011	3	5	1.4467	54.711	8.0600	5.7548	37.8166	14.25	0.047578
1	1	21	2011	3	6	1.7328	65.450	6.8800	4.9123	37.7707	10.10	0.027524
1	1	21	2011	3	7	1.8320	69.197	6.8800	4.9123	37.7707	9.36	0.000969
1	1	21	2011	3	8	1.6173	59.022	6.8800	4.9123	36.4932	9.33	0.000281
1	1	21	2011	3	9	1.8767	68.487	6.8800	4.9123	36.4931	8.00	0.000959
1	1	21	2011	3	10	1.8647	68.048	6.8800	4.9123	36.4932	8.12	0.001996
1	1	21	2011	3	11	2.0564	75.045	6.8800	4.9123	36.4932	7.44	0.000819
1	1	21	2011	3	12	2.1955	80.122	6.8800	4.9123	36.4932	7.05	0.000002
1	1	21	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2011	3	14	0.2328	6.988	7.2800	5.1979	30.0117	32.28	0.000028
1	1	21	2011	3	15	0.1492	7.204	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2011	3	16	1.8702	84.262	6.6500	4.7481	45.0549	12.93	0.008198
1	1	21	2011	3	17	1.9695	93.065	6.6500	4.7481	47.2522	11.65	0.002544
1	1	21	2011	3	18	2.7213	154.250	6.6500	4.7481	56.6821	10.18	0.002699
1	1	21	2011	3	19	2.9422	166.768	6.6500	4.7481	56.6821	9.86	0.001293
1	1	21	2011	3	20	3.3838	219.137	6.6500	4.7481	64.7605	8.70	0.006032
1	1	21	2011	3	21	4.1806	270.740	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2011	3	22	4.7897	623.730	6.6500	4.7481	130.2221	6.58	0.010278
1	1	21	2011	3	23	5.7729	1141.970	6.6500	4.7481	197.8148	6.28	0.036527
1	1	21	2011	3	24	1.7704	15.194	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2011	3	25	3.6197	98.565	6.8800	4.9123	27.2301	6.43	0.000303
1	1	21	2011	3	26	9.9055	968.154	6.6500	4.7481	97.7390	4.34	0.003655

1	1	21	2011	3	27	6.8477	186.463	6.6500	4.7481	27.2301	6.19	0.007008
1	1	21	2011	3	28	0.5173	22.747	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	22	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	22	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	22	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	22	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	22	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	22	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	22	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	22	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	22	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	22	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	22	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	22	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	22	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	22	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	22	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	22	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	22	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	22	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	22	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	22	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	22	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	22	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	22	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2011	1	1	0.3969	11.910	7.2800	5.3799	30.0117	24.09	0.281246
1	1	22	2011	1	2	0.2331	9.369	8.0600	5.7548	40.1957	18.52	0.101405
1	1	22	2011	1	3	0.2678	10.764	8.0600	5.7548	40.1957	18.52	0.337320
1	1	22	2011	1	4	0.6304	23.841	8.0600	5.7548	37.8166	14.25	0.103547
1	1	22	2011	1	5	0.6941	26.248	8.0600	5.7548	37.8166	14.25	0.047578
1	1	22	2011	1	6	0.4720	17.828	6.8800	4.9123	37.7707	10.10	0.027524
1	1	22	2011	1	7	0.4723	17.841	6.8800	4.9123	37.7707	9.36	0.000969
1	1	22	2011	1	8	0.4279	15.614	6.8800	4.9123	36.4932	9.33	0.000281
1	1	22	2011	1	9	0.4723	17.237	6.8800	4.9123	36.4931	8.00	0.000959
1	1	22	2011	1	10	0.4703	17.164	6.8800	4.9123	36.4932	8.12	0.001996
1	1	22	2011	1	11	0.5140	18.758	6.8800	4.9123	36.4932	7.44	0.000819
1	1	22	2011	1	12	0.5399	19.703	6.8800	4.9123	36.4932	7.05	0.000002
1	1	22	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2011	1	14	0.1519	4.558	7.2800	5.1979	30.0117	32.28	0.000028
1	1	22	2011	1	15	0.1122	5.416	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2011	1	16	0.1748	7.877	6.6500	4.7481	45.0549	12.93	0.008198
1	1	22	2011	1	17	0.1908	9.014	6.6500	4.7481	47.2522	11.65	0.002544

1	1	22	2011	1	18	0.2491	14.120	6.6500	4.7481	56.6821	10.18	0.002699
1	1	22	2011	1	19	0.2762	15.657	6.6500	4.7481	56.6821	9.86	0.001293
1	1	22	2011	1	20	0.3266	21.154	6.6500	4.7481	64.7605	8.70	0.006032
1	1	22	2011	1	21	0.3999	25.897	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2011	1	22	0.4182	54.459	6.6500	4.7481	130.2221	6.58	0.010278
1	1	22	2011	1	23	0.4924	97.408	6.6500	4.7481	197.8148	6.28	0.036527
1	1	22	2011	1	24	2.2256	19.101	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2011	1	25	0.8377	22.810	6.8800	4.9123	27.2301	6.43	0.000303
1	1	22	2011	1	26	0.3820	37.340	6.6500	4.7481	97.7390	4.34	0.003655
1	1	22	2011	1	27	0.5912	16.099	6.6500	4.7481	27.2301	6.19	0.007008
1	1	22	2011	1	28	0.3903	17.162	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2011	2	1	11.5866	347.733	7.2800	5.3799	30.0117	24.09	0.281246
1	1	22	2011	2	2	9.4030	377.960	8.0600	5.7548	40.1957	18.52	0.101405
1	1	22	2011	2	3	9.9493	399.918	8.0600	5.7548	40.1957	18.52	0.337320
1	1	22	2011	2	4	14.4316	545.755	8.0600	5.7548	37.8166	14.25	0.103547
1	1	22	2011	2	5	14.7061	556.133	8.0600	5.7548	37.8166	14.25	0.047578
1	1	22	2011	2	6	7.4201	280.262	6.8800	4.9123	37.7707	10.10	0.027524
1	1	22	2011	2	7	8.2350	311.040	6.8800	4.9123	37.7707	9.36	0.000969
1	1	22	2011	2	8	7.9610	290.521	6.8800	4.9123	36.4932	9.33	0.000281
1	1	22	2011	2	9	9.2777	338.573	6.8800	4.9123	36.4931	8.00	0.000959
1	1	22	2011	2	10	9.1923	335.457	6.8800	4.9123	36.4932	8.12	0.001996
1	1	22	2011	2	11	10.8960	397.629	6.8800	4.9123	36.4932	7.44	0.000819
1	1	22	2011	2	12	11.6131	423.800	6.8800	4.9123	36.4932	7.05	0.000002
1	1	22	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2011	2	14	0.8550	25.660	7.2800	5.1979	30.0117	32.28	0.000028
1	1	22	2011	2	15	0.3746	18.086	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2011	2	16	0.5932	26.726	6.6500	4.7481	45.0549	12.93	0.008198
1	1	22	2011	2	17	0.6299	29.763	6.6500	4.7481	47.2522	11.65	0.002544
1	1	22	2011	2	18	0.8904	50.469	6.6500	4.7481	56.6821	10.18	0.002699
1	1	22	2011	2	19	0.9604	54.440	6.6500	4.7481	56.6821	9.86	0.001293
1	1	22	2011	2	20	0.9216	59.682	6.6500	4.7481	64.7605	8.70	0.006032
1	1	22	2011	2	21	1.1345	73.473	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2011	2	22	1.4820	192.984	6.6500	4.7481	130.2221	6.58	0.010278
1	1	22	2011	2	23	1.8681	369.532	6.6500	4.7481	197.8148	6.28	0.036527
1	1	22	2011	2	24	13.1243	112.636	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2011	2	25	13.2284	360.211	6.8800	4.9123	27.2301	6.43	0.000303
1	1	22	2011	2	26	2.9035	283.785	6.6500	4.7481	97.7390	4.34	0.003655
1	1	22	2011	2	27	1.7563	47.825	6.6500	4.7481	27.2301	6.19	0.007008
1	1	22	2011	2	28	0.6410	28.185	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2011	3	1	0.4859	14.582	7.2800	5.3799	30.0117	24.09	0.281246
1	1	22	2011	3	2	0.3398	13.660	8.0600	5.7548	40.1957	18.52	0.101405
1	1	22	2011	3	3	0.5292	21.271	8.0600	5.7548	40.1957	18.52	0.337320
1	1	22	2011	3	4	1.0286	38.898	8.0600	5.7548	37.8166	14.25	0.103547
1	1	22	2011	3	5	1.4359	54.299	8.0600	5.7548	37.8166	14.25	0.047578
1	1	22	2011	3	6	1.7451	65.913	6.8800	4.9123	37.7707	10.10	0.027524
1	1	22	2011	3	7	1.8450	69.686	6.8800	4.9123	37.7707	9.36	0.000969
1	1	22	2011	3	8	1.6288	59.439	6.8800	4.9123	36.4932	9.33	0.000281

1	1	22	2011	3	9	1.8900	68.972	6.8800	4.9123	36.4931	8.00	0.000959
1	1	22	2011	3	10	1.8779	68.529	6.8800	4.9123	36.4932	8.12	0.001996
1	1	22	2011	3	11	2.0710	75.576	6.8800	4.9123	36.4932	7.44	0.000819
1	1	22	2011	3	12	2.2111	80.689	6.8800	4.9123	36.4932	7.05	0.000002
1	1	22	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2011	3	14	0.2298	6.896	7.2800	5.1979	30.0117	32.28	0.000028
1	1	22	2011	3	15	0.1472	7.109	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2011	3	16	1.8445	83.104	6.6500	4.7481	45.0549	12.93	0.008198
1	1	22	2011	3	17	1.9425	91.787	6.6500	4.7481	47.2522	11.65	0.002544
1	1	22	2011	3	18	2.6839	152.131	6.6500	4.7481	56.6821	10.18	0.002699
1	1	22	2011	3	19	2.9017	164.477	6.6500	4.7481	56.6821	9.86	0.001293
1	1	22	2011	3	20	3.3365	216.074	6.6500	4.7481	64.7605	8.70	0.006032
1	1	22	2011	3	21	4.1222	266.955	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2011	3	22	4.7254	615.351	6.6500	4.7481	130.2221	6.58	0.010278
1	1	22	2011	3	23	5.6969	1126.930	6.6500	4.7481	197.8148	6.28	0.036527
1	1	22	2011	3	24	1.7875	15.340	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2011	3	25	3.6453	99.262	6.8800	4.9123	27.2301	6.43	0.000303
1	1	22	2011	3	26	9.7656	954.477	6.6500	4.7481	97.7390	4.34	0.003655
1	1	22	2011	3	27	6.7510	183.831	6.6500	4.7481	27.2301	6.19	0.007008
1	1	22	2011	3	28	0.5104	22.447	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	23	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	23	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	23	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	23	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	23	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	23	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	23	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	23	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	23	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	23	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	23	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	23	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	23	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	23	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	23	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	23	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	23	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	23	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	23	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	23	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	23	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	23	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008

1	1	23	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2011	1	1	0.3920	11.764	7.2800	5.3799	30.0117	24.09	0.281246
1	1	23	2011	1	2	0.2302	9.252	8.0600	5.7548	40.1957	18.52	0.101405
1	1	23	2011	1	3	0.2646	10.636	8.0600	5.7548	40.1957	18.52	0.337320
1	1	23	2011	1	4	0.6233	23.572	8.0600	5.7548	37.8166	14.25	0.103547
1	1	23	2011	1	5	0.6864	25.958	8.0600	5.7548	37.8166	14.25	0.047578
1	1	23	2011	1	6	0.4524	17.088	6.8800	4.9123	37.7707	10.10	0.027524
1	1	23	2011	1	7	0.4527	17.100	6.8800	4.9123	37.7707	9.36	0.000969
1	1	23	2011	1	8	0.4105	14.980	6.8800	4.9123	36.4932	9.33	0.000281
1	1	23	2011	1	9	0.4526	16.518	6.8800	4.9123	36.4931	8.00	0.000959
1	1	23	2011	1	10	0.4507	16.449	6.8800	4.9123	36.4932	8.12	0.001996
1	1	23	2011	1	11	0.4921	17.959	6.8800	4.9123	36.4932	7.44	0.000819
1	1	23	2011	1	12	0.5167	18.855	6.8800	4.9123	36.4932	7.05	0.000002
1	1	23	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2011	1	14	0.1484	4.454	7.2800	5.1979	30.0117	32.28	0.000028
1	1	23	2011	1	15	0.1094	5.284	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2011	1	16	0.1691	7.618	6.6500	4.7481	45.0549	12.93	0.008198
1	1	23	2011	1	17	0.1845	8.717	6.6500	4.7481	47.2522	11.65	0.002544
1	1	23	2011	1	18	0.2409	13.655	6.6500	4.7481	56.6821	10.18	0.002699
1	1	23	2011	1	19	0.2671	15.141	6.6500	4.7481	56.6821	9.86	0.001293
1	1	23	2011	1	20	0.3159	20.457	6.6500	4.7481	64.7605	8.70	0.006032
1	1	23	2011	1	21	0.3867	25.044	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2011	1	22	0.4044	52.665	6.6500	4.7481	130.2221	6.58	0.010278
1	1	23	2011	1	23	0.4762	94.200	6.6500	4.7481	197.8148	6.28	0.036527
1	1	23	2011	1	24	2.1843	18.746	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2011	1	25	0.8011	21.815	6.8800	4.9123	27.2301	6.43	0.000303
1	1	23	2011	1	26	0.3695	36.110	6.6500	4.7481	97.7390	4.34	0.003655
1	1	23	2011	1	27	0.5717	15.569	6.6500	4.7481	27.2301	6.19	0.007008
1	1	23	2011	1	28	0.3809	16.750	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2011	2	1	11.5661	347.117	7.2800	5.3799	30.0117	24.09	0.281246
1	1	23	2011	2	2	9.3869	377.312	8.0600	5.7548	40.1957	18.52	0.101405
1	1	23	2011	2	3	9.9331	399.268	8.0600	5.7548	40.1957	18.52	0.337320
1	1	23	2011	2	4	14.3979	544.481	8.0600	5.7548	37.8166	14.25	0.103547
1	1	23	2011	2	5	14.6721	554.848	8.0600	5.7548	37.8166	14.25	0.047578
1	1	23	2011	2	6	7.1273	269.204	6.8800	4.9123	37.7707	10.10	0.027524
1	1	23	2011	2	7	7.9101	298.768	6.8800	4.9123	37.7707	9.36	0.000969
1	1	23	2011	2	8	7.6469	279.059	6.8800	4.9123	36.4932	9.33	0.000281
1	1	23	2011	2	9	8.9117	325.214	6.8800	4.9123	36.4931	8.00	0.000959
1	1	23	2011	2	10	8.8296	322.221	6.8800	4.9123	36.4932	8.12	0.001996
1	1	23	2011	2	11	10.4661	381.940	6.8800	4.9123	36.4932	7.44	0.000819
1	1	23	2011	2	12	11.1549	407.079	6.8800	4.9123	36.4932	7.05	0.000002
1	1	23	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2011	2	14	0.8335	25.014	7.2800	5.1979	30.0117	32.28	0.000028
1	1	23	2011	2	15	0.3643	17.592	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2011	2	16	0.5695	25.660	6.6500	4.7481	45.0549	12.93	0.008198
1	1	23	2011	2	17	0.6047	28.576	6.6500	4.7481	47.2522	11.65	0.002544
1	1	23	2011	2	18	0.8549	48.456	6.6500	4.7481	56.6821	10.18	0.002699

1	1	23	2011	2	19	0.9221	52.268	6.6500	4.7481	56.6821	9.86	0.001293
1	1	23	2011	2	20	0.8848	57.301	6.6500	4.7481	64.7605	8.70	0.006032
1	1	23	2011	2	21	1.0893	70.543	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2011	2	22	1.4229	185.287	6.6500	4.7481	130.2221	6.58	0.010278
1	1	23	2011	2	23	1.7936	354.794	6.6500	4.7481	197.8148	6.28	0.036527
1	1	23	2011	2	24	12.7492	109.416	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2011	2	25	12.7065	345.999	6.8800	4.9123	27.2301	6.43	0.000303
1	1	23	2011	2	26	2.7877	272.466	6.6500	4.7481	97.7390	4.34	0.003655
1	1	23	2011	2	27	1.6863	45.918	6.6500	4.7481	27.2301	6.19	0.007008
1	1	23	2011	2	28	0.6243	27.452	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2011	3	1	0.4817	14.457	7.2800	5.3799	30.0117	24.09	0.281246
1	1	23	2011	3	2	0.3367	13.534	8.0600	5.7548	40.1957	18.52	0.101405
1	1	23	2011	3	3	0.5247	21.092	8.0600	5.7548	40.1957	18.52	0.337320
1	1	23	2011	3	4	1.0207	38.601	8.0600	5.7548	37.8166	14.25	0.103547
1	1	23	2011	3	5	1.4258	53.920	8.0600	5.7548	37.8166	14.25	0.047578
1	1	23	2011	3	6	1.7621	66.554	6.8800	4.9123	37.7707	10.10	0.027524
1	1	23	2011	3	7	1.8629	70.364	6.8800	4.9123	37.7707	9.36	0.000969
1	1	23	2011	3	8	1.6446	60.018	6.8800	4.9123	36.4932	9.33	0.000281
1	1	23	2011	3	9	1.9084	69.642	6.8800	4.9123	36.4931	8.00	0.000959
1	1	23	2011	3	10	1.8961	69.196	6.8800	4.9123	36.4932	8.12	0.001996
1	1	23	2011	3	11	2.0911	76.311	6.8800	4.9123	36.4932	7.44	0.000819
1	1	23	2011	3	12	2.2326	81.474	6.8800	4.9123	36.4932	7.05	0.000002
1	1	23	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2011	3	14	0.2276	6.830	7.2800	5.1979	30.0117	32.28	0.000028
1	1	23	2011	3	15	0.1458	7.040	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2011	3	16	1.8259	82.265	6.6500	4.7481	45.0549	12.93	0.008198
1	1	23	2011	3	17	1.9229	90.860	6.6500	4.7481	47.2522	11.65	0.002544
1	1	23	2011	3	18	2.6568	150.595	6.6500	4.7481	56.6821	10.18	0.002699
1	1	23	2011	3	19	2.8724	162.816	6.6500	4.7481	56.6821	9.86	0.001293
1	1	23	2011	3	20	3.3022	213.852	6.6500	4.7481	64.7605	8.70	0.006032
1	1	23	2011	3	21	4.0798	264.210	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2011	3	22	4.6787	609.274	6.6500	4.7481	130.2221	6.58	0.010278
1	1	23	2011	3	23	5.6418	1116.023	6.6500	4.7481	197.8148	6.28	0.036527
1	1	23	2011	3	24	1.8093	15.528	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2011	3	25	3.6808	100.228	6.8800	4.9123	27.2301	6.43	0.000303
1	1	23	2011	3	26	9.6641	944.560	6.6500	4.7481	97.7390	4.34	0.003655
1	1	23	2011	3	27	6.6809	181.922	6.6500	4.7481	27.2301	6.19	0.007008
1	1	23	2011	3	28	0.5055	22.229	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	24	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	24	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	24	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	24	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	24	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	24	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	24	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	24	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959

1	1	24	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	24	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	24	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	24	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	24	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	24	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	24	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	24	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	24	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	24	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	24	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	24	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	24	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	24	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	24	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2011	1	1	0.3875	11.629	7.2800	5.3799	30.0117	24.09	0.281246
1	1	24	2011	1	2	0.2275	9.144	8.0600	5.7548	40.1957	18.52	0.101405
1	1	24	2011	1	3	0.2616	10.517	8.0600	5.7548	40.1957	18.52	0.337320
1	1	24	2011	1	4	0.6167	23.323	8.0600	5.7548	37.8166	14.25	0.103547
1	1	24	2011	1	5	0.6793	25.689	8.0600	5.7548	37.8166	14.25	0.047578
1	1	24	2011	1	6	0.4343	16.403	6.8800	4.9123	37.7707	10.10	0.027524
1	1	24	2011	1	7	0.4346	16.415	6.8800	4.9123	37.7707	9.36	0.000969
1	1	24	2011	1	8	0.3944	14.392	6.8800	4.9123	36.4932	9.33	0.000281
1	1	24	2011	1	9	0.4344	15.852	6.8800	4.9123	36.4931	8.00	0.000959
1	1	24	2011	1	10	0.4326	15.787	6.8800	4.9123	36.4932	8.12	0.001996
1	1	24	2011	1	11	0.4719	17.220	6.8800	4.9123	36.4932	7.44	0.000819
1	1	24	2011	1	12	0.4952	18.070	6.8800	4.9123	36.4932	7.05	0.000002
1	1	24	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2011	1	14	0.1452	4.358	7.2800	5.1979	30.0117	32.28	0.000028
1	1	24	2011	1	15	0.1069	5.163	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2011	1	16	0.1637	7.378	6.6500	4.7481	45.0549	12.93	0.008198
1	1	24	2011	1	17	0.1787	8.442	6.6500	4.7481	47.2522	11.65	0.002544
1	1	24	2011	1	18	0.2333	13.225	6.6500	4.7481	56.6821	10.18	0.002699
1	1	24	2011	1	19	0.2587	14.663	6.6500	4.7481	56.6821	9.86	0.001293
1	1	24	2011	1	20	0.3059	19.812	6.6500	4.7481	64.7605	8.70	0.006032
1	1	24	2011	1	21	0.3745	24.254	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2011	1	22	0.3917	51.004	6.6500	4.7481	130.2221	6.58	0.010278
1	1	24	2011	1	23	0.4612	91.229	6.6500	4.7481	197.8148	6.28	0.036527
1	1	24	2011	1	24	2.1461	18.418	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2011	1	25	0.7673	20.894	6.8800	4.9123	27.2301	6.43	0.000303
1	1	24	2011	1	26	0.3578	34.971	6.6500	4.7481	97.7390	4.34	0.003655
1	1	24	2011	1	27	0.5537	15.078	6.6500	4.7481	27.2301	6.19	0.007008
1	1	24	2011	1	28	0.3722	16.369	8.0600	5.7548	43.9743	17.00	0.002242

1	1	24	2011	2	1	11.5471	346.548	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	24	2011	2	2	9.3720	376.712	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	24	2011	2	3	9.9181	398.666	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	24	2011	2	4	14.3667	543.302	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	24	2011	2	5	14.6406	553.657	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	24	2011	2	6	6.8563	258.966	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	24	2011	2	7	7.6092	287.405	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	24	2011	2	8	7.3561	268.446	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	24	2011	2	9	8.5727	312.846	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	24	2011	2	10	8.4938	309.966	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	24	2011	2	11	10.0680	367.414	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	24	2011	2	12	10.7307	391.596	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	24	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	24	2011	2	14	0.8135	24.415	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	24	2011	2	15	0.3549	17.134	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	24	2011	2	16	0.5476	24.673	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	24	2011	2	17	0.5815	27.477	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	24	2011	2	18	0.8220	46.592	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	24	2011	2	19	0.8867	50.258	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	24	2011	2	20	0.8508	55.097	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	24	2011	2	21	1.0474	67.829	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	24	2011	2	22	1.3681	178.160	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	24	2011	2	23	1.7246	341.147	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	24	2011	2	24	12.4018	106.435	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	24	2011	2	25	12.2232	332.840	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	24	2011	2	26	2.6805	261.986	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	24	2011	2	27	1.6214	44.152	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	24	2011	2	28	0.6088	26.773	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	24	2011	3	1	0.4779	14.341	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	24	2011	3	2	0.3338	13.418	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	24	2011	3	3	0.5206	20.926	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	24	2011	3	4	1.0135	38.326	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	24	2011	3	5	1.4165	53.568	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	24	2011	3	6	1.7778	67.148	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	24	2011	3	7	1.8795	70.991	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	24	2011	3	8	1.6593	60.553	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	24	2011	3	9	1.9254	70.263	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	24	2011	3	10	1.9130	69.813	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	24	2011	3	11	2.1098	76.992	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	24	2011	3	12	2.2525	82.200	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	24	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	24	2011	3	14	0.2255	6.768	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	24	2011	3	15	0.1445	6.976	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	24	2011	3	16	1.8086	81.488	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	24	2011	3	17	1.9047	90.002	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	24	2011	3	18	2.6317	149.172	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	24	2011	3	19	2.8453	161.278	6.6500	4.7481	56.6821	9.86
0.001293											

1	1	24	2011	3	20	3.2704	211.796	6.6500	4.7481	64.7605	8.70	0.006032
1	1	24	2011	3	21	4.0406	261.669	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2011	3	22	4.6355	603.648	6.6500	4.7481	130.2221	6.58	0.010278
1	1	24	2011	3	23	5.5907	1105.923	6.6500	4.7481	197.8148	6.28	0.036527
1	1	24	2011	3	24	1.8295	15.702	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2011	3	25	3.7136	101.122	6.8800	4.9123	27.2301	6.43	0.000303
1	1	24	2011	3	26	9.5701	935.376	6.6500	4.7481	97.7390	4.34	0.003655
1	1	24	2011	3	27	6.6160	180.155	6.6500	4.7481	27.2301	6.19	0.007008
1	1	24	2011	3	28	0.5009	22.027	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	25	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	25	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	25	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	25	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	25	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	25	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	25	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	25	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	25	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	25	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	25	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	25	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	25	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	25	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	25	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	25	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	25	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	25	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	25	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	25	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	25	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	25	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	25	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2011	1	1	0.3833	11.503	7.2800	5.3799	30.0117	24.09	0.281246
1	1	25	2011	1	2	0.2250	9.044	8.0600	5.7548	40.1957	18.52	0.101405
1	1	25	2011	1	3	0.2589	10.406	8.0600	5.7548	40.1957	18.52	0.337320
1	1	25	2011	1	4	0.6106	23.092	8.0600	5.7548	37.8166	14.25	0.103547
1	1	25	2011	1	5	0.6727	25.439	8.0600	5.7548	37.8166	14.25	0.047578
1	1	25	2011	1	6	0.4175	15.768	6.8800	4.9123	37.7707	10.10	0.027524
1	1	25	2011	1	7	0.4177	15.779	6.8800	4.9123	37.7707	9.36	0.000969
1	1	25	2011	1	8	0.3794	13.847	6.8800	4.9123	36.4932	9.33	0.000281
1	1	25	2011	1	9	0.4174	15.233	6.8800	4.9123	36.4931	8.00	0.000959
1	1	25	2011	1	10	0.4157	15.171	6.8800	4.9123	36.4932	8.12	0.001996

1	1	25	2011	1	11	0.4530	16.533	6.8800	4.9123	36.4932	7.44	0.000819
1	1	25	2011	1	12	0.4752	17.341	6.8800	4.9123	36.4932	7.05	0.000002
1	1	25	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2011	1	14	0.1422	4.269	7.2800	5.1979	30.0117	32.28	0.000028
1	1	25	2011	1	15	0.1046	5.050	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2011	1	16	0.1588	7.154	6.6500	4.7481	45.0549	12.93	0.008198
1	1	25	2011	1	17	0.1733	8.187	6.6500	4.7481	47.2522	11.65	0.002544
1	1	25	2011	1	18	0.2263	12.825	6.6500	4.7481	56.6821	10.18	0.002699
1	1	25	2011	1	19	0.2509	14.220	6.6500	4.7481	56.6821	9.86	0.001293
1	1	25	2011	1	20	0.2967	19.213	6.6500	4.7481	64.7605	8.70	0.006032
1	1	25	2011	1	21	0.3632	23.521	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2011	1	22	0.3798	49.462	6.6500	4.7481	130.2221	6.58	0.010278
1	1	25	2011	1	23	0.4472	88.470	6.6500	4.7481	197.8148	6.28	0.036527
1	1	25	2011	1	24	2.1106	18.113	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2011	1	25	0.7359	20.039	6.8800	4.9123	27.2301	6.43	0.000303
1	1	25	2011	1	26	0.3470	33.914	6.6500	4.7481	97.7390	4.34	0.003655
1	1	25	2011	1	27	0.5370	14.622	6.6500	4.7481	27.2301	6.19	0.007008
1	1	25	2011	1	28	0.3642	16.015	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2011	2	1	11.5294	346.018	7.2800	5.3799	30.0117	24.09	0.281246
1	1	25	2011	2	2	9.3581	376.155	8.0600	5.7548	40.1957	18.52	0.101405
1	1	25	2011	2	3	9.9042	398.106	8.0600	5.7548	40.1957	18.52	0.337320
1	1	25	2011	2	4	14.3378	542.207	8.0600	5.7548	37.8166	14.25	0.103547
1	1	25	2011	2	5	14.6113	552.552	8.0600	5.7548	37.8166	14.25	0.047578
1	1	25	2011	2	6	6.6046	249.459	6.8800	4.9123	37.7707	10.10	0.027524
1	1	25	2011	2	7	7.3299	276.854	6.8800	4.9123	37.7707	9.36	0.000969
1	1	25	2011	2	8	7.0860	258.590	6.8800	4.9123	36.4932	9.33	0.000281
1	1	25	2011	2	9	8.2580	301.360	6.8800	4.9123	36.4931	8.00	0.000959
1	1	25	2011	2	10	8.1820	298.587	6.8800	4.9123	36.4932	8.12	0.001996
1	1	25	2011	2	11	9.6984	353.925	6.8800	4.9123	36.4932	7.44	0.000819
1	1	25	2011	2	12	10.3367	377.220	6.8800	4.9123	36.4932	7.05	0.000002
1	1	25	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2011	2	14	0.7950	23.860	7.2800	5.1979	30.0117	32.28	0.000028
1	1	25	2011	2	15	0.3461	16.709	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2011	2	16	0.5273	23.757	6.6500	4.7481	45.0549	12.93	0.008198
1	1	25	2011	2	17	0.5599	26.456	6.6500	4.7481	47.2522	11.65	0.002544
1	1	25	2011	2	18	0.7915	44.861	6.6500	4.7481	56.6821	10.18	0.002699
1	1	25	2011	2	19	0.8537	48.391	6.6500	4.7481	56.6821	9.86	0.001293
1	1	25	2011	2	20	0.8192	53.050	6.6500	4.7481	64.7605	8.70	0.006032
1	1	25	2011	2	21	1.0085	65.310	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2011	2	22	1.3173	171.542	6.6500	4.7481	130.2221	6.58	0.010278
1	1	25	2011	2	23	1.6605	328.475	6.6500	4.7481	197.8148	6.28	0.036527
1	1	25	2011	2	24	12.0793	103.667	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2011	2	25	11.7745	320.620	6.8800	4.9123	27.2301	6.43	0.000303
1	1	25	2011	2	26	2.5809	252.254	6.6500	4.7481	97.7390	4.34	0.003655
1	1	25	2011	2	27	1.5612	42.512	6.6500	4.7481	27.2301	6.19	0.007008
1	1	25	2011	2	28	0.5945	26.143	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2011	3	1	0.4743	14.234	7.2800	5.3799	30.0117	24.09	0.281246

1	1	25	2011	3	2	0.3311	13.311	8.0600	5.7548	40.1957	18.52	0.101405
1	1	25	2011	3	3	0.5168	20.771	8.0600	5.7548	40.1957	18.52	0.337320
1	1	25	2011	3	4	1.0067	38.070	8.0600	5.7548	37.8166	14.25	0.103547
1	1	25	2011	3	5	1.4079	53.241	8.0600	5.7548	37.8166	14.25	0.047578
1	1	25	2011	3	6	1.7924	67.699	6.8800	4.9123	37.7707	10.10	0.027524
1	1	25	2011	3	7	1.8950	71.574	6.8800	4.9123	37.7707	9.36	0.000969
1	1	25	2011	3	8	1.6729	61.050	6.8800	4.9123	36.4932	9.33	0.000281
1	1	25	2011	3	9	1.9412	70.840	6.8800	4.9123	36.4931	8.00	0.000959
1	1	25	2011	3	10	1.9288	70.386	6.8800	4.9123	36.4932	8.12	0.001996
1	1	25	2011	3	11	2.1271	77.624	6.8800	4.9123	36.4932	7.44	0.000819
1	1	25	2011	3	12	2.2710	82.875	6.8800	4.9123	36.4932	7.05	0.000002
1	1	25	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2011	3	14	0.2236	6.711	7.2800	5.1979	30.0117	32.28	0.000028
1	1	25	2011	3	15	0.1433	6.917	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2011	3	16	1.7926	80.766	6.6500	4.7481	45.0549	12.93	0.008198
1	1	25	2011	3	17	1.8878	89.205	6.6500	4.7481	47.2522	11.65	0.002544
1	1	25	2011	3	18	2.6084	147.851	6.6500	4.7481	56.6821	10.18	0.002699
1	1	25	2011	3	19	2.8201	159.850	6.6500	4.7481	56.6821	9.86	0.001293
1	1	25	2011	3	20	3.2410	209.885	6.6500	4.7481	64.7605	8.70	0.006032
1	1	25	2011	3	21	4.0041	259.309	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2011	3	22	4.5954	598.423	6.6500	4.7481	130.2221	6.58	0.010278
1	1	25	2011	3	23	5.5433	1096.545	6.6500	4.7481	197.8148	6.28	0.036527
1	1	25	2011	3	24	1.8483	15.863	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2011	3	25	3.7441	101.952	6.8800	4.9123	27.2301	6.43	0.000303
1	1	25	2011	3	26	9.4829	926.849	6.6500	4.7481	97.7390	4.34	0.003655
1	1	25	2011	3	27	6.5557	178.514	6.6500	4.7481	27.2301	6.19	0.007008
1	1	25	2011	3	28	0.4966	21.839	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	26	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	26	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	26	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	26	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	26	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	26	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	26	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	26	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	26	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	26	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	26	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	26	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	26	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	26	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	26	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	26	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	26	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032

1	1	26	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	26	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	26	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	26	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	26	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	26	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2011	1	1	0.3794	11.387	7.2800	5.3799	30.0117	24.09	0.281246
1	1	26	2011	1	2	0.2227	8.951	8.0600	5.7548	40.1957	18.52	0.101405
1	1	26	2011	1	3	0.2563	10.303	8.0600	5.7548	40.1957	18.52	0.337320
1	1	26	2011	1	4	0.6049	22.876	8.0600	5.7548	37.8166	14.25	0.103547
1	1	26	2011	1	5	0.6665	25.206	8.0600	5.7548	37.8166	14.25	0.047578
1	1	26	2011	1	6	0.4018	15.176	6.8800	4.9123	37.7707	10.10	0.027524
1	1	26	2011	1	7	0.4021	15.186	6.8800	4.9123	37.7707	9.36	0.000969
1	1	26	2011	1	8	0.3655	13.339	6.8800	4.9123	36.4932	9.33	0.000281
1	1	26	2011	1	9	0.4017	14.658	6.8800	4.9123	36.4931	8.00	0.000959
1	1	26	2011	1	10	0.4000	14.599	6.8800	4.9123	36.4932	8.12	0.001996
1	1	26	2011	1	11	0.4355	15.894	6.8800	4.9123	36.4932	7.44	0.000819
1	1	26	2011	1	12	0.4566	16.662	6.8800	4.9123	36.4932	7.05	0.000002
1	1	26	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2011	1	14	0.1395	4.186	7.2800	5.1979	30.0117	32.28	0.000028
1	1	26	2011	1	15	0.1024	4.945	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2011	1	16	0.1542	6.947	6.6500	4.7481	45.0549	12.93	0.008198
1	1	26	2011	1	17	0.1682	7.949	6.6500	4.7481	47.2522	11.65	0.002544
1	1	26	2011	1	18	0.2197	12.453	6.6500	4.7481	56.6821	10.18	0.002699
1	1	26	2011	1	19	0.2436	13.807	6.6500	4.7481	56.6821	9.86	0.001293
1	1	26	2011	1	20	0.2881	18.655	6.6500	4.7481	64.7605	8.70	0.006032
1	1	26	2011	1	21	0.3527	22.838	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2011	1	22	0.3688	48.026	6.6500	4.7481	130.2221	6.58	0.010278
1	1	26	2011	1	23	0.4343	85.902	6.6500	4.7481	197.8148	6.28	0.036527
1	1	26	2011	1	24	2.0775	17.830	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2011	1	25	0.7067	19.242	6.8800	4.9123	27.2301	6.43	0.000303
1	1	26	2011	1	26	0.3369	32.929	6.6500	4.7481	97.7390	4.34	0.003655
1	1	26	2011	1	27	0.5214	14.197	6.6500	4.7481	27.2301	6.19	0.007008
1	1	26	2011	1	28	0.3567	15.686	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2011	2	1	11.5130	345.526	7.2800	5.3799	30.0117	24.09	0.281246
1	1	26	2011	2	2	9.3452	375.637	8.0600	5.7548	40.1957	18.52	0.101405
1	1	26	2011	2	3	9.8913	397.586	8.0600	5.7548	40.1957	18.52	0.337320
1	1	26	2011	2	4	14.3108	541.187	8.0600	5.7548	37.8166	14.25	0.103547
1	1	26	2011	2	5	14.5841	551.523	8.0600	5.7548	37.8166	14.25	0.047578
1	1	26	2011	2	6	6.3702	240.607	6.8800	4.9123	37.7707	10.10	0.027524
1	1	26	2011	2	7	7.0698	267.030	6.8800	4.9123	37.7707	9.36	0.000969
1	1	26	2011	2	8	6.8346	249.415	6.8800	4.9123	36.4932	9.33	0.000281
1	1	26	2011	2	9	7.9650	290.667	6.8800	4.9123	36.4931	8.00	0.000959
1	1	26	2011	2	10	7.8917	287.992	6.8800	4.9123	36.4932	8.12	0.001996
1	1	26	2011	2	11	9.3543	341.367	6.8800	4.9123	36.4932	7.44	0.000819

1	1	26	2011	2	12	9.9699	363.835	6.8800	4.9123	36.4932	7.05	0.000002
1	1	26	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2011	2	14	0.7778	23.343	7.2800	5.1979	30.0117	32.28	0.000028
1	1	26	2011	2	15	0.3379	16.313	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2011	2	16	0.5083	22.903	6.6500	4.7481	45.0549	12.93	0.008198
1	1	26	2011	2	17	0.5398	25.506	6.6500	4.7481	47.2522	11.65	0.002544
1	1	26	2011	2	18	0.7630	43.250	6.6500	4.7481	56.6821	10.18	0.002699
1	1	26	2011	2	19	0.8231	46.653	6.6500	4.7481	56.6821	9.86	0.001293
1	1	26	2011	2	20	0.7898	51.145	6.6500	4.7481	64.7605	8.70	0.006032
1	1	26	2011	2	21	0.9723	62.964	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2011	2	22	1.2700	165.380	6.6500	4.7481	130.2221	6.58	0.010278
1	1	26	2011	2	23	1.6009	316.676	6.6500	4.7481	197.8148	6.28	0.036527
1	1	26	2011	2	24	11.7790	101.090	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2011	2	25	11.3567	309.244	6.8800	4.9123	27.2301	6.43	0.000303
1	1	26	2011	2	26	2.4882	243.194	6.6500	4.7481	97.7390	4.34	0.003655
1	1	26	2011	2	27	1.5051	40.985	6.6500	4.7481	27.2301	6.19	0.007008
1	1	26	2011	2	28	0.5812	25.556	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2011	3	1	0.4710	14.134	7.2800	5.3799	30.0117	24.09	0.281246
1	1	26	2011	3	2	0.3286	13.210	8.0600	5.7548	40.1957	18.52	0.101405
1	1	26	2011	3	3	0.5132	20.628	8.0600	5.7548	40.1957	18.52	0.337320
1	1	26	2011	3	4	1.0004	37.832	8.0600	5.7548	37.8166	14.25	0.103547
1	1	26	2011	3	5	1.3998	52.937	8.0600	5.7548	37.8166	14.25	0.047578
1	1	26	2011	3	6	1.8060	68.212	6.8800	4.9123	37.7707	10.10	0.027524
1	1	26	2011	3	7	1.9093	72.117	6.8800	4.9123	37.7707	9.36	0.000969
1	1	26	2011	3	8	1.6856	61.513	6.8800	4.9123	36.4932	9.33	0.000281
1	1	26	2011	3	9	1.9559	71.377	6.8800	4.9123	36.4931	8.00	0.000959
1	1	26	2011	3	10	1.9434	70.920	6.8800	4.9123	36.4932	8.12	0.001996
1	1	26	2011	3	11	2.1432	78.212	6.8800	4.9123	36.4932	7.44	0.000819
1	1	26	2011	3	12	2.2882	83.503	6.8800	4.9123	36.4932	7.05	0.000002
1	1	26	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2011	3	14	0.2219	6.658	7.2800	5.1979	30.0117	32.28	0.000028
1	1	26	2011	3	15	0.1421	6.862	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2011	3	16	1.7777	80.094	6.6500	4.7481	45.0549	12.93	0.008198
1	1	26	2011	3	17	1.8721	88.463	6.6500	4.7481	47.2522	11.65	0.002544
1	1	26	2011	3	18	2.5867	146.621	6.6500	4.7481	56.6821	10.18	0.002699
1	1	26	2011	3	19	2.7967	158.520	6.6500	4.7481	56.6821	9.86	0.001293
1	1	26	2011	3	20	3.2135	208.107	6.6500	4.7481	64.7605	8.70	0.006032
1	1	26	2011	3	21	3.9702	257.112	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2011	3	22	4.5581	593.559	6.6500	4.7481	130.2221	6.58	0.010278
1	1	26	2011	3	23	5.4992	1087.814	6.6500	4.7481	197.8148	6.28	0.036527
1	1	26	2011	3	24	1.8658	16.013	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2011	3	25	3.7725	102.725	6.8800	4.9123	27.2301	6.43	0.000303
1	1	26	2011	3	26	9.4017	918.910	6.6500	4.7481	97.7390	4.34	0.003655
1	1	26	2011	3	27	6.4996	176.985	6.6500	4.7481	27.2301	6.19	0.007008
1	1	26	2011	3	28	0.4927	21.665	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	27	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405

1	1	27	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	27	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	27	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	27	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	27	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	27	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	27	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	27	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	27	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	27	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	27	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	27	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	27	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	27	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	27	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	27	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	27	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	27	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	27	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	27	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	27	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	27	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2011	1	1	0.3758	11.277	7.2800	5.3799	30.0117	24.09	0.281246
1	1	27	2011	1	2	0.2205	8.864	8.0600	5.7548	40.1957	18.52	0.101405
1	1	27	2011	1	3	0.2539	10.207	8.0600	5.7548	40.1957	18.52	0.337320
1	1	27	2011	1	4	0.5996	22.676	8.0600	5.7548	37.8166	14.25	0.103547
1	1	27	2011	1	5	0.6608	24.989	8.0600	5.7548	37.8166	14.25	0.047578
1	1	27	2011	1	6	0.3872	14.623	6.8800	4.9123	37.7707	10.10	0.027524
1	1	27	2011	1	7	0.3874	14.633	6.8800	4.9123	37.7707	9.36	0.000969
1	1	27	2011	1	8	0.3525	12.865	6.8800	4.9123	36.4932	9.33	0.000281
1	1	27	2011	1	9	0.3869	14.120	6.8800	4.9123	36.4931	8.00	0.000959
1	1	27	2011	1	10	0.3854	14.064	6.8800	4.9123	36.4932	8.12	0.001996
1	1	27	2011	1	11	0.4192	15.297	6.8800	4.9123	36.4932	7.44	0.000819
1	1	27	2011	1	12	0.4392	16.028	6.8800	4.9123	36.4932	7.05	0.000002
1	1	27	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2011	1	14	0.1369	4.108	7.2800	5.1979	30.0117	32.28	0.000028
1	1	27	2011	1	15	0.1004	4.846	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2011	1	16	0.1499	6.753	6.6500	4.7481	45.0549	12.93	0.008198
1	1	27	2011	1	17	0.1635	7.728	6.6500	4.7481	47.2522	11.65	0.002544
1	1	27	2011	1	18	0.2136	12.105	6.6500	4.7481	56.6821	10.18	0.002699
1	1	27	2011	1	19	0.2368	13.422	6.6500	4.7481	56.6821	9.86	0.001293
1	1	27	2011	1	20	0.2800	18.135	6.6500	4.7481	64.7605	8.70	0.006032
1	1	27	2011	1	21	0.3428	22.201	6.6500	4.7481	64.7605	7.53	0.008655

1	1	27	2011	1	22	0.3585	46.686	6.6500	4.7481	130.2221	6.58	0.010278
1	1	27	2011	1	23	0.4221	83.505	6.6500	4.7481	197.8148	6.28	0.036527
1	1	27	2011	1	24	2.0466	17.565	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2011	1	25	0.6794	18.499	6.8800	4.9123	27.2301	6.43	0.000303
1	1	27	2011	1	26	0.3275	32.010	6.6500	4.7481	97.7390	4.34	0.003655
1	1	27	2011	1	27	0.5068	13.801	6.6500	4.7481	27.2301	6.19	0.007008
1	1	27	2011	1	28	0.3497	15.378	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2011	2	1	11.4977	345.066	7.2800	5.3799	30.0117	24.09	0.281246
1	1	27	2011	2	2	9.3332	375.153	8.0600	5.7548	40.1957	18.52	0.101405
1	1	27	2011	2	3	9.8792	397.100	8.0600	5.7548	40.1957	18.52	0.337320
1	1	27	2011	2	4	14.2857	540.236	8.0600	5.7548	37.8166	14.25	0.103547
1	1	27	2011	2	5	14.5587	550.562	8.0600	5.7548	37.8166	14.25	0.047578
1	1	27	2011	2	6	6.1515	232.345	6.8800	4.9123	37.7707	10.10	0.027524
1	1	27	2011	2	7	6.8270	257.861	6.8800	4.9123	37.7707	9.36	0.000969
1	1	27	2011	2	8	6.5999	240.851	6.8800	4.9123	36.4932	9.33	0.000281
1	1	27	2011	2	9	7.6915	280.687	6.8800	4.9123	36.4931	8.00	0.000959
1	1	27	2011	2	10	7.6207	278.103	6.8800	4.9123	36.4932	8.12	0.001996
1	1	27	2011	2	11	9.0331	329.646	6.8800	4.9123	36.4932	7.44	0.000819
1	1	27	2011	2	12	9.6276	351.342	6.8800	4.9123	36.4932	7.05	0.000002
1	1	27	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2011	2	14	0.7617	22.860	7.2800	5.1979	30.0117	32.28	0.000028
1	1	27	2011	2	15	0.3302	15.944	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2011	2	16	0.4907	22.107	6.6500	4.7481	45.0549	12.93	0.008198
1	1	27	2011	2	17	0.5210	24.619	6.6500	4.7481	47.2522	11.65	0.002544
1	1	27	2011	2	18	0.7365	41.746	6.6500	4.7481	56.6821	10.18	0.002699
1	1	27	2011	2	19	0.7944	45.031	6.6500	4.7481	56.6821	9.86	0.001293
1	1	27	2011	2	20	0.7623	49.367	6.6500	4.7481	64.7605	8.70	0.006032
1	1	27	2011	2	21	0.9385	60.775	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2011	2	22	1.2258	159.630	6.6500	4.7481	130.2221	6.58	0.010278
1	1	27	2011	2	23	1.5452	305.665	6.6500	4.7481	197.8148	6.28	0.036527
1	1	27	2011	2	24	11.4988	98.685	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2011	2	25	10.9667	298.625	6.8800	4.9123	27.2301	6.43	0.000303
1	1	27	2011	2	26	2.4017	234.737	6.6500	4.7481	97.7390	4.34	0.003655
1	1	27	2011	2	27	1.4528	39.559	6.6500	4.7481	27.2301	6.19	0.007008
1	1	27	2011	2	28	0.5687	25.009	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2011	3	1	0.4678	14.041	7.2800	5.3799	30.0117	24.09	0.281246
1	1	27	2011	3	2	0.3263	13.117	8.0600	5.7548	40.1957	18.52	0.101405
1	1	27	2011	3	3	0.5099	20.494	8.0600	5.7548	40.1957	18.52	0.337320
1	1	27	2011	3	4	0.9945	37.610	8.0600	5.7548	37.8166	14.25	0.103547
1	1	27	2011	3	5	1.3923	52.653	8.0600	5.7548	37.8166	14.25	0.047578
1	1	27	2011	3	6	1.8186	68.691	6.8800	4.9123	37.7707	10.10	0.027524
1	1	27	2011	3	7	1.9227	72.623	6.8800	4.9123	37.7707	9.36	0.000969
1	1	27	2011	3	8	1.6974	61.945	6.8800	4.9123	36.4932	9.33	0.000281
1	1	27	2011	3	9	1.9696	71.878	6.8800	4.9123	36.4931	8.00	0.000959
1	1	27	2011	3	10	1.9570	71.418	6.8800	4.9123	36.4932	8.12	0.001996
1	1	27	2011	3	11	2.1582	78.761	6.8800	4.9123	36.4932	7.44	0.000819
1	1	27	2011	3	12	2.3043	84.089	6.8800	4.9123	36.4932	7.05	0.000002

1	1	27	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2011	3	14	0.2202	6.609	7.2800	5.1979	30.0117	32.28	0.000028
1	1	27	2011	3	15	0.1410	6.810	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2011	3	16	1.7638	79.467	6.6500	4.7481	45.0549	12.93	0.008198
1	1	27	2011	3	17	1.8575	87.770	6.6500	4.7481	47.2522	11.65	0.002544
1	1	27	2011	3	18	2.5665	145.473	6.6500	4.7481	56.6821	10.18	0.002699
1	1	27	2011	3	19	2.7748	157.279	6.6500	4.7481	56.6821	9.86	0.001293
1	1	27	2011	3	20	3.1879	206.447	6.6500	4.7481	64.7605	8.70	0.006032
1	1	27	2011	3	21	3.9385	255.061	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2011	3	22	4.5232	589.019	6.6500	4.7481	130.2221	6.58	0.010278
1	1	27	2011	3	23	5.4580	1079.665	6.6500	4.7481	197.8148	6.28	0.036527
1	1	27	2011	3	24	1.8821	16.153	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2011	3	25	3.7989	103.446	6.8800	4.9123	27.2301	6.43	0.000303
1	1	27	2011	3	26	9.3259	911.500	6.6500	4.7481	97.7390	4.34	0.003655
1	1	27	2011	3	27	6.4472	175.559	6.6500	4.7481	27.2301	6.19	0.007008
1	1	27	2011	3	28	0.4890	21.502	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	28	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	28	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	28	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	28	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	28	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	28	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	28	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	28	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	28	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	28	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	28	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	28	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	28	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	28	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	28	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	28	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	28	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	28	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	28	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	28	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	28	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	28	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	28	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2011	1	1	0.3725	11.179	7.2800	5.3799	30.0117	24.09	0.281246
1	1	28	2011	1	2	0.2188	8.796	8.0600	5.7548	40.1957	18.52	0.101405
1	1	28	2011	1	3	0.2521	10.133	8.0600	5.7548	40.1957	18.52	0.337320

1	1	28	2011	1	4	0.5941	22.468	8.0600	5.7548	37.8166	14.25	0.103547
1	1	28	2011	1	5	0.6548	24.763	8.0600	5.7548	37.8166	14.25	0.047578
1	1	28	2011	1	6	0.3743	14.137	6.8800	4.9123	37.7707	10.10	0.027524
1	1	28	2011	1	7	0.3746	14.147	6.8800	4.9123	37.7707	9.36	0.000969
1	1	28	2011	1	8	0.3411	12.449	6.8800	4.9123	36.4932	9.33	0.000281
1	1	28	2011	1	9	0.3740	13.649	6.8800	4.9123	36.4931	8.00	0.000959
1	1	28	2011	1	10	0.3726	13.596	6.8800	4.9123	36.4932	8.12	0.001996
1	1	28	2011	1	11	0.4049	14.775	6.8800	4.9123	36.4932	7.44	0.000819
1	1	28	2011	1	12	0.4240	15.474	6.8800	4.9123	36.4932	7.05	0.000002
1	1	28	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2011	1	14	0.1344	4.033	7.2800	5.1979	30.0117	32.28	0.000028
1	1	28	2011	1	15	0.0984	4.751	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2011	1	16	0.1457	6.564	6.6500	4.7481	45.0549	12.93	0.008198
1	1	28	2011	1	17	0.1590	7.512	6.6500	4.7481	47.2522	11.65	0.002544
1	1	28	2011	1	18	0.2076	11.767	6.6500	4.7481	56.6821	10.18	0.002699
1	1	28	2011	1	19	0.2302	13.047	6.6500	4.7481	56.6821	9.86	0.001293
1	1	28	2011	1	20	0.2722	17.628	6.6500	4.7481	64.7605	8.70	0.006032
1	1	28	2011	1	21	0.3332	21.581	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2011	1	22	0.3485	45.382	6.6500	4.7481	130.2221	6.58	0.010278
1	1	28	2011	1	23	0.4104	81.173	6.6500	4.7481	197.8148	6.28	0.036527
1	1	28	2011	1	24	2.0153	17.296	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2011	1	25	0.6554	17.847	6.8800	4.9123	27.2301	6.43	0.000303
1	1	28	2011	1	26	0.3184	31.117	6.6500	4.7481	97.7390	4.34	0.003655
1	1	28	2011	1	27	0.4927	13.416	6.6500	4.7481	27.2301	6.19	0.007008
1	1	28	2011	1	28	0.3429	15.079	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2011	2	1	11.5108	345.458	7.2800	5.3799	30.0117	24.09	0.281246
1	1	28	2011	2	2	9.3446	375.611	8.0600	5.7548	40.1957	18.52	0.101405
1	1	28	2011	2	3	9.8927	397.643	8.0600	5.7548	40.1957	18.52	0.337320
1	1	28	2011	2	4	14.3086	541.105	8.0600	5.7548	37.8166	14.25	0.103547
1	1	28	2011	2	5	14.5821	551.447	8.0600	5.7548	37.8166	14.25	0.047578
1	1	28	2011	2	6	5.9791	225.835	6.8800	4.9123	37.7707	10.10	0.027524
1	1	28	2011	2	7	6.6357	250.636	6.8800	4.9123	37.7707	9.36	0.000969
1	1	28	2011	2	8	6.4149	234.102	6.8800	4.9123	36.4932	9.33	0.000281
1	1	28	2011	2	9	7.4760	272.821	6.8800	4.9123	36.4931	8.00	0.000959
1	1	28	2011	2	10	7.4072	270.310	6.8800	4.9123	36.4932	8.12	0.001996
1	1	28	2011	2	11	8.7800	320.409	6.8800	4.9123	36.4932	7.44	0.000819
1	1	28	2011	2	12	9.3578	341.497	6.8800	4.9123	36.4932	7.05	0.000002
1	1	28	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2011	2	14	0.7482	22.453	7.2800	5.1979	30.0117	32.28	0.000028
1	1	28	2011	2	15	0.3238	15.633	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2011	2	16	0.4758	21.436	6.6500	4.7481	45.0549	12.93	0.008198
1	1	28	2011	2	17	0.5052	23.872	6.6500	4.7481	47.2522	11.65	0.002544
1	1	28	2011	2	18	0.7142	40.480	6.6500	4.7481	56.6821	10.18	0.002699
1	1	28	2011	2	19	0.7703	43.665	6.6500	4.7481	56.6821	9.86	0.001293
1	1	28	2011	2	20	0.7392	47.869	6.6500	4.7481	64.7605	8.70	0.006032
1	1	28	2011	2	21	0.9100	58.931	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2011	2	22	1.1886	154.788	6.6500	4.7481	130.2221	6.58	0.010278

1	1	28	2011	2	23	1.4983	296.393	6.6500	4.7481	197.8148	6.28	0.036527
1	1	28	2011	2	24	11.2267	96.350	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2011	2	25	10.6594	290.257	6.8800	4.9123	27.2301	6.43	0.000303
1	1	28	2011	2	26	2.3288	227.617	6.6500	4.7481	97.7390	4.34	0.003655
1	1	28	2011	2	27	1.4087	38.360	6.6500	4.7481	27.2301	6.19	0.007008
1	1	28	2011	2	28	0.5582	24.547	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2011	3	1	0.4659	13.984	7.2800	5.3799	30.0117	24.09	0.281246
1	1	28	2011	3	2	0.3248	13.055	8.0600	5.7548	40.1957	18.52	0.101405
1	1	28	2011	3	3	0.5081	20.423	8.0600	5.7548	40.1957	18.52	0.337320
1	1	28	2011	3	4	0.9917	37.502	8.0600	5.7548	37.8166	14.25	0.103547
1	1	28	2011	3	5	1.3886	52.511	8.0600	5.7548	37.8166	14.25	0.047578
1	1	28	2011	3	6	1.8352	69.319	6.8800	4.9123	37.7707	10.10	0.027524
1	1	28	2011	3	7	1.9403	73.286	6.8800	4.9123	37.7707	9.36	0.000969
1	1	28	2011	3	8	1.7129	62.510	6.8800	4.9123	36.4932	9.33	0.000281
1	1	28	2011	3	9	1.9876	72.535	6.8800	4.9123	36.4931	8.00	0.000959
1	1	28	2011	3	10	1.9749	72.070	6.8800	4.9123	36.4932	8.12	0.001996
1	1	28	2011	3	11	2.1780	79.480	6.8800	4.9123	36.4932	7.44	0.000819
1	1	28	2011	3	12	2.3253	84.857	6.8800	4.9123	36.4932	7.05	0.000002
1	1	28	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2011	3	14	0.2198	6.596	7.2800	5.1979	30.0117	32.28	0.000028
1	1	28	2011	3	15	0.1408	6.797	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2011	3	16	1.7601	79.302	6.6500	4.7481	45.0549	12.93	0.008198
1	1	28	2011	3	17	1.8536	87.587	6.6500	4.7481	47.2522	11.65	0.002544
1	1	28	2011	3	18	2.5611	145.171	6.6500	4.7481	56.6821	10.18	0.002699
1	1	28	2011	3	19	2.7690	156.952	6.6500	4.7481	56.6821	9.86	0.001293
1	1	28	2011	3	20	3.1811	206.010	6.6500	4.7481	64.7605	8.70	0.006032
1	1	28	2011	3	21	3.9302	254.521	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2011	3	22	4.5140	587.823	6.6500	4.7481	130.2221	6.58	0.010278
1	1	28	2011	3	23	5.4471	1077.518	6.6500	4.7481	197.8148	6.28	0.036527
1	1	28	2011	3	24	1.8985	16.293	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2011	3	25	3.8336	104.391	6.8800	4.9123	27.2301	6.43	0.000303
1	1	28	2011	3	26	9.3059	909.547	6.6500	4.7481	97.7390	4.34	0.003655
1	1	28	2011	3	27	6.4334	175.184	6.6500	4.7481	27.2301	6.19	0.007008
1	1	28	2011	3	28	0.4880	21.459	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	29	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	29	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	29	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	29	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	29	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	29	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	29	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	29	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	29	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	29	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	29	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	29	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000

1	1	29	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	29	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	29	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	29	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	29	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	29	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	29	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	29	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	29	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	29	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	29	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	29	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2011	1	1	0.3694	11.087	7.2800	5.3799	30.0117	24.09	0.281246
1	1	29	2011	1	2	0.2172	8.732	8.0600	5.7548	40.1957	18.52	0.101405
1	1	29	2011	1	3	0.2504	10.064	8.0600	5.7548	40.1957	18.52	0.337320
1	1	29	2011	1	4	0.5890	22.273	8.0600	5.7548	37.8166	14.25	0.103547
1	1	29	2011	1	5	0.6492	24.551	8.0600	5.7548	37.8166	14.25	0.047578
1	1	29	2011	1	6	0.3622	13.682	6.8800	4.9123	37.7707	10.10	0.027524
1	1	29	2011	1	7	0.3625	13.691	6.8800	4.9123	37.7707	9.36	0.000969
1	1	29	2011	1	8	0.3304	12.059	6.8800	4.9123	36.4932	9.33	0.000281
1	1	29	2011	1	9	0.3619	13.208	6.8800	4.9123	36.4931	8.00	0.000959
1	1	29	2011	1	10	0.3605	13.157	6.8800	4.9123	36.4932	8.12	0.001996
1	1	29	2011	1	11	0.3914	14.285	6.8800	4.9123	36.4932	7.44	0.000819
1	1	29	2011	1	12	0.4098	14.954	6.8800	4.9123	36.4932	7.05	0.000002
1	1	29	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2011	1	14	0.1320	3.962	7.2800	5.1979	30.0117	32.28	0.000028
1	1	29	2011	1	15	0.0965	4.661	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2011	1	16	0.1418	6.388	6.6500	4.7481	45.0549	12.93	0.008198
1	1	29	2011	1	17	0.1547	7.310	6.6500	4.7481	47.2522	11.65	0.002544
1	1	29	2011	1	18	0.2020	11.450	6.6500	4.7481	56.6821	10.18	0.002699
1	1	29	2011	1	19	0.2240	12.696	6.6500	4.7481	56.6821	9.86	0.001293
1	1	29	2011	1	20	0.2649	17.153	6.6500	4.7481	64.7605	8.70	0.006032
1	1	29	2011	1	21	0.3243	21.000	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2011	1	22	0.3391	44.160	6.6500	4.7481	130.2221	6.58	0.010278
1	1	29	2011	1	23	0.3993	78.987	6.6500	4.7481	197.8148	6.28	0.036527
1	1	29	2011	1	24	1.9859	17.043	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2011	1	25	0.6329	17.235	6.8800	4.9123	27.2301	6.43	0.000303
1	1	29	2011	1	26	0.3098	30.279	6.6500	4.7481	97.7390	4.34	0.003655
1	1	29	2011	1	27	0.4794	13.054	6.6500	4.7481	27.2301	6.19	0.007008
1	1	29	2011	1	28	0.3365	14.799	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2011	2	1	11.5230	345.825	7.2800	5.3799	30.0117	24.09	0.281246
1	1	29	2011	2	2	9.3552	376.039	8.0600	5.7548	40.1957	18.52	0.101405
1	1	29	2011	2	3	9.9053	398.152	8.0600	5.7548	40.1957	18.52	0.337320
1	1	29	2011	2	4	14.3302	541.920	8.0600	5.7548	37.8166	14.25	0.103547

1	1	29	2011	2	5	14.6041	552.277	8.0600	5.7548	37.8166	14.25	0.047578
1	1	29	2011	2	6	5.8175	219.731	6.8800	4.9123	37.7707	10.10	0.027524
1	1	29	2011	2	7	6.4564	243.861	6.8800	4.9123	37.7707	9.36	0.000969
1	1	29	2011	2	8	6.2416	227.774	6.8800	4.9123	36.4932	9.33	0.000281
1	1	29	2011	2	9	7.2739	265.447	6.8800	4.9123	36.4931	8.00	0.000959
1	1	29	2011	2	10	7.2070	263.004	6.8800	4.9123	36.4932	8.12	0.001996
1	1	29	2011	2	11	8.5427	311.749	6.8800	4.9123	36.4932	7.44	0.000819
1	1	29	2011	2	12	9.1049	332.267	6.8800	4.9123	36.4932	7.05	0.000002
1	1	29	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2011	2	14	0.7355	22.072	7.2800	5.1979	30.0117	32.28	0.000028
1	1	29	2011	2	15	0.3177	15.341	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2011	2	16	0.4618	20.808	6.6500	4.7481	45.0549	12.93	0.008198
1	1	29	2011	2	17	0.4904	23.172	6.6500	4.7481	47.2522	11.65	0.002544
1	1	29	2011	2	18	0.6932	39.293	6.6500	4.7481	56.6821	10.18	0.002699
1	1	29	2011	2	19	0.7478	42.384	6.6500	4.7481	56.6821	9.86	0.001293
1	1	29	2011	2	20	0.7175	46.465	6.6500	4.7481	64.7605	8.70	0.006032
1	1	29	2011	2	21	0.8833	57.203	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2011	2	22	1.1538	150.248	6.6500	4.7481	130.2221	6.58	0.010278
1	1	29	2011	2	23	1.4544	287.701	6.6500	4.7481	197.8148	6.28	0.036527
1	1	29	2011	2	24	10.9717	94.161	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2011	2	25	10.3713	282.412	6.8800	4.9123	27.2301	6.43	0.000303
1	1	29	2011	2	26	2.2605	220.942	6.6500	4.7481	97.7390	4.34	0.003655
1	1	29	2011	2	27	1.3674	37.235	6.6500	4.7481	27.2301	6.19	0.007008
1	1	29	2011	2	28	0.5484	24.115	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2011	3	1	0.4642	13.930	7.2800	5.3799	30.0117	24.09	0.281246
1	1	29	2011	3	2	0.3233	12.997	8.0600	5.7548	40.1957	18.52	0.101405
1	1	29	2011	3	3	0.5064	20.356	8.0600	5.7548	40.1957	18.52	0.337320
1	1	29	2011	3	4	0.9890	37.400	8.0600	5.7548	37.8166	14.25	0.103547
1	1	29	2011	3	5	1.3850	52.377	8.0600	5.7548	37.8166	14.25	0.047578
1	1	29	2011	3	6	1.8508	69.907	6.8800	4.9123	37.7707	10.10	0.027524
1	1	29	2011	3	7	1.9568	73.908	6.8800	4.9123	37.7707	9.36	0.000969
1	1	29	2011	3	8	1.7275	63.041	6.8800	4.9123	36.4932	9.33	0.000281
1	1	29	2011	3	9	2.0045	73.150	6.8800	4.9123	36.4931	8.00	0.000959
1	1	29	2011	3	10	1.9916	72.681	6.8800	4.9123	36.4932	8.12	0.001996
1	1	29	2011	3	11	2.1964	80.155	6.8800	4.9123	36.4932	7.44	0.000819
1	1	29	2011	3	12	2.3450	85.577	6.8800	4.9123	36.4932	7.05	0.000002
1	1	29	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2011	3	14	0.2194	6.584	7.2800	5.1979	30.0117	32.28	0.000028
1	1	29	2011	3	15	0.1405	6.784	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2011	3	16	1.7567	79.147	6.6500	4.7481	45.0549	12.93	0.008198
1	1	29	2011	3	17	1.8500	87.416	6.6500	4.7481	47.2522	11.65	0.002544
1	1	29	2011	3	18	2.5561	144.887	6.6500	4.7481	56.6821	10.18	0.002699
1	1	29	2011	3	19	2.7636	156.646	6.6500	4.7481	56.6821	9.86	0.001293
1	1	29	2011	3	20	3.1748	205.600	6.6500	4.7481	64.7605	8.70	0.006032
1	1	29	2011	3	21	3.9224	254.014	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2011	3	22	4.5054	586.701	6.6500	4.7481	130.2221	6.58	0.010278
1	1	29	2011	3	23	5.4369	1075.505	6.6500	4.7481	197.8148	6.28	0.036527

1	1	29	2011	3	24	1.9138	16.425	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2011	3	25	3.8662	105.276	6.8800	4.9123	27.2301	6.43	0.000303
1	1	29	2011	3	26	9.2872	907.717	6.6500	4.7481	97.7390	4.34	0.003655
1	1	29	2011	3	27	6.4205	174.831	6.6500	4.7481	27.2301	6.19	0.007008
1	1	29	2011	3	28	0.4871	21.419	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	30	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	30	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	30	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	30	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	30	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	30	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	30	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	30	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	30	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	30	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	30	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	30	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	30	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	30	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	30	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	30	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	30	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	30	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	30	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	30	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	30	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	30	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	30	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2011	1	1	0.3665	11.000	7.2800	5.3799	30.0117	24.09	0.281246
1	1	30	2011	1	2	0.2157	8.672	8.0600	5.7548	40.1957	18.52	0.101405
1	1	30	2011	1	3	0.2488	9.999	8.0600	5.7548	40.1957	18.52	0.337320
1	1	30	2011	1	4	0.5841	22.090	8.0600	5.7548	37.8166	14.25	0.103547
1	1	30	2011	1	5	0.6440	24.352	8.0600	5.7548	37.8166	14.25	0.047578
1	1	30	2011	1	6	0.3509	13.255	6.8800	4.9123	37.7707	10.10	0.027524
1	1	30	2011	1	7	0.3512	13.264	6.8800	4.9123	37.7707	9.36	0.000969
1	1	30	2011	1	8	0.3204	11.693	6.8800	4.9123	36.4932	9.33	0.000281
1	1	30	2011	1	9	0.3506	12.793	6.8800	4.9123	36.4931	8.00	0.000959
1	1	30	2011	1	10	0.3492	12.744	6.8800	4.9123	36.4932	8.12	0.001996
1	1	30	2011	1	11	0.3788	13.825	6.8800	4.9123	36.4932	7.44	0.000819
1	1	30	2011	1	12	0.3964	14.466	6.8800	4.9123	36.4932	7.05	0.000002
1	1	30	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2011	1	14	0.1298	3.896	7.2800	5.1979	30.0117	32.28	0.000028

1	1	30	2011	1	15	0.0948	4.577	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2011	1	16	0.1381	6.222	6.6500	4.7481	45.0549	12.93	0.008198
1	1	30	2011	1	17	0.1507	7.119	6.6500	4.7481	47.2522	11.65	0.002544
1	1	30	2011	1	18	0.1968	11.153	6.6500	4.7481	56.6821	10.18	0.002699
1	1	30	2011	1	19	0.2182	12.366	6.6500	4.7481	56.6821	9.86	0.001293
1	1	30	2011	1	20	0.2580	16.708	6.6500	4.7481	64.7605	8.70	0.006032
1	1	30	2011	1	21	0.3158	20.454	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2011	1	22	0.3303	43.012	6.6500	4.7481	130.2221	6.58	0.010278
1	1	30	2011	1	23	0.3889	76.934	6.6500	4.7481	197.8148	6.28	0.036527
1	1	30	2011	1	24	1.9583	16.806	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2011	1	25	0.6118	16.660	6.8800	4.9123	27.2301	6.43	0.000303
1	1	30	2011	1	26	0.3017	29.491	6.6500	4.7481	97.7390	4.34	0.003655
1	1	30	2011	1	27	0.4669	12.715	6.6500	4.7481	27.2301	6.19	0.007008
1	1	30	2011	1	28	0.3305	14.535	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2011	2	1	11.5345	346.170	7.2800	5.3799	30.0117	24.09	0.281246
1	1	30	2011	2	2	9.3652	376.442	8.0600	5.7548	40.1957	18.52	0.101405
1	1	30	2011	2	3	9.9172	398.630	8.0600	5.7548	40.1957	18.52	0.337320
1	1	30	2011	2	4	14.3504	542.686	8.0600	5.7548	37.8166	14.25	0.103547
1	1	30	2011	2	5	14.6247	553.056	8.0600	5.7548	37.8166	14.25	0.047578
1	1	30	2011	2	6	5.6657	213.997	6.8800	4.9123	37.7707	10.10	0.027524
1	1	30	2011	2	7	6.2879	237.498	6.8800	4.9123	37.7707	9.36	0.000969
1	1	30	2011	2	8	6.0787	221.831	6.8800	4.9123	36.4932	9.33	0.000281
1	1	30	2011	2	9	7.0841	258.521	6.8800	4.9123	36.4931	8.00	0.000959
1	1	30	2011	2	10	7.0189	256.141	6.8800	4.9123	36.4932	8.12	0.001996
1	1	30	2011	2	11	8.3197	303.613	6.8800	4.9123	36.4932	7.44	0.000819
1	1	30	2011	2	12	8.8673	323.596	6.8800	4.9123	36.4932	7.05	0.000002
1	1	30	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2011	2	14	0.7235	21.714	7.2800	5.1979	30.0117	32.28	0.000028
1	1	30	2011	2	15	0.3121	15.067	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2011	2	16	0.4487	20.217	6.6500	4.7481	45.0549	12.93	0.008198
1	1	30	2011	2	17	0.4765	22.514	6.6500	4.7481	47.2522	11.65	0.002544
1	1	30	2011	2	18	0.6735	38.177	6.6500	4.7481	56.6821	10.18	0.002699
1	1	30	2011	2	19	0.7265	41.181	6.6500	4.7481	56.6821	9.86	0.001293
1	1	30	2011	2	20	0.6971	45.147	6.6500	4.7481	64.7605	8.70	0.006032
1	1	30	2011	2	21	0.8582	55.580	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2011	2	22	1.1210	145.984	6.6500	4.7481	130.2221	6.58	0.010278
1	1	30	2011	2	23	1.4131	279.536	6.6500	4.7481	197.8148	6.28	0.036527
1	1	30	2011	2	24	10.7321	92.105	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2011	2	25	10.1007	275.043	6.8800	4.9123	27.2301	6.43	0.000303
1	1	30	2011	2	26	2.1964	214.671	6.6500	4.7481	97.7390	4.34	0.003655
1	1	30	2011	2	27	1.3286	36.178	6.6500	4.7481	27.2301	6.19	0.007008
1	1	30	2011	2	28	0.5392	23.709	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2011	3	1	0.4625	13.880	7.2800	5.3799	30.0117	24.09	0.281246
1	1	30	2011	3	2	0.3220	12.943	8.0600	5.7548	40.1957	18.52	0.101405
1	1	30	2011	3	3	0.5049	20.293	8.0600	5.7548	40.1957	18.52	0.337320
1	1	30	2011	3	4	0.9865	37.305	8.0600	5.7548	37.8166	14.25	0.103547
1	1	30	2011	3	5	1.3817	52.252	8.0600	5.7548	37.8166	14.25	0.047578

1	1	30	2011	3	6	1.8654	70.459	6.8800	4.9123	37.7707	10.10	0.027524
1	1	30	2011	3	7	1.9722	74.492	6.8800	4.9123	37.7707	9.36	0.000969
1	1	30	2011	3	8	1.7411	63.539	6.8800	4.9123	36.4932	9.33	0.000281
1	1	30	2011	3	9	2.0203	73.728	6.8800	4.9123	36.4931	8.00	0.000959
1	1	30	2011	3	10	2.0074	73.256	6.8800	4.9123	36.4932	8.12	0.001996
1	1	30	2011	3	11	2.2138	80.788	6.8800	4.9123	36.4932	7.44	0.000819
1	1	30	2011	3	12	2.3636	86.253	6.8800	4.9123	36.4932	7.05	0.000002
1	1	30	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2011	3	14	0.2190	6.572	7.2800	5.1979	30.0117	32.28	0.000028
1	1	30	2011	3	15	0.1402	6.772	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2011	3	16	1.7535	79.002	6.6500	4.7481	45.0549	12.93	0.008198
1	1	30	2011	3	17	1.8466	87.256	6.6500	4.7481	47.2522	11.65	0.002544
1	1	30	2011	3	18	2.5514	144.621	6.6500	4.7481	56.6821	10.18	0.002699
1	1	30	2011	3	19	2.7585	156.358	6.6500	4.7481	56.6821	9.86	0.001293
1	1	30	2011	3	20	3.1688	205.215	6.6500	4.7481	64.7605	8.70	0.006032
1	1	30	2011	3	21	3.9150	253.538	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2011	3	22	4.4973	585.648	6.6500	4.7481	130.2221	6.58	0.010278
1	1	30	2011	3	23	5.4274	1073.614	6.6500	4.7481	197.8148	6.28	0.036527
1	1	30	2011	3	24	1.9282	16.548	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2011	3	25	3.8967	106.108	6.8800	4.9123	27.2301	6.43	0.000303
1	1	30	2011	3	26	9.2696	905.998	6.6500	4.7481	97.7390	4.34	0.003655
1	1	30	2011	3	27	6.4084	174.500	6.6500	4.7481	27.2301	6.19	0.007008
1	1	30	2011	3	28	0.4862	21.381	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	31	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	31	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	31	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	31	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	31	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	31	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	31	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	31	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	31	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	31	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	31	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	31	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	31	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	31	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	31	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	31	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	31	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	31	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	31	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	31	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374

1	1	31	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	31	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	31	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	31	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2011	1	1	0.3638	10.919	7.2800	5.3799	30.0117	24.09	0.281246
1	1	31	2011	1	2	0.2143	8.616	8.0600	5.7548	40.1957	18.52	0.101405
1	1	31	2011	1	3	0.2472	9.937	8.0600	5.7548	40.1957	18.52	0.337320
1	1	31	2011	1	4	0.5796	21.918	8.0600	5.7548	37.8166	14.25	0.103547
1	1	31	2011	1	5	0.6390	24.165	8.0600	5.7548	37.8166	14.25	0.047578
1	1	31	2011	1	6	0.3403	12.852	6.8800	4.9123	37.7707	10.10	0.027524
1	1	31	2011	1	7	0.3405	12.861	6.8800	4.9123	37.7707	9.36	0.000969
1	1	31	2011	1	8	0.3110	11.348	6.8800	4.9123	36.4932	9.33	0.000281
1	1	31	2011	1	9	0.3399	12.403	6.8800	4.9123	36.4931	8.00	0.000959
1	1	31	2011	1	10	0.3386	12.356	6.8800	4.9123	36.4932	8.12	0.001996
1	1	31	2011	1	11	0.3670	13.392	6.8800	4.9123	36.4932	7.44	0.000819
1	1	31	2011	1	12	0.3838	14.007	6.8800	4.9123	36.4932	7.05	0.000002
1	1	31	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2011	1	14	0.1277	3.833	7.2800	5.1979	30.0117	32.28	0.000028
1	1	31	2011	1	15	0.0932	4.498	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2011	1	16	0.1346	6.065	6.6500	4.7481	45.0549	12.93	0.008198
1	1	31	2011	1	17	0.1469	6.941	6.6500	4.7481	47.2522	11.65	0.002544
1	1	31	2011	1	18	0.1918	10.872	6.6500	4.7481	56.6821	10.18	0.002699
1	1	31	2011	1	19	0.2127	12.055	6.6500	4.7481	56.6821	9.86	0.001293
1	1	31	2011	1	20	0.2515	16.288	6.6500	4.7481	64.7605	8.70	0.006032
1	1	31	2011	1	21	0.3079	19.940	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2011	1	22	0.3220	41.931	6.6500	4.7481	130.2221	6.58	0.010278
1	1	31	2011	1	23	0.3791	75.001	6.6500	4.7481	197.8148	6.28	0.036527
1	1	31	2011	1	24	1.9323	16.583	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2011	1	25	0.5920	16.119	6.8800	4.9123	27.2301	6.43	0.000303
1	1	31	2011	1	26	0.2942	28.751	6.6500	4.7481	97.7390	4.34	0.003655
1	1	31	2011	1	27	0.4552	12.396	6.6500	4.7481	27.2301	6.19	0.007008
1	1	31	2011	1	28	0.3249	14.287	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2011	2	1	11.5453	346.495	7.2800	5.3799	30.0117	24.09	0.281246
1	1	31	2011	2	2	9.3747	376.821	8.0600	5.7548	40.1957	18.52	0.101405
1	1	31	2011	2	3	9.9284	399.080	8.0600	5.7548	40.1957	18.52	0.337320
1	1	31	2011	2	4	14.3695	543.406	8.0600	5.7548	37.8166	14.25	0.103547
1	1	31	2011	2	5	14.6441	553.790	8.0600	5.7548	37.8166	14.25	0.047578
1	1	31	2011	2	6	5.5228	208.600	6.8800	4.9123	37.7707	10.10	0.027524
1	1	31	2011	2	7	6.1293	231.508	6.8800	4.9123	37.7707	9.36	0.000969
1	1	31	2011	2	8	5.9254	216.236	6.8800	4.9123	36.4932	9.33	0.000281
1	1	31	2011	2	9	6.9054	252.001	6.8800	4.9123	36.4931	8.00	0.000959
1	1	31	2011	2	10	6.8419	249.682	6.8800	4.9123	36.4932	8.12	0.001996
1	1	31	2011	2	11	8.1099	295.957	6.8800	4.9123	36.4932	7.44	0.000819
1	1	31	2011	2	12	8.6437	315.436	6.8800	4.9123	36.4932	7.05	0.000002
1	1	31	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2011	2	14	0.7123	21.377	7.2800	5.1979	30.0117	32.28	0.000028
1	1	31	2011	2	15	0.3067	14.810	8.0600	5.7548	48.2848	22.10	0.004518

1	1	31	2011	2	16	0.4364	19.661	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	31	2011	2	17	0.4634	21.895	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	31	2011	2	18	0.6550	37.128	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	31	2011	2	19	0.7066	40.049	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	31	2011	2	20	0.6780	43.905	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	31	2011	2	21	0.8346	54.052	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	31	2011	2	22	1.0902	141.971	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	31	2011	2	23	1.3743	271.851	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	31	2011	2	24	10.5066	90.170	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	31	2011	2	25	9.8460	268.107	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	31	2011	2	26	2.1360	208.770	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	31	2011	2	27	1.2921	35.183	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	31	2011	2	28	0.5305	23.327	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	31	2011	3	1	0.4609	13.833	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	31	2011	3	2	0.3207	12.892	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	31	2011	3	3	0.5034	20.234	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	31	2011	3	4	0.9841	37.215	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	31	2011	3	5	1.3786	52.133	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	31	2011	3	6	1.8792	70.979	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	31	2011	3	7	1.9868	75.042	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	31	2011	3	8	1.7540	64.008	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	31	2011	3	9	2.0352	74.272	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	31	2011	3	10	2.0222	73.796	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	31	2011	3	11	2.2301	81.384	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	31	2011	3	12	2.3810	86.890	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	31	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	31	2011	3	14	0.2186	6.561	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	31	2011	3	15	0.1400	6.761	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	31	2011	3	16	1.7504	78.865	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	31	2011	3	17	1.8434	87.104	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	31	2011	3	18	2.5470	144.370	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	31	2011	3	19	2.7537	156.086	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	31	2011	3	20	3.1632	204.852	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	31	2011	3	21	3.9081	253.090	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	31	2011	3	22	4.4897	584.656	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	31	2011	3	23	5.4184	1071.834	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	31	2011	3	24	1.9417	16.664	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	31	2011	3	25	3.9255	106.891	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	31	2011	3	26	9.2530	904.380	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	31	2011	3	27	6.3969	174.189	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	31	2011	3	28	0.4854	21.345	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	32	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	32	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	32	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	32	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	32	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	32	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10
0.027524											

1	1	32	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	32	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	32	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	32	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	32	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	32	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	32	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	32	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	32	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	32	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	32	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	32	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	32	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	32	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	32	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	32	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	32	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	32	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2011	1	1	0.3613	10.842	7.2800	5.3799	30.0117	24.09	0.281246
1	1	32	2011	1	2	0.2130	8.562	8.0600	5.7548	40.1957	18.52	0.101405
1	1	32	2011	1	3	0.2458	9.880	8.0600	5.7548	40.1957	18.52	0.337320
1	1	32	2011	1	4	0.5753	21.755	8.0600	5.7548	37.8166	14.25	0.103547
1	1	32	2011	1	5	0.6343	23.989	8.0600	5.7548	37.8166	14.25	0.047578
1	1	32	2011	1	6	0.3302	12.473	6.8800	4.9123	37.7707	10.10	0.027524
1	1	32	2011	1	7	0.3304	12.481	6.8800	4.9123	37.7707	9.36	0.000969
1	1	32	2011	1	8	0.3020	11.023	6.8800	4.9123	36.4932	9.33	0.000281
1	1	32	2011	1	9	0.3298	12.035	6.8800	4.9123	36.4931	8.00	0.000959
1	1	32	2011	1	10	0.3285	11.990	6.8800	4.9123	36.4932	8.12	0.001996
1	1	32	2011	1	11	0.3558	12.984	6.8800	4.9123	36.4932	7.44	0.000819
1	1	32	2011	1	12	0.3719	13.573	6.8800	4.9123	36.4932	7.05	0.000002
1	1	32	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2011	1	14	0.1258	3.774	7.2800	5.1979	30.0117	32.28	0.000028
1	1	32	2011	1	15	0.0916	4.424	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2011	1	16	0.1313	5.918	6.6500	4.7481	45.0549	12.93	0.008198
1	1	32	2011	1	17	0.1433	6.772	6.6500	4.7481	47.2522	11.65	0.002544
1	1	32	2011	1	18	0.1872	10.608	6.6500	4.7481	56.6821	10.18	0.002699
1	1	32	2011	1	19	0.2075	11.762	6.6500	4.7481	56.6821	9.86	0.001293
1	1	32	2011	1	20	0.2454	15.892	6.6500	4.7481	64.7605	8.70	0.006032
1	1	32	2011	1	21	0.3004	19.456	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2011	1	22	0.3142	40.913	6.6500	4.7481	130.2221	6.58	0.010278
1	1	32	2011	1	23	0.3699	73.179	6.6500	4.7481	197.8148	6.28	0.036527
1	1	32	2011	1	24	1.9078	16.373	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2011	1	25	0.5732	15.609	6.8800	4.9123	27.2301	6.43	0.000303

1	1	32	2011	1	26	0.2870	28.052	6.6500	4.7481	97.7390	4.34	0.003655
1	1	32	2011	1	27	0.4442	12.094	6.6500	4.7481	27.2301	6.19	0.007008
1	1	32	2011	1	28	0.3196	14.053	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2011	2	1	11.5555	346.802	7.2800	5.3799	30.0117	24.09	0.281246
1	1	32	2011	2	2	9.3836	377.179	8.0600	5.7548	40.1957	18.52	0.101405
1	1	32	2011	2	3	9.9390	399.504	8.0600	5.7548	40.1957	18.52	0.337320
1	1	32	2011	2	4	14.3875	544.086	8.0600	5.7548	37.8166	14.25	0.103547
1	1	32	2011	2	5	14.6624	554.482	8.0600	5.7548	37.8166	14.25	0.047578
1	1	32	2011	2	6	5.3881	203.512	6.8800	4.9123	37.7707	10.10	0.027524
1	1	32	2011	2	7	5.9798	225.861	6.8800	4.9123	37.7707	9.36	0.000969
1	1	32	2011	2	8	5.7809	210.962	6.8800	4.9123	36.4932	9.33	0.000281
1	1	32	2011	2	9	6.7370	245.854	6.8800	4.9123	36.4931	8.00	0.000959
1	1	32	2011	2	10	6.6750	243.592	6.8800	4.9123	36.4932	8.12	0.001996
1	1	32	2011	2	11	7.9121	288.738	6.8800	4.9123	36.4932	7.44	0.000819
1	1	32	2011	2	12	8.4329	307.742	6.8800	4.9123	36.4932	7.05	0.000002
1	1	32	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2011	2	14	0.7017	21.060	7.2800	5.1979	30.0117	32.28	0.000028
1	1	32	2011	2	15	0.3017	14.567	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2011	2	16	0.4248	19.137	6.6500	4.7481	45.0549	12.93	0.008198
1	1	32	2011	2	17	0.4510	21.312	6.6500	4.7481	47.2522	11.65	0.002544
1	1	32	2011	2	18	0.6376	36.138	6.6500	4.7481	56.6821	10.18	0.002699
1	1	32	2011	2	19	0.6877	38.982	6.6500	4.7481	56.6821	9.86	0.001293
1	1	32	2011	2	20	0.6599	42.735	6.6500	4.7481	64.7605	8.70	0.006032
1	1	32	2011	2	21	0.8124	52.611	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2011	2	22	1.0612	138.187	6.6500	4.7481	130.2221	6.58	0.010278
1	1	32	2011	2	23	1.3376	264.605	6.6500	4.7481	197.8148	6.28	0.036527
1	1	32	2011	2	24	10.2939	88.345	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2011	2	25	9.6058	261.567	6.8800	4.9123	27.2301	6.43	0.000303
1	1	32	2011	2	26	2.0791	203.205	6.6500	4.7481	97.7390	4.34	0.003655
1	1	32	2011	2	27	1.2576	34.246	6.6500	4.7481	27.2301	6.19	0.007008
1	1	32	2011	2	28	0.5223	22.966	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2011	3	1	0.4594	13.788	7.2800	5.3799	30.0117	24.09	0.281246
1	1	32	2011	3	2	0.3195	12.843	8.0600	5.7548	40.1957	18.52	0.101405
1	1	32	2011	3	3	0.5020	20.178	8.0600	5.7548	40.1957	18.52	0.337320
1	1	32	2011	3	4	0.9819	37.131	8.0600	5.7548	37.8166	14.25	0.103547
1	1	32	2011	3	5	1.3756	52.022	8.0600	5.7548	37.8166	14.25	0.047578
1	1	32	2011	3	6	1.8922	71.469	6.8800	4.9123	37.7707	10.10	0.027524
1	1	32	2011	3	7	2.0005	75.560	6.8800	4.9123	37.7707	9.36	0.000969
1	1	32	2011	3	8	1.7661	64.450	6.8800	4.9123	36.4932	9.33	0.000281
1	1	32	2011	3	9	2.0493	74.785	6.8800	4.9123	36.4931	8.00	0.000959
1	1	32	2011	3	10	2.0362	74.306	6.8800	4.9123	36.4932	8.12	0.001996
1	1	32	2011	3	11	2.2455	81.946	6.8800	4.9123	36.4932	7.44	0.000819
1	1	32	2011	3	12	2.3974	87.490	6.8800	4.9123	36.4932	7.05	0.000002
1	1	32	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2011	3	14	0.2183	6.551	7.2800	5.1979	30.0117	32.28	0.000028
1	1	32	2011	3	15	0.1398	6.750	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2011	3	16	1.7475	78.736	6.6500	4.7481	45.0549	12.93	0.008198

1	1	32	2011	3	17	1.8404	86.962	6.6500	4.7481	47.2522	11.65	0.002544
1	1	32	2011	3	18	2.5428	144.134	6.6500	4.7481	56.6821	10.18	0.002699
1	1	32	2011	3	19	2.7492	155.831	6.6500	4.7481	56.6821	9.86	0.001293
1	1	32	2011	3	20	3.1580	204.511	6.6500	4.7481	64.7605	8.70	0.006032
1	1	32	2011	3	21	3.9016	252.668	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2011	3	22	4.4825	583.721	6.6500	4.7481	130.2221	6.58	0.010278
1	1	32	2011	3	23	5.4099	1070.156	6.6500	4.7481	197.8148	6.28	0.036527
1	1	32	2011	3	24	1.9545	16.774	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2011	3	25	3.9526	107.629	6.8800	4.9123	27.2301	6.43	0.000303
1	1	32	2011	3	26	9.2374	902.854	6.6500	4.7481	97.7390	4.34	0.003655
1	1	32	2011	3	27	6.3861	173.895	6.6500	4.7481	27.2301	6.19	0.007008
1	1	32	2011	3	28	0.4846	21.312	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	33	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	33	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	33	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	33	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	33	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	33	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	33	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	33	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	33	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	33	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	33	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	33	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	33	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	33	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	33	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	33	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	33	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	33	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	33	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	33	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	33	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	33	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	33	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2011	1	1	0.3598	10.799	7.2800	5.3799	30.0117	24.09	0.281246
1	1	33	2011	1	2	0.2126	8.548	8.0600	5.7548	40.1957	18.52	0.101405
1	1	33	2011	1	3	0.2455	9.868	8.0600	5.7548	40.1957	18.52	0.337320
1	1	33	2011	1	4	0.5728	21.661	8.0600	5.7548	37.8166	14.25	0.103547
1	1	33	2011	1	5	0.6317	23.890	8.0600	5.7548	37.8166	14.25	0.047578
1	1	33	2011	1	6	0.3216	12.148	6.8800	4.9123	37.7707	10.10	0.027524
1	1	33	2011	1	7	0.3218	12.156	6.8800	4.9123	37.7707	9.36	0.000969

1	1	33	2011	1	8	0.2944	10.745	6.8800	4.9123	36.4932	9.33	0.000281
1	1	33	2011	1	9	0.3212	11.721	6.8800	4.9123	36.4931	8.00	0.000959
1	1	33	2011	1	10	0.3200	11.677	6.8800	4.9123	36.4932	8.12	0.001996
1	1	33	2011	1	11	0.3463	12.636	6.8800	4.9123	36.4932	7.44	0.000819
1	1	33	2011	1	12	0.3618	13.205	6.8800	4.9123	36.4932	7.05	0.000002
1	1	33	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2011	1	14	0.1239	3.720	7.2800	5.1979	30.0117	32.28	0.000028
1	1	33	2011	1	15	0.0902	4.354	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2011	1	16	0.1283	5.781	6.6500	4.7481	45.0549	12.93	0.008198
1	1	33	2011	1	17	0.1400	6.615	6.6500	4.7481	47.2522	11.65	0.002544
1	1	33	2011	1	18	0.1828	10.363	6.6500	4.7481	56.6821	10.18	0.002699
1	1	33	2011	1	19	0.2027	11.490	6.6500	4.7481	56.6821	9.86	0.001293
1	1	33	2011	1	20	0.2397	15.524	6.6500	4.7481	64.7605	8.70	0.006032
1	1	33	2011	1	21	0.2935	19.005	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2011	1	22	0.3069	39.966	6.6500	4.7481	130.2221	6.58	0.010278
1	1	33	2011	1	23	0.3614	71.485	6.6500	4.7481	197.8148	6.28	0.036527
1	1	33	2011	1	24	1.8861	16.187	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2011	1	25	0.5572	15.173	6.8800	4.9123	27.2301	6.43	0.000303
1	1	33	2011	1	26	0.2804	27.403	6.6500	4.7481	97.7390	4.34	0.003655
1	1	33	2011	1	27	0.4339	11.814	6.6500	4.7481	27.2301	6.19	0.007008
1	1	33	2011	1	28	0.3146	13.836	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2011	2	1	11.6264	348.929	7.2800	5.3799	30.0117	24.09	0.281246
1	1	33	2011	2	2	9.4478	379.762	8.0600	5.7548	40.1957	18.52	0.101405
1	1	33	2011	2	3	10.0083	402.292	8.0600	5.7548	40.1957	18.52	0.337320
1	1	33	2011	2	4	14.4914	548.017	8.0600	5.7548	37.8166	14.25	0.103547
1	1	33	2011	2	5	14.7677	558.463	8.0600	5.7548	37.8166	14.25	0.047578
1	1	33	2011	2	6	5.2988	200.140	6.8800	4.9123	37.7707	10.10	0.027524
1	1	33	2011	2	7	5.8807	222.119	6.8800	4.9123	37.7707	9.36	0.000969
1	1	33	2011	2	8	5.6851	207.466	6.8800	4.9123	36.4932	9.33	0.000281
1	1	33	2011	2	9	6.6254	241.780	6.8800	4.9123	36.4931	8.00	0.000959
1	1	33	2011	2	10	6.5644	239.555	6.8800	4.9123	36.4932	8.12	0.001996
1	1	33	2011	2	11	7.7810	283.953	6.8800	4.9123	36.4932	7.44	0.000819
1	1	33	2011	2	12	8.2931	302.642	6.8800	4.9123	36.4932	7.05	0.000002
1	1	33	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2011	2	14	0.6936	20.817	7.2800	5.1979	30.0117	32.28	0.000028
1	1	33	2011	2	15	0.2978	14.381	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2011	2	16	0.4159	18.737	6.6500	4.7481	45.0549	12.93	0.008198
1	1	33	2011	2	17	0.4416	20.866	6.6500	4.7481	47.2522	11.65	0.002544
1	1	33	2011	2	18	0.6242	35.383	6.6500	4.7481	56.6821	10.18	0.002699
1	1	33	2011	2	19	0.6734	38.167	6.6500	4.7481	56.6821	9.86	0.001293
1	1	33	2011	2	20	0.6461	41.842	6.6500	4.7481	64.7605	8.70	0.006032
1	1	33	2011	2	21	0.7954	51.512	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2011	2	22	1.0390	135.299	6.6500	4.7481	130.2221	6.58	0.010278
1	1	33	2011	2	23	1.3097	259.076	6.6500	4.7481	197.8148	6.28	0.036527
1	1	33	2011	2	24	10.1080	86.749	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2011	2	25	9.4466	257.232	6.8800	4.9123	27.2301	6.43	0.000303
1	1	33	2011	2	26	2.0356	198.959	6.6500	4.7481	97.7390	4.34	0.003655

1	1	33	2011	2	27	1.2314	33.530	6.6500	4.7481	27.2301	6.19	0.007008
1	1	33	2011	2	28	0.5160	22.691	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2011	3	1	0.4616	13.854	7.2800	5.3799	30.0117	24.09	0.281246
1	1	33	2011	3	2	0.3214	12.918	8.0600	5.7548	40.1957	18.52	0.101405
1	1	33	2011	3	3	0.5040	20.259	8.0600	5.7548	40.1957	18.52	0.337320
1	1	33	2011	3	4	0.9846	37.233	8.0600	5.7548	37.8166	14.25	0.103547
1	1	33	2011	3	5	1.3781	52.115	8.0600	5.7548	37.8166	14.25	0.047578
1	1	33	2011	3	6	1.9085	72.087	6.8800	4.9123	37.7707	10.10	0.027524
1	1	33	2011	3	7	2.0178	76.213	6.8800	4.9123	37.7707	9.36	0.000969
1	1	33	2011	3	8	1.7813	65.006	6.8800	4.9123	36.4932	9.33	0.000281
1	1	33	2011	3	9	2.0670	75.431	6.8800	4.9123	36.4931	8.00	0.000959
1	1	33	2011	3	10	2.0537	74.948	6.8800	4.9123	36.4932	8.12	0.001996
1	1	33	2011	3	11	2.2649	82.654	6.8800	4.9123	36.4932	7.44	0.000819
1	1	33	2011	3	12	2.4181	88.246	6.8800	4.9123	36.4932	7.05	0.000002
1	1	33	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2011	3	14	0.2195	6.588	7.2800	5.1979	30.0117	32.28	0.000028
1	1	33	2011	3	15	0.1406	6.788	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2011	3	16	1.7579	79.201	6.6500	4.7481	45.0549	12.93	0.008198
1	1	33	2011	3	17	1.8513	87.476	6.6500	4.7481	47.2522	11.65	0.002544
1	1	33	2011	3	18	2.5579	144.986	6.6500	4.7481	56.6821	10.18	0.002699
1	1	33	2011	3	19	2.7655	156.752	6.6500	4.7481	56.6821	9.86	0.001293
1	1	33	2011	3	20	3.1770	205.742	6.6500	4.7481	64.7605	8.70	0.006032
1	1	33	2011	3	21	3.9251	254.190	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2011	3	22	4.5084	587.091	6.6500	4.7481	130.2221	6.58	0.010278
1	1	33	2011	3	23	5.4405	1076.204	6.6500	4.7481	197.8148	6.28	0.036527
1	1	33	2011	3	24	1.9653	16.867	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2011	3	25	3.9867	108.559	6.8800	4.9123	27.2301	6.43	0.000303
1	1	33	2011	3	26	9.2937	908.353	6.6500	4.7481	97.7390	4.34	0.003655
1	1	33	2011	3	27	6.4250	174.954	6.6500	4.7481	27.2301	6.19	0.007008
1	1	33	2011	3	28	0.4874	21.433	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	34	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	34	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	34	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	34	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	34	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	34	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	34	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	34	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	34	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	34	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	34	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	34	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	34	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	34	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544

1	1	34	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	34	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	34	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	34	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	34	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	34	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	34	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	34	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	34	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2011	1	1	0.3585	10.759	7.2800	5.3799	30.0117	24.09	0.281246
1	1	34	2011	1	2	0.2123	8.534	8.0600	5.7548	40.1957	18.52	0.101405
1	1	34	2011	1	3	0.2452	9.857	8.0600	5.7548	40.1957	18.52	0.337320
1	1	34	2011	1	4	0.5705	21.573	8.0600	5.7548	37.8166	14.25	0.103547
1	1	34	2011	1	5	0.6293	23.797	8.0600	5.7548	37.8166	14.25	0.047578
1	1	34	2011	1	6	0.3135	11.841	6.8800	4.9123	37.7707	10.10	0.027524
1	1	34	2011	1	7	0.3137	11.848	6.8800	4.9123	37.7707	9.36	0.000969
1	1	34	2011	1	8	0.2872	10.482	6.8800	4.9123	36.4932	9.33	0.000281
1	1	34	2011	1	9	0.3130	11.424	6.8800	4.9123	36.4931	8.00	0.000959
1	1	34	2011	1	10	0.3119	11.382	6.8800	4.9123	36.4932	8.12	0.001996
1	1	34	2011	1	11	0.3373	12.307	6.8800	4.9123	36.4932	7.44	0.000819
1	1	34	2011	1	12	0.3523	12.856	6.8800	4.9123	36.4932	7.05	0.000002
1	1	34	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2011	1	14	0.1222	3.668	7.2800	5.1979	30.0117	32.28	0.000028
1	1	34	2011	1	15	0.0888	4.289	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2011	1	16	0.1254	5.651	6.6500	4.7481	45.0549	12.93	0.008198
1	1	34	2011	1	17	0.1369	6.467	6.6500	4.7481	47.2522	11.65	0.002544
1	1	34	2011	1	18	0.1787	10.130	6.6500	4.7481	56.6821	10.18	0.002699
1	1	34	2011	1	19	0.1982	11.232	6.6500	4.7481	56.6821	9.86	0.001293
1	1	34	2011	1	20	0.2343	15.176	6.6500	4.7481	64.7605	8.70	0.006032
1	1	34	2011	1	21	0.2869	18.579	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2011	1	22	0.3000	39.070	6.6500	4.7481	130.2221	6.58	0.010278
1	1	34	2011	1	23	0.3533	69.883	6.6500	4.7481	197.8148	6.28	0.036527
1	1	34	2011	1	24	1.8656	16.011	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2011	1	25	0.5420	14.760	6.8800	4.9123	27.2301	6.43	0.000303
1	1	34	2011	1	26	0.2741	26.788	6.6500	4.7481	97.7390	4.34	0.003655
1	1	34	2011	1	27	0.4242	11.550	6.6500	4.7481	27.2301	6.19	0.007008
1	1	34	2011	1	28	0.3100	13.630	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2011	2	1	11.6935	350.942	7.2800	5.3799	30.0117	24.09	0.281246
1	1	34	2011	2	2	9.5086	382.206	8.0600	5.7548	40.1957	18.52	0.101405
1	1	34	2011	2	3	10.0739	404.929	8.0600	5.7548	40.1957	18.52	0.337320
1	1	34	2011	2	4	14.5898	551.735	8.0600	5.7548	37.8166	14.25	0.103547
1	1	34	2011	2	5	14.8672	562.229	8.0600	5.7548	37.8166	14.25	0.047578
1	1	34	2011	2	6	5.2143	196.949	6.8800	4.9123	37.7707	10.10	0.027524
1	1	34	2011	2	7	5.7870	218.578	6.8800	4.9123	37.7707	9.36	0.000969
1	1	34	2011	2	8	5.5944	204.159	6.8800	4.9123	36.4932	9.33	0.000281

1	1	34	2011	2	9	6.5197	237.926	6.8800	4.9123	36.4931	8.00	0.000959
1	1	34	2011	2	10	6.4597	235.736	6.8800	4.9123	36.4932	8.12	0.001996
1	1	34	2011	2	11	7.6570	279.427	6.8800	4.9123	36.4932	7.44	0.000819
1	1	34	2011	2	12	8.1609	297.818	6.8800	4.9123	36.4932	7.05	0.000002
1	1	34	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2011	2	14	0.6860	20.588	7.2800	5.1979	30.0117	32.28	0.000028
1	1	34	2011	2	15	0.2942	14.206	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2011	2	16	0.4075	18.359	6.6500	4.7481	45.0549	12.93	0.008198
1	1	34	2011	2	17	0.4327	20.445	6.6500	4.7481	47.2522	11.65	0.002544
1	1	34	2011	2	18	0.6116	34.669	6.6500	4.7481	56.6821	10.18	0.002699
1	1	34	2011	2	19	0.6598	37.397	6.6500	4.7481	56.6821	9.86	0.001293
1	1	34	2011	2	20	0.6331	40.998	6.6500	4.7481	64.7605	8.70	0.006032
1	1	34	2011	2	21	0.7794	50.472	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2011	2	22	1.0180	132.568	6.6500	4.7481	130.2221	6.58	0.010278
1	1	34	2011	2	23	1.2832	253.846	6.6500	4.7481	197.8148	6.28	0.036527
1	1	34	2011	2	24	9.9321	85.239	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2011	2	25	9.2960	253.132	6.8800	4.9123	27.2301	6.43	0.000303
1	1	34	2011	2	26	1.9945	194.942	6.6500	4.7481	97.7390	4.34	0.003655
1	1	34	2011	2	27	1.2065	32.853	6.6500	4.7481	27.2301	6.19	0.007008
1	1	34	2011	2	28	0.5101	22.431	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2011	3	1	0.4637	13.916	7.2800	5.3799	30.0117	24.09	0.281246
1	1	34	2011	3	2	0.3231	12.988	8.0600	5.7548	40.1957	18.52	0.101405
1	1	34	2011	3	3	0.5059	20.335	8.0600	5.7548	40.1957	18.52	0.337320
1	1	34	2011	3	4	0.9871	37.329	8.0600	5.7548	37.8166	14.25	0.103547
1	1	34	2011	3	5	1.3804	52.203	8.0600	5.7548	37.8166	14.25	0.047578
1	1	34	2011	3	6	1.9240	72.671	6.8800	4.9123	37.7707	10.10	0.027524
1	1	34	2011	3	7	2.0341	76.830	6.8800	4.9123	37.7707	9.36	0.000969
1	1	34	2011	3	8	1.7958	65.533	6.8800	4.9123	36.4932	9.33	0.000281
1	1	34	2011	3	9	2.0837	76.042	6.8800	4.9123	36.4931	8.00	0.000959
1	1	34	2011	3	10	2.0704	75.555	6.8800	4.9123	36.4932	8.12	0.001996
1	1	34	2011	3	11	2.2833	83.324	6.8800	4.9123	36.4932	7.44	0.000819
1	1	34	2011	3	12	2.4377	88.961	6.8800	4.9123	36.4932	7.05	0.000002
1	1	34	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2011	3	14	0.2207	6.623	7.2800	5.1979	30.0117	32.28	0.000028
1	1	34	2011	3	15	0.1413	6.824	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2011	3	16	1.7676	79.641	6.6500	4.7481	45.0549	12.93	0.008198
1	1	34	2011	3	17	1.8615	87.962	6.6500	4.7481	47.2522	11.65	0.002544
1	1	34	2011	3	18	2.5721	145.792	6.6500	4.7481	56.6821	10.18	0.002699
1	1	34	2011	3	19	2.7808	157.623	6.6500	4.7481	56.6821	9.86	0.001293
1	1	34	2011	3	20	3.1950	206.908	6.6500	4.7481	64.7605	8.70	0.006032
1	1	34	2011	3	21	3.9473	255.630	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2011	3	22	4.5329	590.278	6.6500	4.7481	130.2221	6.58	0.010278
1	1	34	2011	3	23	5.4694	1081.925	6.6500	4.7481	197.8148	6.28	0.036527
1	1	34	2011	3	24	1.9755	16.955	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2011	3	25	4.0190	109.438	6.8800	4.9123	27.2301	6.43	0.000303
1	1	34	2011	3	26	9.3469	913.555	6.6500	4.7481	97.7390	4.34	0.003655
1	1	34	2011	3	27	6.4618	175.955	6.6500	4.7481	27.2301	6.19	0.007008

1	1	34	2011	3	28	0.4900	21.547	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	35	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	35	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	35	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	35	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	35	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	35	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	35	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	35	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	35	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	35	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	35	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	35	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	35	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	35	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	35	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	35	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	35	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	35	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	35	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	35	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	35	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	35	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	35	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2011	1	1	0.3572	10.720	7.2800	5.3799	30.0117	24.09	0.281246
1	1	35	2011	1	2	0.2120	8.520	8.0600	5.7548	40.1957	18.52	0.101405
1	1	35	2011	1	3	0.2450	9.847	8.0600	5.7548	40.1957	18.52	0.337320
1	1	35	2011	1	4	0.5682	21.489	8.0600	5.7548	37.8166	14.25	0.103547
1	1	35	2011	1	5	0.6269	23.709	8.0600	5.7548	37.8166	14.25	0.047578
1	1	35	2011	1	6	0.3058	11.549	6.8800	4.9123	37.7707	10.10	0.027524
1	1	35	2011	1	7	0.3060	11.557	6.8800	4.9123	37.7707	9.36	0.000969
1	1	35	2011	1	8	0.2804	10.232	6.8800	4.9123	36.4932	9.33	0.000281
1	1	35	2011	1	9	0.3053	11.143	6.8800	4.9123	36.4931	8.00	0.000959
1	1	35	2011	1	10	0.3042	11.102	6.8800	4.9123	36.4932	8.12	0.001996
1	1	35	2011	1	11	0.3287	11.996	6.8800	4.9123	36.4932	7.44	0.000819
1	1	35	2011	1	12	0.3432	12.526	6.8800	4.9123	36.4932	7.05	0.000002
1	1	35	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2011	1	14	0.1206	3.619	7.2800	5.1979	30.0117	32.28	0.000028
1	1	35	2011	1	15	0.0875	4.226	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2011	1	16	0.1227	5.529	6.6500	4.7481	45.0549	12.93	0.008198
1	1	35	2011	1	17	0.1339	6.326	6.6500	4.7481	47.2522	11.65	0.002544
1	1	35	2011	1	18	0.1748	9.910	6.6500	4.7481	56.6821	10.18	0.002699

1	1	35	2011	1	19	0.1939	10.988	6.6500	4.7481	56.6821	9.86	0.001293
1	1	35	2011	1	20	0.2293	14.847	6.6500	4.7481	64.7605	8.70	0.006032
1	1	35	2011	1	21	0.2807	18.176	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2011	1	22	0.2935	38.221	6.6500	4.7481	130.2221	6.58	0.010278
1	1	35	2011	1	23	0.3456	68.365	6.6500	4.7481	197.8148	6.28	0.036527
1	1	35	2011	1	24	1.8462	15.845	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2011	1	25	0.5277	14.369	6.8800	4.9123	27.2301	6.43	0.000303
1	1	35	2011	1	26	0.2681	26.207	6.6500	4.7481	97.7390	4.34	0.003655
1	1	35	2011	1	27	0.4149	11.299	6.6500	4.7481	27.2301	6.19	0.007008
1	1	35	2011	1	28	0.3055	13.436	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2011	2	1	11.7570	352.848	7.2800	5.3799	30.0117	24.09	0.281246
1	1	35	2011	2	2	9.5662	384.522	8.0600	5.7548	40.1957	18.52	0.101405
1	1	35	2011	2	3	10.1361	407.427	8.0600	5.7548	40.1957	18.52	0.337320
1	1	35	2011	2	4	14.6829	555.258	8.0600	5.7548	37.8166	14.25	0.103547
1	1	35	2011	2	5	14.9616	565.797	8.0600	5.7548	37.8166	14.25	0.047578
1	1	35	2011	2	6	5.1343	193.927	6.8800	4.9123	37.7707	10.10	0.027524
1	1	35	2011	2	7	5.6982	215.224	6.8800	4.9123	37.7707	9.36	0.000969
1	1	35	2011	2	8	5.5086	201.026	6.8800	4.9123	36.4932	9.33	0.000281
1	1	35	2011	2	9	6.4197	234.275	6.8800	4.9123	36.4931	8.00	0.000959
1	1	35	2011	2	10	6.3606	232.119	6.8800	4.9123	36.4932	8.12	0.001996
1	1	35	2011	2	11	7.5395	275.139	6.8800	4.9123	36.4932	7.44	0.000819
1	1	35	2011	2	12	8.0357	293.247	6.8800	4.9123	36.4932	7.05	0.000002
1	1	35	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2011	2	14	0.6788	20.371	7.2800	5.1979	30.0117	32.28	0.000028
1	1	35	2011	2	15	0.2908	14.039	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2011	2	16	0.3995	18.001	6.6500	4.7481	45.0549	12.93	0.008198
1	1	35	2011	2	17	0.4242	20.046	6.6500	4.7481	47.2522	11.65	0.002544
1	1	35	2011	2	18	0.5997	33.992	6.6500	4.7481	56.6821	10.18	0.002699
1	1	35	2011	2	19	0.6469	36.667	6.6500	4.7481	56.6821	9.86	0.001293
1	1	35	2011	2	20	0.6207	40.197	6.6500	4.7481	64.7605	8.70	0.006032
1	1	35	2011	2	21	0.7641	49.486	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2011	2	22	0.9981	129.980	6.6500	4.7481	130.2221	6.58	0.010278
1	1	35	2011	2	23	1.2582	248.891	6.6500	4.7481	197.8148	6.28	0.036527
1	1	35	2011	2	24	9.7654	83.809	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2011	2	25	9.1534	249.247	6.8800	4.9123	27.2301	6.43	0.000303
1	1	35	2011	2	26	1.9556	191.137	6.6500	4.7481	97.7390	4.34	0.003655
1	1	35	2011	2	27	1.1829	32.212	6.6500	4.7481	27.2301	6.19	0.007008
1	1	35	2011	2	28	0.5045	22.185	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2011	3	1	0.4656	13.975	7.2800	5.3799	30.0117	24.09	0.281246
1	1	35	2011	3	2	0.3248	13.054	8.0600	5.7548	40.1957	18.52	0.101405
1	1	35	2011	3	3	0.5077	20.408	8.0600	5.7548	40.1957	18.52	0.337320
1	1	35	2011	3	4	0.9895	37.421	8.0600	5.7548	37.8166	14.25	0.103547
1	1	35	2011	3	5	1.3826	52.286	8.0600	5.7548	37.8166	14.25	0.047578
1	1	35	2011	3	6	1.9386	73.224	6.8800	4.9123	37.7707	10.10	0.027524
1	1	35	2011	3	7	2.0496	77.415	6.8800	4.9123	37.7707	9.36	0.000969
1	1	35	2011	3	8	1.8094	66.032	6.8800	4.9123	36.4932	9.33	0.000281
1	1	35	2011	3	9	2.0996	76.621	6.8800	4.9123	36.4931	8.00	0.000959

1	1	35	2011	3	10	2.0861	76.130	6.8800	4.9123	36.4932	8.12	0.001996
1	1	35	2011	3	11	2.3007	83.958	6.8800	4.9123	36.4932	7.44	0.000819
1	1	35	2011	3	12	2.4563	89.638	6.8800	4.9123	36.4932	7.05	0.000002
1	1	35	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2011	3	14	0.2218	6.656	7.2800	5.1979	30.0117	32.28	0.000028
1	1	35	2011	3	15	0.1420	6.859	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2011	3	16	1.7769	80.058	6.6500	4.7481	45.0549	12.93	0.008198
1	1	35	2011	3	17	1.8713	88.423	6.6500	4.7481	47.2522	11.65	0.002544
1	1	35	2011	3	18	2.5856	146.555	6.6500	4.7481	56.6821	10.18	0.002699
1	1	35	2011	3	19	2.7954	158.449	6.6500	4.7481	56.6821	9.86	0.001293
1	1	35	2011	3	20	3.2120	208.012	6.6500	4.7481	64.7605	8.70	0.006032
1	1	35	2011	3	21	3.9684	256.994	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2011	3	22	4.5560	593.298	6.6500	4.7481	130.2221	6.58	0.010278
1	1	35	2011	3	23	5.4968	1087.345	6.6500	4.7481	197.8148	6.28	0.036527
1	1	35	2011	3	24	1.9852	17.038	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2011	3	25	4.0496	110.272	6.8800	4.9123	27.2301	6.43	0.000303
1	1	35	2011	3	26	9.3973	918.483	6.6500	4.7481	97.7390	4.34	0.003655
1	1	35	2011	3	27	6.4966	176.903	6.6500	4.7481	27.2301	6.19	0.007008
1	1	35	2011	3	28	0.4925	21.655	8.0600	5.7548	43.9743	17.00	0.002242
1	1	36	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	36	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	36	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	36	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	36	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	36	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	36	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	36	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	36	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	36	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	36	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	36	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	36	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	36	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	36	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	36	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	36	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	36	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	36	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	36	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	36	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	36	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	36	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	36	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242

1	1	36	2011	1	1	0.3560	10.684	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	36	2011	1	2	0.2117	8.508	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	36	2011	1	3	0.2447	9.837	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	36	2011	1	4	0.5661	21.409	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	36	2011	1	5	0.6247	23.625	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	36	2011	1	6	0.2985	11.273	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	36	2011	1	7	0.2986	11.280	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	36	2011	1	8	0.2739	9.996	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	36	2011	1	9	0.2980	10.876	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	36	2011	1	10	0.2969	10.836	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	36	2011	1	11	0.3206	11.700	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	36	2011	1	12	0.3347	12.213	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	36	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	36	2011	1	14	0.1190	3.572	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	36	2011	1	15	0.0863	4.167	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	36	2011	1	16	0.1201	5.412	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	36	2011	1	17	0.1311	6.193	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	36	2011	1	18	0.1712	9.702	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	36	2011	1	19	0.1898	10.757	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	36	2011	1	20	0.2244	14.534	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	36	2011	1	21	0.2747	17.793	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	36	2011	1	22	0.2873	37.416	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	36	2011	1	23	0.3383	66.924	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	36	2011	1	24	1.8278	15.687	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	36	2011	1	25	0.5141	13.998	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	36	2011	1	26	0.2625	25.654	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	36	2011	1	27	0.4062	11.061	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	36	2011	1	28	0.3013	13.251	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	36	2011	2	1	11.8173	354.657	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	36	2011	2	2	9.6209	386.718	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	36	2011	2	3	10.1951	409.798	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	36	2011	2	4	14.7713	558.601	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	36	2011	2	5	15.0511	569.182	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	36	2011	2	6	5.0584	191.060	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	36	2011	2	7	5.6139	212.041	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	36	2011	2	8	5.4271	198.053	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	36	2011	2	9	6.3248	230.811	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	36	2011	2	10	6.2666	228.687	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	36	2011	2	11	7.4280	271.070	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	36	2011	2	12	7.9169	288.912	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	36	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	36	2011	2	14	0.6719	20.165	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	36	2011	2	15	0.2875	13.882	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	36	2011	2	16	0.3920	17.661	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	36	2011	2	17	0.4162	19.668	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	36	2011	2	18	0.5884	33.350	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	36	2011	2	19	0.6347	35.974	6.6500	4.7481	56.6821	9.86
0.001293											

1	1	36	2011	2	20	0.6090	39.438	6.6500	4.7481	64.7605	8.70	0.006032
1	1	36	2011	2	21	0.7497	48.552	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2011	2	22	0.9793	127.525	6.6500	4.7481	130.2221	6.58	0.010278
1	1	36	2011	2	23	1.2344	244.190	6.6500	4.7481	197.8148	6.28	0.036527
1	1	36	2011	2	24	9.6073	82.452	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2011	2	25	9.0180	245.562	6.8800	4.9123	27.2301	6.43	0.000303
1	1	36	2011	2	26	1.9187	187.527	6.6500	4.7481	97.7390	4.34	0.003655
1	1	36	2011	2	27	1.1606	31.603	6.6500	4.7481	27.2301	6.19	0.007008
1	1	36	2011	2	28	0.4992	21.951	8.0600	5.7548	43.9743	17.00	0.002242
1	1	36	2011	3	1	0.4675	14.030	7.2800	5.3799	30.0117	24.09	0.281246
1	1	36	2011	3	2	0.3263	13.117	8.0600	5.7548	40.1957	18.52	0.101405
1	1	36	2011	3	3	0.5094	20.476	8.0600	5.7548	40.1957	18.52	0.337320
1	1	36	2011	3	4	0.9918	37.507	8.0600	5.7548	37.8166	14.25	0.103547
1	1	36	2011	3	5	1.3847	52.364	8.0600	5.7548	37.8166	14.25	0.047578
1	1	36	2011	3	6	1.9525	73.749	6.8800	4.9123	37.7707	10.10	0.027524
1	1	36	2011	3	7	2.0643	77.970	6.8800	4.9123	37.7707	9.36	0.000969
1	1	36	2011	3	8	1.8224	66.505	6.8800	4.9123	36.4932	9.33	0.000281
1	1	36	2011	3	9	2.1147	77.170	6.8800	4.9123	36.4931	8.00	0.000959
1	1	36	2011	3	10	2.1011	76.676	6.8800	4.9123	36.4932	8.12	0.001996
1	1	36	2011	3	11	2.3171	84.560	6.8800	4.9123	36.4932	7.44	0.000819
1	1	36	2011	3	12	2.4739	90.280	6.8800	4.9123	36.4932	7.05	0.000002
1	1	36	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2011	3	14	0.2228	6.687	7.2800	5.1979	30.0117	32.28	0.000028
1	1	36	2011	3	15	0.1427	6.891	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2011	3	16	1.7857	80.454	6.6500	4.7481	45.0549	12.93	0.008198
1	1	36	2011	3	17	1.8805	88.860	6.6500	4.7481	47.2522	11.65	0.002544
1	1	36	2011	3	18	2.5983	147.279	6.6500	4.7481	56.6821	10.18	0.002699
1	1	36	2011	3	19	2.8092	159.232	6.6500	4.7481	56.6821	9.86	0.001293
1	1	36	2011	3	20	3.2282	209.059	6.6500	4.7481	64.7605	8.70	0.006032
1	1	36	2011	3	21	3.9884	258.288	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2011	3	22	4.5780	596.162	6.6500	4.7481	130.2221	6.58	0.010278
1	1	36	2011	3	23	5.5228	1092.487	6.6500	4.7481	197.8148	6.28	0.036527
1	1	36	2011	3	24	1.9944	17.117	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2011	3	25	4.0786	111.062	6.8800	4.9123	27.2301	6.43	0.000303
1	1	36	2011	3	26	9.4451	923.159	6.6500	4.7481	97.7390	4.34	0.003655
1	1	36	2011	3	27	6.5296	177.803	6.6500	4.7481	27.2301	6.19	0.007008
1	1	36	2011	3	28	0.4948	21.758	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	37	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	37	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	37	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	37	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	37	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	37	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	37	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	37	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	37	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996

1	1	37	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	37	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	37	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	37	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	37	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	37	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	37	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	37	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	37	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	37	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	37	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	37	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	37	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	37	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2011	1	1	0.3548	10.649	7.2800	5.3799	30.0117	24.09	0.281246
1	1	37	2011	1	2	0.2114	8.496	8.0600	5.7548	40.1957	18.52	0.101405
1	1	37	2011	1	3	0.2445	9.827	8.0600	5.7548	40.1957	18.52	0.337320
1	1	37	2011	1	4	0.5641	21.333	8.0600	5.7548	37.8166	14.25	0.103547
1	1	37	2011	1	5	0.6226	23.546	8.0600	5.7548	37.8166	14.25	0.047578
1	1	37	2011	1	6	0.2915	11.011	6.8800	4.9123	37.7707	10.10	0.027524
1	1	37	2011	1	7	0.2917	11.017	6.8800	4.9123	37.7707	9.36	0.000969
1	1	37	2011	1	8	0.2678	9.771	6.8800	4.9123	36.4932	9.33	0.000281
1	1	37	2011	1	9	0.2911	10.622	6.8800	4.9123	36.4931	8.00	0.000959
1	1	37	2011	1	10	0.2900	10.584	6.8800	4.9123	36.4932	8.12	0.001996
1	1	37	2011	1	11	0.3129	11.420	6.8800	4.9123	36.4932	7.44	0.000819
1	1	37	2011	1	12	0.3265	11.915	6.8800	4.9123	36.4932	7.05	0.000002
1	1	37	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2011	1	14	0.1176	3.528	7.2800	5.1979	30.0117	32.28	0.000028
1	1	37	2011	1	15	0.0852	4.111	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2011	1	16	0.1177	5.301	6.6500	4.7481	45.0549	12.93	0.008198
1	1	37	2011	1	17	0.1284	6.067	6.6500	4.7481	47.2522	11.65	0.002544
1	1	37	2011	1	18	0.1677	9.503	6.6500	4.7481	56.6821	10.18	0.002699
1	1	37	2011	1	19	0.1859	10.537	6.6500	4.7481	56.6821	9.86	0.001293
1	1	37	2011	1	20	0.2198	14.237	6.6500	4.7481	64.7605	8.70	0.006032
1	1	37	2011	1	21	0.2691	17.429	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2011	1	22	0.2814	36.651	6.6500	4.7481	130.2221	6.58	0.010278
1	1	37	2011	1	23	0.3314	65.556	6.6500	4.7481	197.8148	6.28	0.036527
1	1	37	2011	1	24	1.8103	15.537	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2011	1	25	0.5011	13.646	6.8800	4.9123	27.2301	6.43	0.000303
1	1	37	2011	1	26	0.2571	25.130	6.6500	4.7481	97.7390	4.34	0.003655
1	1	37	2011	1	27	0.3979	10.835	6.6500	4.7481	27.2301	6.19	0.007008
1	1	37	2011	1	28	0.2973	13.075	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2011	2	1	11.8745	356.375	7.2800	5.3799	30.0117	24.09	0.281246

1	1	37	2011	2	2	9.6728	388.805	8.0600	5.7548	40.1957	18.52	0.101405
1	1	37	2011	2	3	10.2511	412.049	8.0600	5.7548	40.1957	18.52	0.337320
1	1	37	2011	2	4	14.8553	561.776	8.0600	5.7548	37.8166	14.25	0.103547
1	1	37	2011	2	5	15.1361	572.398	8.0600	5.7548	37.8166	14.25	0.047578
1	1	37	2011	2	6	4.9863	188.336	6.8800	4.9123	37.7707	10.10	0.027524
1	1	37	2011	2	7	5.5339	209.018	6.8800	4.9123	37.7707	9.36	0.000969
1	1	37	2011	2	8	5.3498	195.230	6.8800	4.9123	36.4932	9.33	0.000281
1	1	37	2011	2	9	6.2346	227.520	6.8800	4.9123	36.4931	8.00	0.000959
1	1	37	2011	2	10	6.1772	225.426	6.8800	4.9123	36.4932	8.12	0.001996
1	1	37	2011	2	11	7.3221	267.206	6.8800	4.9123	36.4932	7.44	0.000819
1	1	37	2011	2	12	7.8040	284.792	6.8800	4.9123	36.4932	7.05	0.000002
1	1	37	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2011	2	14	0.6654	19.969	7.2800	5.1979	30.0117	32.28	0.000028
1	1	37	2011	2	15	0.2844	13.732	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2011	2	16	0.3848	17.338	6.6500	4.7481	45.0549	12.93	0.008198
1	1	37	2011	2	17	0.4086	19.308	6.6500	4.7481	47.2522	11.65	0.002544
1	1	37	2011	2	18	0.5776	32.740	6.6500	4.7481	56.6821	10.18	0.002699
1	1	37	2011	2	19	0.6231	35.316	6.6500	4.7481	56.6821	9.86	0.001293
1	1	37	2011	2	20	0.5978	38.717	6.6500	4.7481	64.7605	8.70	0.006032
1	1	37	2011	2	21	0.7360	47.664	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2011	2	22	0.9614	125.193	6.6500	4.7481	130.2221	6.58	0.010278
1	1	37	2011	2	23	1.2119	239.724	6.6500	4.7481	197.8148	6.28	0.036527
1	1	37	2011	2	24	9.4571	81.163	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2011	2	25	8.8895	242.061	6.8800	4.9123	27.2301	6.43	0.000303
1	1	37	2011	2	26	1.8836	184.098	6.6500	4.7481	97.7390	4.34	0.003655
1	1	37	2011	2	27	1.1394	31.025	6.6500	4.7481	27.2301	6.19	0.007008
1	1	37	2011	2	28	0.4941	21.729	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2011	3	1	0.4693	14.083	7.2800	5.3799	30.0117	24.09	0.281246
1	1	37	2011	3	2	0.3278	13.177	8.0600	5.7548	40.1957	18.52	0.101405
1	1	37	2011	3	3	0.5110	20.541	8.0600	5.7548	40.1957	18.52	0.337320
1	1	37	2011	3	4	0.9940	37.590	8.0600	5.7548	37.8166	14.25	0.103547
1	1	37	2011	3	5	1.3867	52.439	8.0600	5.7548	37.8166	14.25	0.047578
1	1	37	2011	3	6	1.9657	74.247	6.8800	4.9123	37.7707	10.10	0.027524
1	1	37	2011	3	7	2.0783	78.497	6.8800	4.9123	37.7707	9.36	0.000969
1	1	37	2011	3	8	1.8347	66.955	6.8800	4.9123	36.4932	9.33	0.000281
1	1	37	2011	3	9	2.1289	77.692	6.8800	4.9123	36.4931	8.00	0.000959
1	1	37	2011	3	10	2.1153	77.194	6.8800	4.9123	36.4932	8.12	0.001996
1	1	37	2011	3	11	2.3328	85.132	6.8800	4.9123	36.4932	7.44	0.000819
1	1	37	2011	3	12	2.4906	90.891	6.8800	4.9123	36.4932	7.05	0.000002
1	1	37	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2011	3	14	0.2238	6.716	7.2800	5.1979	30.0117	32.28	0.000028
1	1	37	2011	3	15	0.1434	6.922	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2011	3	16	1.7940	80.830	6.6500	4.7481	45.0549	12.93	0.008198
1	1	37	2011	3	17	1.8893	89.275	6.6500	4.7481	47.2522	11.65	0.002544
1	1	37	2011	3	18	2.6105	147.968	6.6500	4.7481	56.6821	10.18	0.002699
1	1	37	2011	3	19	2.8223	159.976	6.6500	4.7481	56.6821	9.86	0.001293
1	1	37	2011	3	20	3.2435	210.054	6.6500	4.7481	64.7605	8.70	0.006032

1	1	37	2011	3	21	4.0073	259.517	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2011	3	22	4.5989	598.884	6.6500	4.7481	130.2221	6.58	0.010278
1	1	37	2011	3	23	5.5475	1097.372	6.6500	4.7481	197.8148	6.28	0.036527
1	1	37	2011	3	24	2.0032	17.192	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2011	3	25	4.1062	111.813	6.8800	4.9123	27.2301	6.43	0.000303
1	1	37	2011	3	26	9.4906	927.600	6.6500	4.7481	97.7390	4.34	0.003655
1	1	37	2011	3	27	6.5610	178.658	6.6500	4.7481	27.2301	6.19	0.007008
1	1	37	2011	3	28	0.4970	21.856	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	38	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	38	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	38	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	38	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	38	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	38	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	38	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	38	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	38	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	38	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	38	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	38	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	38	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	38	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	38	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	38	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	38	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	38	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	38	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	38	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	38	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	38	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	38	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2011	1	1	0.3538	10.617	7.2800	5.3799	30.0117	24.09	0.281246
1	1	38	2011	1	2	0.2112	8.488	8.0600	5.7548	40.1957	18.52	0.101405
1	1	38	2011	1	3	0.2444	9.822	8.0600	5.7548	40.1957	18.52	0.337320
1	1	38	2011	1	4	0.5620	21.254	8.0600	5.7548	37.8166	14.25	0.103547
1	1	38	2011	1	5	0.6204	23.462	8.0600	5.7548	37.8166	14.25	0.047578
1	1	38	2011	1	6	0.2857	10.793	6.8800	4.9123	37.7707	10.10	0.027524
1	1	38	2011	1	7	0.2859	10.799	6.8800	4.9123	37.7707	9.36	0.000969
1	1	38	2011	1	8	0.2627	9.586	6.8800	4.9123	36.4932	9.33	0.000281
1	1	38	2011	1	9	0.2853	10.413	6.8800	4.9123	36.4931	8.00	0.000959
1	1	38	2011	1	10	0.2843	10.376	6.8800	4.9123	36.4932	8.12	0.001996
1	1	38	2011	1	11	0.3066	11.189	6.8800	4.9123	36.4932	7.44	0.000819

1	1	38	2011	1	12	0.3198	11.671	6.8800	4.9123	36.4932	7.05	0.000002
1	1	38	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2011	1	14	0.1162	3.489	7.2800	5.1979	30.0117	32.28	0.000028
1	1	38	2011	1	15	0.0841	4.062	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2011	1	16	0.1155	5.203	6.6500	4.7481	45.0549	12.93	0.008198
1	1	38	2011	1	17	0.1260	5.954	6.6500	4.7481	47.2522	11.65	0.002544
1	1	38	2011	1	18	0.1646	9.327	6.6500	4.7481	56.6821	10.18	0.002699
1	1	38	2011	1	19	0.1825	10.342	6.6500	4.7481	56.6821	9.86	0.001293
1	1	38	2011	1	20	0.2158	13.973	6.6500	4.7481	64.7605	8.70	0.006032
1	1	38	2011	1	21	0.2642	17.107	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2011	1	22	0.2762	35.973	6.6500	4.7481	130.2221	6.58	0.010278
1	1	38	2011	1	23	0.3253	64.344	6.6500	4.7481	197.8148	6.28	0.036527
1	1	38	2011	1	24	1.7980	15.431	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2011	1	25	0.4904	13.354	6.8800	4.9123	27.2301	6.43	0.000303
1	1	38	2011	1	26	0.2524	24.665	6.6500	4.7481	97.7390	4.34	0.003655
1	1	38	2011	1	27	0.3905	10.634	6.6500	4.7481	27.2301	6.19	0.007008
1	1	38	2011	1	28	0.2938	12.920	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2011	2	1	11.9446	358.477	7.2800	5.3799	30.0117	24.09	0.281246
1	1	38	2011	2	2	9.7363	391.357	8.0600	5.7548	40.1957	18.52	0.101405
1	1	38	2011	2	3	10.3196	414.803	8.0600	5.7548	40.1957	18.52	0.337320
1	1	38	2011	2	4	14.9579	565.659	8.0600	5.7548	37.8166	14.25	0.103547
1	1	38	2011	2	5	15.2401	576.331	8.0600	5.7548	37.8166	14.25	0.047578
1	1	38	2011	2	6	4.9619	187.416	6.8800	4.9123	37.7707	10.10	0.027524
1	1	38	2011	2	7	5.5068	207.997	6.8800	4.9123	37.7707	9.36	0.000969
1	1	38	2011	2	8	5.3236	194.276	6.8800	4.9123	36.4932	9.33	0.000281
1	1	38	2011	2	9	6.2042	226.409	6.8800	4.9123	36.4931	8.00	0.000959
1	1	38	2011	2	10	6.1471	224.325	6.8800	4.9123	36.4932	8.12	0.001996
1	1	38	2011	2	11	7.2863	265.901	6.8800	4.9123	36.4932	7.44	0.000819
1	1	38	2011	2	12	7.7659	283.402	6.8800	4.9123	36.4932	7.05	0.000002
1	1	38	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2011	2	14	0.6614	19.849	7.2800	5.1979	30.0117	32.28	0.000028
1	1	38	2011	2	15	0.2825	13.640	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2011	2	16	0.3804	17.140	6.6500	4.7481	45.0549	12.93	0.008198
1	1	38	2011	2	17	0.4040	19.088	6.6500	4.7481	47.2522	11.65	0.002544
1	1	38	2011	2	18	0.5710	32.367	6.6500	4.7481	56.6821	10.18	0.002699
1	1	38	2011	2	19	0.6160	34.914	6.6500	4.7481	56.6821	9.86	0.001293
1	1	38	2011	2	20	0.5910	38.276	6.6500	4.7481	64.7605	8.70	0.006032
1	1	38	2011	2	21	0.7276	47.121	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2011	2	22	0.9504	123.768	6.6500	4.7481	130.2221	6.58	0.010278
1	1	38	2011	2	23	1.1981	236.995	6.6500	4.7481	197.8148	6.28	0.036527
1	1	38	2011	2	24	9.3411	80.167	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2011	2	25	8.8460	240.879	6.8800	4.9123	27.2301	6.43	0.000303
1	1	38	2011	2	26	1.8621	182.002	6.6500	4.7481	97.7390	4.34	0.003655
1	1	38	2011	2	27	1.1264	30.672	6.6500	4.7481	27.2301	6.19	0.007008
1	1	38	2011	2	28	0.4910	21.593	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2011	3	1	0.4719	14.163	7.2800	5.3799	30.0117	24.09	0.281246
1	1	38	2011	3	2	0.3300	13.265	8.0600	5.7548	40.1957	18.52	0.101405

1	1	38	2011	3	3	0.5136	20.645	8.0600	5.7548	40.1957	18.52	0.337320
1	1	38	2011	3	4	0.9977	37.729	8.0600	5.7548	37.8166	14.25	0.103547
1	1	38	2011	3	5	1.3902	52.572	8.0600	5.7548	37.8166	14.25	0.047578
1	1	38	2011	3	6	1.9819	74.857	6.8800	4.9123	37.7707	10.10	0.027524
1	1	38	2011	3	7	2.0953	79.142	6.8800	4.9123	37.7707	9.36	0.000969
1	1	38	2011	3	8	1.8498	67.505	6.8800	4.9123	36.4932	9.33	0.000281
1	1	38	2011	3	9	2.1464	78.330	6.8800	4.9123	36.4931	8.00	0.000959
1	1	38	2011	3	10	2.1327	77.828	6.8800	4.9123	36.4932	8.12	0.001996
1	1	38	2011	3	11	2.3520	85.831	6.8800	4.9123	36.4932	7.44	0.000819
1	1	38	2011	3	12	2.5111	91.637	6.8800	4.9123	36.4932	7.05	0.000002
1	1	38	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2011	3	14	0.2268	6.806	7.2800	5.1979	30.0117	32.28	0.000028
1	1	38	2011	3	15	0.1453	7.015	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2011	3	16	1.8191	81.960	6.6500	4.7481	45.0549	12.93	0.008198
1	1	38	2011	3	17	1.9157	90.523	6.6500	4.7481	47.2522	11.65	0.002544
1	1	38	2011	3	18	2.6470	150.037	6.6500	4.7481	56.6821	10.18	0.002699
1	1	38	2011	3	19	2.8618	162.212	6.6500	4.7481	56.6821	9.86	0.001293
1	1	38	2011	3	20	3.2897	213.045	6.6500	4.7481	64.7605	8.70	0.006032
1	1	38	2011	3	21	4.0644	263.213	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2011	3	22	4.6618	607.066	6.6500	4.7481	130.2221	6.58	0.010278
1	1	38	2011	3	23	5.6217	1112.059	6.6500	4.7481	197.8148	6.28	0.036527
1	1	38	2011	3	24	2.0113	17.262	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2011	3	25	4.1399	112.731	6.8800	4.9123	27.2301	6.43	0.000303
1	1	38	2011	3	26	9.6272	940.956	6.6500	4.7481	97.7390	4.34	0.003655
1	1	38	2011	3	27	6.6554	181.229	6.6500	4.7481	27.2301	6.19	0.007008
1	1	38	2011	3	28	0.5037	22.149	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	39	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	39	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	39	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	39	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	39	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	39	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	39	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	39	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	39	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	39	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	39	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	39	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	39	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	39	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	39	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	39	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	39	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	39	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655

1	1	39	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	39	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	39	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	39	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	39	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	39	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2011	1	1	0.3527	10.586	7.2800	5.3799	30.0117	24.09	0.281246
1	1	39	2011	1	2	0.2110	8.480	8.0600	5.7548	40.1957	18.52	0.101405
1	1	39	2011	1	3	0.2442	9.817	8.0600	5.7548	40.1957	18.52	0.337320
1	1	39	2011	1	4	0.5600	21.179	8.0600	5.7548	37.8166	14.25	0.103547
1	1	39	2011	1	5	0.6183	23.383	8.0600	5.7548	37.8166	14.25	0.047578
1	1	39	2011	1	6	0.2803	10.585	6.8800	4.9123	37.7707	10.10	0.027524
1	1	39	2011	1	7	0.2804	10.592	6.8800	4.9123	37.7707	9.36	0.000969
1	1	39	2011	1	8	0.2578	9.408	6.8800	4.9123	36.4932	9.33	0.000281
1	1	39	2011	1	9	0.2799	10.214	6.8800	4.9123	36.4931	8.00	0.000959
1	1	39	2011	1	10	0.2789	10.178	6.8800	4.9123	36.4932	8.12	0.001996
1	1	39	2011	1	11	0.3006	10.969	6.8800	4.9123	36.4932	7.44	0.000819
1	1	39	2011	1	12	0.3134	11.439	6.8800	4.9123	36.4932	7.05	0.000002
1	1	39	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2011	1	14	0.1150	3.451	7.2800	5.1979	30.0117	32.28	0.000028
1	1	39	2011	1	15	0.0831	4.015	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2011	1	16	0.1134	5.110	6.6500	4.7481	45.0549	12.93	0.008198
1	1	39	2011	1	17	0.1238	5.848	6.6500	4.7481	47.2522	11.65	0.002544
1	1	39	2011	1	18	0.1616	9.160	6.6500	4.7481	56.6821	10.18	0.002699
1	1	39	2011	1	19	0.1792	10.157	6.6500	4.7481	56.6821	9.86	0.001293
1	1	39	2011	1	20	0.2119	13.723	6.6500	4.7481	64.7605	8.70	0.006032
1	1	39	2011	1	21	0.2594	16.800	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2011	1	22	0.2713	35.328	6.6500	4.7481	130.2221	6.58	0.010278
1	1	39	2011	1	23	0.3194	63.190	6.6500	4.7481	197.8148	6.28	0.036527
1	1	39	2011	1	24	1.7863	15.330	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2011	1	25	0.4802	13.076	6.8800	4.9123	27.2301	6.43	0.000303
1	1	39	2011	1	26	0.2478	24.223	6.6500	4.7481	97.7390	4.34	0.003655
1	1	39	2011	1	27	0.3835	10.443	6.6500	4.7481	27.2301	6.19	0.007008
1	1	39	2011	1	28	0.2904	12.772	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2011	2	1	12.0112	360.478	7.2800	5.3799	30.0117	24.09	0.281246
1	1	39	2011	2	2	9.7968	393.788	8.0600	5.7548	40.1957	18.52	0.101405
1	1	39	2011	2	3	10.3849	417.426	8.0600	5.7548	40.1957	18.52	0.337320
1	1	39	2011	2	4	15.0557	569.357	8.0600	5.7548	37.8166	14.25	0.103547
1	1	39	2011	2	5	15.3392	580.076	8.0600	5.7548	37.8166	14.25	0.047578
1	1	39	2011	2	6	4.9387	186.540	6.8800	4.9123	37.7707	10.10	0.027524
1	1	39	2011	2	7	5.4811	207.025	6.8800	4.9123	37.7707	9.36	0.000969
1	1	39	2011	2	8	5.2988	193.368	6.8800	4.9123	36.4932	9.33	0.000281
1	1	39	2011	2	9	6.1752	225.351	6.8800	4.9123	36.4931	8.00	0.000959
1	1	39	2011	2	10	6.1183	223.277	6.8800	4.9123	36.4932	8.12	0.001996
1	1	39	2011	2	11	7.2523	264.658	6.8800	4.9123	36.4932	7.44	0.000819
1	1	39	2011	2	12	7.7296	282.077	6.8800	4.9123	36.4932	7.05	0.000002

1	1	39	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2011	2	14	0.6576	19.735	7.2800	5.1979	30.0117	32.28	0.000028
1	1	39	2011	2	15	0.2807	13.553	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2011	2	16	0.3763	16.952	6.6500	4.7481	45.0549	12.93	0.008198
1	1	39	2011	2	17	0.3995	18.879	6.6500	4.7481	47.2522	11.65	0.002544
1	1	39	2011	2	18	0.5648	32.013	6.6500	4.7481	56.6821	10.18	0.002699
1	1	39	2011	2	19	0.6092	34.531	6.6500	4.7481	56.6821	9.86	0.001293
1	1	39	2011	2	20	0.5846	37.856	6.6500	4.7481	64.7605	8.70	0.006032
1	1	39	2011	2	21	0.7196	46.605	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2011	2	22	0.9400	122.411	6.6500	4.7481	130.2221	6.58	0.010278
1	1	39	2011	2	23	1.1849	234.396	6.6500	4.7481	197.8148	6.28	0.036527
1	1	39	2011	2	24	9.2307	79.220	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2011	2	25	8.8047	239.753	6.8800	4.9123	27.2301	6.43	0.000303
1	1	39	2011	2	26	1.8417	180.006	6.6500	4.7481	97.7390	4.34	0.003655
1	1	39	2011	2	27	1.1141	30.336	6.6500	4.7481	27.2301	6.19	0.007008
1	1	39	2011	2	28	0.4881	21.464	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2011	3	1	0.4745	14.240	7.2800	5.3799	30.0117	24.09	0.281246
1	1	39	2011	3	2	0.3321	13.350	8.0600	5.7548	40.1957	18.52	0.101405
1	1	39	2011	3	3	0.5161	20.745	8.0600	5.7548	40.1957	18.52	0.337320
1	1	39	2011	3	4	1.0012	37.862	8.0600	5.7548	37.8166	14.25	0.103547
1	1	39	2011	3	5	1.3935	52.698	8.0600	5.7548	37.8166	14.25	0.047578
1	1	39	2011	3	6	1.9973	75.438	6.8800	4.9123	37.7707	10.10	0.027524
1	1	39	2011	3	7	2.1116	79.756	6.8800	4.9123	37.7707	9.36	0.000969
1	1	39	2011	3	8	1.8641	68.028	6.8800	4.9123	36.4932	9.33	0.000281
1	1	39	2011	3	9	2.1631	78.938	6.8800	4.9123	36.4931	8.00	0.000959
1	1	39	2011	3	10	2.1492	78.432	6.8800	4.9123	36.4932	8.12	0.001996
1	1	39	2011	3	11	2.3702	86.497	6.8800	4.9123	36.4932	7.44	0.000819
1	1	39	2011	3	12	2.5306	92.348	6.8800	4.9123	36.4932	7.05	0.000002
1	1	39	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2011	3	14	0.2296	6.891	7.2800	5.1979	30.0117	32.28	0.000028
1	1	39	2011	3	15	0.1471	7.104	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2011	3	16	1.8430	83.036	6.6500	4.7481	45.0549	12.93	0.008198
1	1	39	2011	3	17	1.9409	91.712	6.6500	4.7481	47.2522	11.65	0.002544
1	1	39	2011	3	18	2.6817	152.007	6.6500	4.7481	56.6821	10.18	0.002699
1	1	39	2011	3	19	2.8994	164.343	6.6500	4.7481	56.6821	9.86	0.001293
1	1	39	2011	3	20	3.3337	215.894	6.6500	4.7481	64.7605	8.70	0.006032
1	1	39	2011	3	21	4.1188	266.733	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2011	3	22	4.7216	614.859	6.6500	4.7481	130.2221	6.58	0.010278
1	1	39	2011	3	23	5.6924	1126.047	6.6500	4.7481	197.8148	6.28	0.036527
1	1	39	2011	3	24	2.0191	17.328	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2011	3	25	4.1721	113.606	6.8800	4.9123	27.2301	6.43	0.000303
1	1	39	2011	3	26	9.7574	953.675	6.6500	4.7481	97.7390	4.34	0.003655
1	1	39	2011	3	27	6.7453	183.677	6.6500	4.7481	27.2301	6.19	0.007008
1	1	39	2011	3	28	0.5100	22.429	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	40	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	40	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320

1	1	40	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	40	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	40	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	40	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	40	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	40	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	40	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	40	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	40	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	40	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	40	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	40	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	40	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	40	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	40	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	40	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	40	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	40	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	40	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	40	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	40	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	40	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	40	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	40	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	40	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2011	1	1	0.3518	10.557	7.2800	5.3799	30.0117	24.09	0.281246
1	1	40	2011	1	2	0.2108	8.473	8.0600	5.7548	40.1957	18.52	0.101405
1	1	40	2011	1	3	0.2441	9.813	8.0600	5.7548	40.1957	18.52	0.337320
1	1	40	2011	1	4	0.5581	21.107	8.0600	5.7548	37.8166	14.25	0.103547
1	1	40	2011	1	5	0.6163	23.306	8.0600	5.7548	37.8166	14.25	0.047578
1	1	40	2011	1	6	0.2750	10.387	6.8800	4.9123	37.7707	10.10	0.027524
1	1	40	2011	1	7	0.2752	10.394	6.8800	4.9123	37.7707	9.36	0.000969
1	1	40	2011	1	8	0.2532	9.240	6.8800	4.9123	36.4932	9.33	0.000281
1	1	40	2011	1	9	0.2747	10.024	6.8800	4.9123	36.4931	8.00	0.000959
1	1	40	2011	1	10	0.2737	9.989	6.8800	4.9123	36.4932	8.12	0.001996
1	1	40	2011	1	11	0.2948	10.760	6.8800	4.9123	36.4932	7.44	0.000819
1	1	40	2011	1	12	0.3074	11.217	6.8800	4.9123	36.4932	7.05	0.000002
1	1	40	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	40	2011	1	14	0.1138	3.416	7.2800	5.1979	30.0117	32.28	0.000028
1	1	40	2011	1	15	0.0822	3.969	8.0600	5.7548	48.2848	22.10	0.004518
1	1	40	2011	1	16	0.1114	5.021	6.6500	4.7481	45.0549	12.93	0.008198
1	1	40	2011	1	17	0.1216	5.746	6.6500	4.7481	47.2522	11.65	0.002544
1	1	40	2011	1	18	0.1588	9.001	6.6500	4.7481	56.6821	10.18	0.002699
1	1	40	2011	1	19	0.1761	9.980	6.6500	4.7481	56.6821	9.86	0.001293
1	1	40	2011	1	20	0.2082	13.484	6.6500	4.7481	64.7605	8.70	0.006032
1	1	40	2011	1	21	0.2549	16.507	6.6500	4.7481	64.7605	7.53	0.008655
1	1	40	2011	1	22	0.2666	34.712	6.6500	4.7481	130.2221	6.58	0.010278

1	1	40	2011	1	23	0.3139	62.089	6.6500	4.7481	197.8148	6.28	0.036527
1	1	40	2011	1	24	1.7751	15.234	1.3500	0.9639	8.5822	50.00	0.002374
1	1	40	2011	1	25	0.4705	12.811	6.8800	4.9123	27.2301	6.43	0.000303
1	1	40	2011	1	26	0.2435	23.801	6.6500	4.7481	97.7390	4.34	0.003655
1	1	40	2011	1	27	0.3768	10.262	6.6500	4.7481	27.2301	6.19	0.007008
1	1	40	2011	1	28	0.2872	12.631	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2011	2	1	12.0748	362.386	7.2800	5.3799	30.0117	24.09	0.281246
1	1	40	2011	2	2	9.8544	396.106	8.0600	5.7548	40.1957	18.52	0.101405
1	1	40	2011	2	3	10.4471	419.927	8.0600	5.7548	40.1957	18.52	0.337320
1	1	40	2011	2	4	15.1490	572.884	8.0600	5.7548	37.8166	14.25	0.103547
1	1	40	2011	2	5	15.4336	583.648	8.0600	5.7548	37.8166	14.25	0.047578
1	1	40	2011	2	6	4.9166	185.705	6.8800	4.9123	37.7707	10.10	0.027524
1	1	40	2011	2	7	5.4566	206.098	6.8800	4.9123	37.7707	9.36	0.000969
1	1	40	2011	2	8	5.2750	192.502	6.8800	4.9123	36.4932	9.33	0.000281
1	1	40	2011	2	9	6.1475	224.342	6.8800	4.9123	36.4931	8.00	0.000959
1	1	40	2011	2	10	6.0909	222.277	6.8800	4.9123	36.4932	8.12	0.001996
1	1	40	2011	2	11	7.2198	263.473	6.8800	4.9123	36.4932	7.44	0.000819
1	1	40	2011	2	12	7.6950	280.814	6.8800	4.9123	36.4932	7.05	0.000002
1	1	40	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	40	2011	2	14	0.6540	19.627	7.2800	5.1979	30.0117	32.28	0.000028
1	1	40	2011	2	15	0.2790	13.470	8.0600	5.7548	48.2848	22.10	0.004518
1	1	40	2011	2	16	0.3723	16.773	6.6500	4.7481	45.0549	12.93	0.008198
1	1	40	2011	2	17	0.3953	18.679	6.6500	4.7481	47.2522	11.65	0.002544
1	1	40	2011	2	18	0.5588	31.674	6.6500	4.7481	56.6821	10.18	0.002699
1	1	40	2011	2	19	0.6028	34.166	6.6500	4.7481	56.6821	9.86	0.001293
1	1	40	2011	2	20	0.5784	37.456	6.6500	4.7481	64.7605	8.70	0.006032
1	1	40	2011	2	21	0.7120	46.112	6.6500	4.7481	64.7605	7.53	0.008655
1	1	40	2011	2	22	0.9301	121.117	6.6500	4.7481	130.2221	6.58	0.010278
1	1	40	2011	2	23	1.1724	231.918	6.6500	4.7481	197.8148	6.28	0.036527
1	1	40	2011	2	24	9.1254	78.316	1.3500	0.9639	8.5822	50.00	0.002374
1	1	40	2011	2	25	8.7653	238.679	6.8800	4.9123	27.2301	6.43	0.000303
1	1	40	2011	2	26	1.8222	178.103	6.6500	4.7481	97.7390	4.34	0.003655
1	1	40	2011	2	27	1.1023	30.015	6.6500	4.7481	27.2301	6.19	0.007008
1	1	40	2011	2	28	0.4853	21.340	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2011	3	1	0.4769	14.313	7.2800	5.3799	30.0117	24.09	0.281246
1	1	40	2011	3	2	0.3341	13.430	8.0600	5.7548	40.1957	18.52	0.101405
1	1	40	2011	3	3	0.5184	20.839	8.0600	5.7548	40.1957	18.52	0.337320
1	1	40	2011	3	4	1.0045	37.989	8.0600	5.7548	37.8166	14.25	0.103547
1	1	40	2011	3	5	1.3967	52.818	8.0600	5.7548	37.8166	14.25	0.047578
1	1	40	2011	3	6	2.0119	75.992	6.8800	4.9123	37.7707	10.10	0.027524
1	1	40	2011	3	7	2.1271	80.341	6.8800	4.9123	37.7707	9.36	0.000969
1	1	40	2011	3	8	1.8778	68.528	6.8800	4.9123	36.4932	9.33	0.000281
1	1	40	2011	3	9	2.1790	79.517	6.8800	4.9123	36.4931	8.00	0.000959
1	1	40	2011	3	10	2.1650	79.008	6.8800	4.9123	36.4932	8.12	0.001996
1	1	40	2011	3	11	2.3876	87.132	6.8800	4.9123	36.4932	7.44	0.000819
1	1	40	2011	3	12	2.5491	93.026	6.8800	4.9123	36.4932	7.05	0.000002
1	1	40	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	40	2011	3	14	0.2323	6.972	7.2800	5.1979	30.0117	32.28	0.000028
1	1	40	2011	3	15	0.1489	7.188	8.0600	5.7548	48.2848	22.10	0.004518
1	1	40	2011	3	16	1.8658	84.063	6.6500	4.7481	45.0549	12.93	0.008198
1	1	40	2011	3	17	1.9649	92.845	6.6500	4.7481	47.2522	11.65	0.002544
1	1	40	2011	3	18	2.7149	153.886	6.6500	4.7481	56.6821	10.18	0.002699
1	1	40	2011	3	19	2.9352	166.374	6.6500	4.7481	56.6821	9.86	0.001293
1	1	40	2011	3	20	3.3757	218.611	6.6500	4.7481	64.7605	8.70	0.006032
1	1	40	2011	3	21	4.1706	270.090	6.6500	4.7481	64.7605	7.53	0.008655
1	1	40	2011	3	22	4.7787	622.290	6.6500	4.7481	130.2221	6.58	0.010278
1	1	40	2011	3	23	5.7599	1139.385	6.6500	4.7481	197.8148	6.28	0.036527
1	1	40	2011	3	24	2.0265	17.392	1.3500	0.9639	8.5822	50.00	0.002374
1	1	40	2011	3	25	4.2027	114.440	6.8800	4.9123	27.2301	6.43	0.000303
1	1	40	2011	3	26	9.8814	965.802	6.6500	4.7481	97.7390	4.34	0.003655
1	1	40	2011	3	27	6.8311	186.011	6.6500	4.7481	27.2301	6.19	0.007008
1	1	40	2011	3	28	0.5161	22.696	8.0600	5.7548	43.9743	17.00	0.002242
1	1	41	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	41	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	41	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	41	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	41	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	41	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	41	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	41	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	41	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	41	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	41	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	41	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	41	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	41	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	41	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	41	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	41	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	41	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	41	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	41	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	41	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	41	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	41	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	41	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	41	2011	1	1	0.3508	10.529	7.2800	5.3799	30.0117	24.09	0.281246
1	1	41	2011	1	2	0.2106	8.465	8.0600	5.7548	40.1957	18.52	0.101405
1	1	41	2011	1	3	0.2440	9.809	8.0600	5.7548	40.1957	18.52	0.337320
1	1	41	2011	1	4	0.5563	21.038	8.0600	5.7548	37.8166	14.25	0.103547

1	1	41	2011	1	5	0.6144	23.234	8.0600	5.7548	37.8166	14.25	0.047578
1	1	41	2011	1	6	0.2700	10.199	6.8800	4.9123	37.7707	10.10	0.027524
1	1	41	2011	1	7	0.2702	10.205	6.8800	4.9123	37.7707	9.36	0.000969
1	1	41	2011	1	8	0.2488	9.078	6.8800	4.9123	36.4932	9.33	0.000281
1	1	41	2011	1	9	0.2697	9.843	6.8800	4.9123	36.4931	8.00	0.000959
1	1	41	2011	1	10	0.2688	9.809	6.8800	4.9123	36.4932	8.12	0.001996
1	1	41	2011	1	11	0.2894	10.560	6.8800	4.9123	36.4932	7.44	0.000819
1	1	41	2011	1	12	0.3016	11.005	6.8800	4.9123	36.4932	7.05	0.000002
1	1	41	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2011	1	14	0.1127	3.382	7.2800	5.1979	30.0117	32.28	0.000028
1	1	41	2011	1	15	0.0813	3.926	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2011	1	16	0.1096	4.936	6.6500	4.7481	45.0549	12.93	0.008198
1	1	41	2011	1	17	0.1195	5.648	6.6500	4.7481	47.2522	11.65	0.002544
1	1	41	2011	1	18	0.1561	8.848	6.6500	4.7481	56.6821	10.18	0.002699
1	1	41	2011	1	19	0.1731	9.811	6.6500	4.7481	56.6821	9.86	0.001293
1	1	41	2011	1	20	0.2047	13.255	6.6500	4.7481	64.7605	8.70	0.006032
1	1	41	2011	1	21	0.2506	16.228	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2011	1	22	0.2621	34.125	6.6500	4.7481	130.2221	6.58	0.010278
1	1	41	2011	1	23	0.3086	61.038	6.6500	4.7481	197.8148	6.28	0.036527
1	1	41	2011	1	24	1.7644	15.143	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2011	1	25	0.4612	12.558	6.8800	4.9123	27.2301	6.43	0.000303
1	1	41	2011	1	26	0.2394	23.398	6.6500	4.7481	97.7390	4.34	0.003655
1	1	41	2011	1	27	0.3705	10.088	6.6500	4.7481	27.2301	6.19	0.007008
1	1	41	2011	1	28	0.2842	12.496	8.0600	5.7548	43.9743	17.00	0.002242
1	1	41	2011	2	1	12.1355	364.208	7.2800	5.3799	30.0117	24.09	0.281246
1	1	41	2011	2	2	9.9095	398.318	8.0600	5.7548	40.1957	18.52	0.101405
1	1	41	2011	2	3	10.5065	422.314	8.0600	5.7548	40.1957	18.52	0.337320
1	1	41	2011	2	4	15.2380	576.250	8.0600	5.7548	37.8166	14.25	0.103547
1	1	41	2011	2	5	15.5238	587.057	8.0600	5.7548	37.8166	14.25	0.047578
1	1	41	2011	2	6	4.8955	184.907	6.8800	4.9123	37.7707	10.10	0.027524
1	1	41	2011	2	7	5.4331	205.213	6.8800	4.9123	37.7707	9.36	0.000969
1	1	41	2011	2	8	5.2524	191.676	6.8800	4.9123	36.4932	9.33	0.000281
1	1	41	2011	2	9	6.1211	223.379	6.8800	4.9123	36.4931	8.00	0.000959
1	1	41	2011	2	10	6.0648	221.323	6.8800	4.9123	36.4932	8.12	0.001996
1	1	41	2011	2	11	7.1888	262.342	6.8800	4.9123	36.4932	7.44	0.000819
1	1	41	2011	2	12	7.6619	279.608	6.8800	4.9123	36.4932	7.05	0.000002
1	1	41	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2011	2	14	0.6505	19.523	7.2800	5.1979	30.0117	32.28	0.000028
1	1	41	2011	2	15	0.2773	13.391	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2011	2	16	0.3685	16.602	6.6500	4.7481	45.0549	12.93	0.008198
1	1	41	2011	2	17	0.3913	18.489	6.6500	4.7481	47.2522	11.65	0.002544
1	1	41	2011	2	18	0.5531	31.351	6.6500	4.7481	56.6821	10.18	0.002699
1	1	41	2011	2	19	0.5966	33.818	6.6500	4.7481	56.6821	9.86	0.001293
1	1	41	2011	2	20	0.5725	37.074	6.6500	4.7481	64.7605	8.70	0.006032
1	1	41	2011	2	21	0.7048	45.642	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2011	2	22	0.9206	119.881	6.6500	4.7481	130.2221	6.58	0.010278
1	1	41	2011	2	23	1.1604	229.553	6.6500	4.7481	197.8148	6.28	0.036527

1	1	41	2011	2	24	9.0249	77.453	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2011	2	25	8.7276	237.655	6.8800	4.9123	27.2301	6.43	0.000303
1	1	41	2011	2	26	1.8036	176.287	6.6500	4.7481	97.7390	4.34	0.003655
1	1	41	2011	2	27	1.0910	29.709	6.6500	4.7481	27.2301	6.19	0.007008
1	1	41	2011	2	28	0.4826	21.223	8.0600	5.7548	43.9743	17.00	0.002242
1	1	41	2011	3	1	0.4792	14.382	7.2800	5.3799	30.0117	24.09	0.281246
1	1	41	2011	3	2	0.3360	13.507	8.0600	5.7548	40.1957	18.52	0.101405
1	1	41	2011	3	3	0.5207	20.929	8.0600	5.7548	40.1957	18.52	0.337320
1	1	41	2011	3	4	1.0077	38.109	8.0600	5.7548	37.8166	14.25	0.103547
1	1	41	2011	3	5	1.3997	52.933	8.0600	5.7548	37.8166	14.25	0.047578
1	1	41	2011	3	6	2.0259	76.520	6.8800	4.9123	37.7707	10.10	0.027524
1	1	41	2011	3	7	2.1419	80.900	6.8800	4.9123	37.7707	9.36	0.000969
1	1	41	2011	3	8	1.8909	69.004	6.8800	4.9123	36.4932	9.33	0.000281
1	1	41	2011	3	9	2.1941	80.070	6.8800	4.9123	36.4931	8.00	0.000959
1	1	41	2011	3	10	2.1801	79.557	6.8800	4.9123	36.4932	8.12	0.001996
1	1	41	2011	3	11	2.4042	87.738	6.8800	4.9123	36.4932	7.44	0.000819
1	1	41	2011	3	12	2.5669	93.673	6.8800	4.9123	36.4932	7.05	0.000002
1	1	41	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2011	3	14	0.2349	7.049	7.2800	5.1979	30.0117	32.28	0.000028
1	1	41	2011	3	15	0.1505	7.269	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2011	3	16	1.8875	85.042	6.6500	4.7481	45.0549	12.93	0.008198
1	1	41	2011	3	17	1.9878	93.927	6.6500	4.7481	47.2522	11.65	0.002544
1	1	41	2011	3	18	2.7465	155.679	6.6500	4.7481	56.6821	10.18	0.002699
1	1	41	2011	3	19	2.9694	168.313	6.6500	4.7481	56.6821	9.86	0.001293
1	1	41	2011	3	20	3.4157	221.204	6.6500	4.7481	64.7605	8.70	0.006032
1	1	41	2011	3	21	4.2201	273.294	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2011	3	22	4.8331	629.383	6.6500	4.7481	130.2221	6.58	0.010278
1	1	41	2011	3	23	5.8242	1152.116	6.6500	4.7481	197.8148	6.28	0.036527
1	1	41	2011	3	24	2.0335	17.452	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2011	3	25	4.2319	115.236	6.8800	4.9123	27.2301	6.43	0.000303
1	1	41	2011	3	26	9.9999	977.379	6.6500	4.7481	97.7390	4.34	0.003655
1	1	41	2011	3	27	6.9129	188.239	6.6500	4.7481	27.2301	6.19	0.007008
1	1	41	2011	3	28	0.5219	22.950	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	42	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	42	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	42	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	42	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	42	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	42	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	42	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	42	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	42	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	42	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	42	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	42	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028

1	1	42	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	42	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	42	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	42	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	42	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	42	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	42	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	42	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	42	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	42	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	42	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	42	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	42	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	42	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	42	2011	1	1	0.3499	10.502	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	42	2011	1	2	0.2104	8.459	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	42	2011	1	3	0.2439	9.804	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	42	2011	1	4	0.5546	20.973	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	42	2011	1	5	0.6125	23.165	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	42	2011	1	6	0.2652	10.018	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	42	2011	1	7	0.2654	10.024	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	42	2011	1	8	0.2446	8.925	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	42	2011	1	9	0.2650	9.670	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	42	2011	1	10	0.2641	9.637	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	42	2011	1	11	0.2841	10.369	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	42	2011	1	12	0.2960	10.803	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	42	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	42	2011	1	14	0.1116	3.349	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	42	2011	1	15	0.0805	3.885	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	42	2011	1	16	0.1078	4.855	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	42	2011	1	17	0.1176	5.556	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	42	2011	1	18	0.1535	8.703	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	42	2011	1	19	0.1702	9.649	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	42	2011	1	20	0.2013	13.037	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	42	2011	1	21	0.2465	15.961	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	42	2011	1	22	0.2577	33.564	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	42	2011	1	23	0.3035	60.034	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	42	2011	1	24	1.7543	15.055	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	42	2011	1	25	0.4523	12.316	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	42	2011	1	26	0.2355	23.013	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	42	2011	1	27	0.3644	9.922	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	42	2011	1	28	0.2812	12.367	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	42	2011	2	1	12.1935	365.949	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	42	2011	2	2	9.9621	400.432	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	42	2011	2	3	10.5632	424.595	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	42	2011	2	4	15.3230	579.466	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	42	2011	2	5	15.6099	590.314	8.0600	5.7548	37.8166	14.25
0.047578											

1	1	42	2011	2	6	4.8754	184.145	6.8800	4.9123	37.7707	10.10	0.027524
1	1	42	2011	2	7	5.4108	204.368	6.8800	4.9123	37.7707	9.36	0.000969
1	1	42	2011	2	8	5.2307	190.886	6.8800	4.9123	36.4932	9.33	0.000281
1	1	42	2011	2	9	6.0959	222.458	6.8800	4.9123	36.4931	8.00	0.000959
1	1	42	2011	2	10	6.0398	220.411	6.8800	4.9123	36.4932	8.12	0.001996
1	1	42	2011	2	11	7.1592	261.261	6.8800	4.9123	36.4932	7.44	0.000819
1	1	42	2011	2	12	7.6304	278.456	6.8800	4.9123	36.4932	7.05	0.000002
1	1	42	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2011	2	14	0.6472	19.424	7.2800	5.1979	30.0117	32.28	0.000028
1	1	42	2011	2	15	0.2758	13.315	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2011	2	16	0.3649	16.439	6.6500	4.7481	45.0549	12.93	0.008198
1	1	42	2011	2	17	0.3874	18.307	6.6500	4.7481	47.2522	11.65	0.002544
1	1	42	2011	2	18	0.5477	31.042	6.6500	4.7481	56.6821	10.18	0.002699
1	1	42	2011	2	19	0.5907	33.485	6.6500	4.7481	56.6821	9.86	0.001293
1	1	42	2011	2	20	0.5668	36.709	6.6500	4.7481	64.7605	8.70	0.006032
1	1	42	2011	2	21	0.6978	45.192	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2011	2	22	0.9115	118.701	6.6500	4.7481	130.2221	6.58	0.010278
1	1	42	2011	2	23	1.1490	227.293	6.6500	4.7481	197.8148	6.28	0.036527
1	1	42	2011	2	24	8.9288	76.629	1.3500	0.9639	8.5822	50.00	0.002374
1	1	42	2011	2	25	8.6917	236.676	6.8800	4.9123	27.2301	6.43	0.000303
1	1	42	2011	2	26	1.7859	174.551	6.6500	4.7481	97.7390	4.34	0.003655
1	1	42	2011	2	27	1.0803	29.417	6.6500	4.7481	27.2301	6.19	0.007008
1	1	42	2011	2	28	0.4801	21.110	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2011	3	1	0.4814	14.449	7.2800	5.3799	30.0117	24.09	0.281246
1	1	42	2011	3	2	0.3379	13.580	8.0600	5.7548	40.1957	18.52	0.101405
1	1	42	2011	3	3	0.5228	21.015	8.0600	5.7548	40.1957	18.52	0.337320
1	1	42	2011	3	4	1.0108	38.225	8.0600	5.7548	37.8166	14.25	0.103547
1	1	42	2011	3	5	1.4026	53.043	8.0600	5.7548	37.8166	14.25	0.047578
1	1	42	2011	3	6	2.0393	77.025	6.8800	4.9123	37.7707	10.10	0.027524
1	1	42	2011	3	7	2.1560	81.434	6.8800	4.9123	37.7707	9.36	0.000969
1	1	42	2011	3	8	1.9034	69.460	6.8800	4.9123	36.4932	9.33	0.000281
1	1	42	2011	3	9	2.2086	80.599	6.8800	4.9123	36.4931	8.00	0.000959
1	1	42	2011	3	10	2.1944	80.082	6.8800	4.9123	36.4932	8.12	0.001996
1	1	42	2011	3	11	2.4201	88.317	6.8800	4.9123	36.4932	7.44	0.000819
1	1	42	2011	3	12	2.5838	94.291	6.8800	4.9123	36.4932	7.05	0.000002
1	1	42	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2011	3	14	0.2373	7.123	7.2800	5.1979	30.0117	32.28	0.000028
1	1	42	2011	3	15	0.1521	7.346	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2011	3	16	1.9083	85.978	6.6500	4.7481	45.0549	12.93	0.008198
1	1	42	2011	3	17	2.0097	94.961	6.6500	4.7481	47.2522	11.65	0.002544
1	1	42	2011	3	18	2.7768	157.393	6.6500	4.7481	56.6821	10.18	0.002699
1	1	42	2011	3	19	3.0021	170.166	6.6500	4.7481	56.6821	9.86	0.001293
1	1	42	2011	3	20	3.4540	223.682	6.6500	4.7481	64.7605	8.70	0.006032
1	1	42	2011	3	21	4.2673	276.355	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2011	3	22	4.8852	636.160	6.6500	4.7481	130.2221	6.58	0.010278
1	1	42	2011	3	23	5.8857	1164.281	6.6500	4.7481	197.8148	6.28	0.036527
1	1	42	2011	3	24	2.0402	17.510	1.3500	0.9639	8.5822	50.00	0.002374

1	1	42	2011	3	25	4.2599	115.996	6.8800	4.9123	27.2301	6.43	0.000303
1	1	42	2011	3	26	10.1131	988.441	6.6500	4.7481	97.7390	4.34	0.003655
1	1	42	2011	3	27	6.9911	190.368	6.6500	4.7481	27.2301	6.19	0.007008
1	1	42	2011	3	28	0.5274	23.193	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	43	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	43	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	43	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	43	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	43	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	43	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	43	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	43	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	43	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	43	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	43	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	43	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	43	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	43	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	43	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	43	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	43	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	43	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	43	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	43	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	43	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	43	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	43	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2011	1	1	0.3487	10.466	7.2800	5.3799	30.0117	24.09	0.281246
1	1	43	2011	1	2	0.2102	8.448	8.0600	5.7548	40.1957	18.52	0.101405
1	1	43	2011	1	3	0.2437	9.797	8.0600	5.7548	40.1957	18.52	0.337320
1	1	43	2011	1	4	0.5524	20.889	8.0600	5.7548	37.8166	14.25	0.103547
1	1	43	2011	1	5	0.6102	23.077	8.0600	5.7548	37.8166	14.25	0.047578
1	1	43	2011	1	6	0.2611	9.861	6.8800	4.9123	37.7707	10.10	0.027524
1	1	43	2011	1	7	0.2612	9.867	6.8800	4.9123	37.7707	9.36	0.000969
1	1	43	2011	1	8	0.2409	8.792	6.8800	4.9123	36.4932	9.33	0.000281
1	1	43	2011	1	9	0.2610	9.523	6.8800	4.9123	36.4931	8.00	0.000959
1	1	43	2011	1	10	0.2601	9.490	6.8800	4.9123	36.4932	8.12	0.001996
1	1	43	2011	1	11	0.2797	10.208	6.8800	4.9123	36.4932	7.44	0.000819
1	1	43	2011	1	12	0.2914	10.634	6.8800	4.9123	36.4932	7.05	0.000002
1	1	43	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2011	1	14	0.1107	3.323	7.2800	5.1979	30.0117	32.28	0.000028
1	1	43	2011	1	15	0.0798	3.851	8.0600	5.7548	48.2848	22.10	0.004518

1	1	43	2011	1	16	0.1063	4.787	6.6500	4.7481	45.0549	12.93	0.008198
1	1	43	2011	1	17	0.1159	5.478	6.6500	4.7481	47.2522	11.65	0.002544
1	1	43	2011	1	18	0.1514	8.582	6.6500	4.7481	56.6821	10.18	0.002699
1	1	43	2011	1	19	0.1679	9.515	6.6500	4.7481	56.6821	9.86	0.001293
1	1	43	2011	1	20	0.1985	12.856	6.6500	4.7481	64.7605	8.70	0.006032
1	1	43	2011	1	21	0.2430	15.739	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2011	1	22	0.2542	33.097	6.6500	4.7481	130.2221	6.58	0.010278
1	1	43	2011	1	23	0.2993	59.200	6.6500	4.7481	197.8148	6.28	0.036527
1	1	43	2011	1	24	1.7503	15.021	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2011	1	25	0.4446	12.106	6.8800	4.9123	27.2301	6.43	0.000303
1	1	43	2011	1	26	0.2322	22.694	6.6500	4.7481	97.7390	4.34	0.003655
1	1	43	2011	1	27	0.3593	9.784	6.6500	4.7481	27.2301	6.19	0.007008
1	1	43	2011	1	28	0.2788	12.260	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2011	2	1	12.2629	368.030	7.2800	5.3799	30.0117	24.09	0.281246
1	1	43	2011	2	2	10.0249	402.959	8.0600	5.7548	40.1957	18.52	0.101405
1	1	43	2011	2	3	10.6311	427.322	8.0600	5.7548	40.1957	18.52	0.337320
1	1	43	2011	2	4	15.4247	583.312	8.0600	5.7548	37.8166	14.25	0.103547
1	1	43	2011	2	5	15.7129	594.209	8.0600	5.7548	37.8166	14.25	0.047578
1	1	43	2011	2	6	4.9104	185.468	6.8800	4.9123	37.7707	10.10	0.027524
1	1	43	2011	2	7	5.4496	205.836	6.8800	4.9123	37.7707	9.36	0.000969
1	1	43	2011	2	8	5.2683	192.257	6.8800	4.9123	36.4932	9.33	0.000281
1	1	43	2011	2	9	6.1397	224.056	6.8800	4.9123	36.4931	8.00	0.000959
1	1	43	2011	2	10	6.0832	221.994	6.8800	4.9123	36.4932	8.12	0.001996
1	1	43	2011	2	11	7.2106	263.137	6.8800	4.9123	36.4932	7.44	0.000819
1	1	43	2011	2	12	7.6852	280.456	6.8800	4.9123	36.4932	7.05	0.000002
1	1	43	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2011	2	14	0.6467	19.407	7.2800	5.1979	30.0117	32.28	0.000028
1	1	43	2011	2	15	0.2755	13.302	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2011	2	16	0.3642	16.411	6.6500	4.7481	45.0549	12.93	0.008198
1	1	43	2011	2	17	0.3868	18.276	6.6500	4.7481	47.2522	11.65	0.002544
1	1	43	2011	2	18	0.5467	30.990	6.6500	4.7481	56.6821	10.18	0.002699
1	1	43	2011	2	19	0.5898	33.429	6.6500	4.7481	56.6821	9.86	0.001293
1	1	43	2011	2	20	0.5659	36.647	6.6500	4.7481	64.7605	8.70	0.006032
1	1	43	2011	2	21	0.6967	45.116	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2011	2	22	0.9100	118.502	6.6500	4.7481	130.2221	6.58	0.010278
1	1	43	2011	2	23	1.1471	226.911	6.6500	4.7481	197.8148	6.28	0.036527
1	1	43	2011	2	24	8.8819	76.226	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2011	2	25	8.7541	238.375	6.8800	4.9123	27.2301	6.43	0.000303
1	1	43	2011	2	26	1.7829	174.258	6.6500	4.7481	97.7390	4.34	0.003655
1	1	43	2011	2	27	1.0785	29.367	6.6500	4.7481	27.2301	6.19	0.007008
1	1	43	2011	2	28	0.4796	21.091	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2011	3	1	0.4841	14.528	7.2800	5.3799	30.0117	24.09	0.281246
1	1	43	2011	3	2	0.3400	13.668	8.0600	5.7548	40.1957	18.52	0.101405
1	1	43	2011	3	3	0.5254	21.119	8.0600	5.7548	40.1957	18.52	0.337320
1	1	43	2011	3	4	1.0144	38.363	8.0600	5.7548	37.8166	14.25	0.103547
1	1	43	2011	3	5	1.4061	53.174	8.0600	5.7548	37.8166	14.25	0.047578
1	1	43	2011	3	6	2.0553	77.629	6.8800	4.9123	37.7707	10.10	0.027524

1	1	43	2011	3	7	2.1729	82.072	6.8800	4.9123	37.7707	9.36	0.000969
1	1	43	2011	3	8	1.9183	70.005	6.8800	4.9123	36.4932	9.33	0.000281
1	1	43	2011	3	9	2.2259	81.231	6.8800	4.9123	36.4931	8.00	0.000959
1	1	43	2011	3	10	2.2117	80.710	6.8800	4.9123	36.4932	8.12	0.001996
1	1	43	2011	3	11	2.4391	89.009	6.8800	4.9123	36.4932	7.44	0.000819
1	1	43	2011	3	12	2.6041	95.031	6.8800	4.9123	36.4932	7.05	0.000002
1	1	43	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2011	3	14	0.2424	7.274	7.2800	5.1979	30.0117	32.28	0.000028
1	1	43	2011	3	15	0.1554	7.503	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2011	3	16	1.9507	87.887	6.6500	4.7481	45.0549	12.93	0.008198
1	1	43	2011	3	17	2.0543	97.070	6.6500	4.7481	47.2522	11.65	0.002544
1	1	43	2011	3	18	2.8384	160.887	6.6500	4.7481	56.6821	10.18	0.002699
1	1	43	2011	3	19	3.0688	173.944	6.6500	4.7481	56.6821	9.86	0.001293
1	1	43	2011	3	20	3.5320	228.735	6.6500	4.7481	64.7605	8.70	0.006032
1	1	43	2011	3	21	4.3637	282.598	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2011	3	22	4.9913	649.982	6.6500	4.7481	130.2221	6.58	0.010278
1	1	43	2011	3	23	6.0111	1189.090	6.6500	4.7481	197.8148	6.28	0.036527
1	1	43	2011	3	24	2.0655	17.726	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2011	3	25	4.2933	116.906	6.8800	4.9123	27.2301	6.43	0.000303
1	1	43	2011	3	26	10.3439	1011.000	6.6500	4.7481	97.7390	4.34	0.003655
1	1	43	2011	3	27	7.1505	194.710	6.6500	4.7481	27.2301	6.19	0.007008
1	1	43	2011	3	28	0.5387	23.689	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	44	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	44	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	44	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	44	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	44	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	44	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	44	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	44	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	44	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	44	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	44	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	44	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	44	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	44	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	44	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	44	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	44	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	44	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	44	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	44	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303

1	1	44	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	44	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	44	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2011	1	1	0.3476	10.432	7.2800	5.3799	30.0117	24.09	0.281246
1	1	44	2011	1	2	0.2099	8.439	8.0600	5.7548	40.1957	18.52	0.101405
1	1	44	2011	1	3	0.2436	9.790	8.0600	5.7548	40.1957	18.52	0.337320
1	1	44	2011	1	4	0.5503	20.810	8.0600	5.7548	37.8166	14.25	0.103547
1	1	44	2011	1	5	0.6080	22.993	8.0600	5.7548	37.8166	14.25	0.047578
1	1	44	2011	1	6	0.2571	9.710	6.8800	4.9123	37.7707	10.10	0.027524
1	1	44	2011	1	7	0.2572	9.716	6.8800	4.9123	37.7707	9.36	0.000969
1	1	44	2011	1	8	0.2374	8.664	6.8800	4.9123	36.4932	9.33	0.000281
1	1	44	2011	1	9	0.2571	9.382	6.8800	4.9123	36.4931	8.00	0.000959
1	1	44	2011	1	10	0.2562	9.350	6.8800	4.9123	36.4932	8.12	0.001996
1	1	44	2011	1	11	0.2755	10.055	6.8800	4.9123	36.4932	7.44	0.000819
1	1	44	2011	1	12	0.2870	10.473	6.8800	4.9123	36.4932	7.05	0.000002
1	1	44	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2011	1	14	0.1098	3.297	7.2800	5.1979	30.0117	32.28	0.000028
1	1	44	2011	1	15	0.0791	3.819	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2011	1	16	0.1048	4.723	6.6500	4.7481	45.0549	12.93	0.008198
1	1	44	2011	1	17	0.1144	5.405	6.6500	4.7481	47.2522	11.65	0.002544
1	1	44	2011	1	18	0.1494	8.466	6.6500	4.7481	56.6821	10.18	0.002699
1	1	44	2011	1	19	0.1656	9.387	6.6500	4.7481	56.6821	9.86	0.001293
1	1	44	2011	1	20	0.1958	12.683	6.6500	4.7481	64.7605	8.70	0.006032
1	1	44	2011	1	21	0.2398	15.527	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2011	1	22	0.2507	32.651	6.6500	4.7481	130.2221	6.58	0.010278
1	1	44	2011	1	23	0.2952	58.402	6.6500	4.7481	197.8148	6.28	0.036527
1	1	44	2011	1	24	1.7464	14.988	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2011	1	25	0.4372	11.906	6.8800	4.9123	27.2301	6.43	0.000303
1	1	44	2011	1	26	0.2291	22.388	6.6500	4.7481	97.7390	4.34	0.003655
1	1	44	2011	1	27	0.3545	9.652	6.6500	4.7481	27.2301	6.19	0.007008
1	1	44	2011	1	28	0.2765	12.158	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2011	2	1	12.3293	370.022	7.2800	5.3799	30.0117	24.09	0.281246
1	1	44	2011	2	2	10.0851	405.379	8.0600	5.7548	40.1957	18.52	0.101405
1	1	44	2011	2	3	10.6960	429.934	8.0600	5.7548	40.1957	18.52	0.337320
1	1	44	2011	2	4	15.5221	586.994	8.0600	5.7548	37.8166	14.25	0.103547
1	1	44	2011	2	5	15.8115	597.938	8.0600	5.7548	37.8166	14.25	0.047578
1	1	44	2011	2	6	4.9439	186.734	6.8800	4.9123	37.7707	10.10	0.027524
1	1	44	2011	2	7	5.4868	207.241	6.8800	4.9123	37.7707	9.36	0.000969
1	1	44	2011	2	8	5.3043	193.569	6.8800	4.9123	36.4932	9.33	0.000281
1	1	44	2011	2	9	6.1816	225.585	6.8800	4.9123	36.4931	8.00	0.000959
1	1	44	2011	2	10	6.1247	223.509	6.8800	4.9123	36.4932	8.12	0.001996
1	1	44	2011	2	11	7.2598	264.933	6.8800	4.9123	36.4932	7.44	0.000819
1	1	44	2011	2	12	7.7376	282.370	6.8800	4.9123	36.4932	7.05	0.000002
1	1	44	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2011	2	14	0.6461	19.391	7.2800	5.1979	30.0117	32.28	0.000028
1	1	44	2011	2	15	0.2752	13.290	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2011	2	16	0.3637	16.385	6.6500	4.7481	45.0549	12.93	0.008198

1	1	44	2011	2	17	0.3862	18.246	6.6500	4.7481	47.2522	11.65	0.002544
1	1	44	2011	2	18	0.5459	30.940	6.6500	4.7481	56.6821	10.18	0.002699
1	1	44	2011	2	19	0.5888	33.375	6.6500	4.7481	56.6821	9.86	0.001293
1	1	44	2011	2	20	0.5650	36.588	6.6500	4.7481	64.7605	8.70	0.006032
1	1	44	2011	2	21	0.6955	45.044	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2011	2	22	0.9085	118.311	6.6500	4.7481	130.2221	6.58	0.010278
1	1	44	2011	2	23	1.1452	226.546	6.6500	4.7481	197.8148	6.28	0.036527
1	1	44	2011	2	24	8.8369	75.840	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2011	2	25	8.8139	240.002	6.8800	4.9123	27.2301	6.43	0.000303
1	1	44	2011	2	26	1.7800	173.977	6.6500	4.7481	97.7390	4.34	0.003655
1	1	44	2011	2	27	1.0767	29.320	6.6500	4.7481	27.2301	6.19	0.007008
1	1	44	2011	2	28	0.4792	21.073	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2011	3	1	0.4866	14.605	7.2800	5.3799	30.0117	24.09	0.281246
1	1	44	2011	3	2	0.3421	13.752	8.0600	5.7548	40.1957	18.52	0.101405
1	1	44	2011	3	3	0.5278	21.217	8.0600	5.7548	40.1957	18.52	0.337320
1	1	44	2011	3	4	1.0179	38.495	8.0600	5.7548	37.8166	14.25	0.103547
1	1	44	2011	3	5	1.4094	53.300	8.0600	5.7548	37.8166	14.25	0.047578
1	1	44	2011	3	6	2.0706	78.207	6.8800	4.9123	37.7707	10.10	0.027524
1	1	44	2011	3	7	2.1891	82.684	6.8800	4.9123	37.7707	9.36	0.000969
1	1	44	2011	3	8	1.9326	70.526	6.8800	4.9123	36.4932	9.33	0.000281
1	1	44	2011	3	9	2.2425	81.836	6.8800	4.9123	36.4931	8.00	0.000959
1	1	44	2011	3	10	2.2281	81.311	6.8800	4.9123	36.4932	8.12	0.001996
1	1	44	2011	3	11	2.4572	89.672	6.8800	4.9123	36.4932	7.44	0.000819
1	1	44	2011	3	12	2.6235	95.739	6.8800	4.9123	36.4932	7.05	0.000002
1	1	44	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2011	3	14	0.2472	7.418	7.2800	5.1979	30.0117	32.28	0.000028
1	1	44	2011	3	15	0.1585	7.653	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2011	3	16	1.9912	89.715	6.6500	4.7481	45.0549	12.93	0.008198
1	1	44	2011	3	17	2.0970	99.089	6.6500	4.7481	47.2522	11.65	0.002544
1	1	44	2011	3	18	2.8974	164.233	6.6500	4.7481	56.6821	10.18	0.002699
1	1	44	2011	3	19	3.1326	177.561	6.6500	4.7481	56.6821	9.86	0.001293
1	1	44	2011	3	20	3.6067	233.573	6.6500	4.7481	64.7605	8.70	0.006032
1	1	44	2011	3	21	4.4561	288.576	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2011	3	22	5.0930	663.215	6.6500	4.7481	130.2221	6.58	0.010278
1	1	44	2011	3	23	6.1312	1212.844	6.6500	4.7481	197.8148	6.28	0.036527
1	1	44	2011	3	24	2.0896	17.933	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2011	3	25	4.3252	117.777	6.8800	4.9123	27.2301	6.43	0.000303
1	1	44	2011	3	26	10.5649	1032.598	6.6500	4.7481	97.7390	4.34	0.003655
1	1	44	2011	3	27	7.3032	198.867	6.6500	4.7481	27.2301	6.19	0.007008
1	1	44	2011	3	28	0.5495	24.164	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	45	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	45	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	45	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	45	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	45	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	45	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969

1	1	45	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	45	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	45	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	45	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	45	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	45	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	45	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	45	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	45	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	45	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	45	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	45	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	45	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	45	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	45	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	45	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	45	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2011	1	1	0.3465	10.400	7.2800	5.3799	30.0117	24.09	0.281246
1	1	45	2011	1	2	0.2097	8.429	8.0600	5.7548	40.1957	18.52	0.101405
1	1	45	2011	1	3	0.2434	9.783	8.0600	5.7548	40.1957	18.52	0.337320
1	1	45	2011	1	4	0.5483	20.733	8.0600	5.7548	37.8166	14.25	0.103547
1	1	45	2011	1	5	0.6059	22.912	8.0600	5.7548	37.8166	14.25	0.047578
1	1	45	2011	1	6	0.2533	9.566	6.8800	4.9123	37.7707	10.10	0.027524
1	1	45	2011	1	7	0.2534	9.571	6.8800	4.9123	37.7707	9.36	0.000969
1	1	45	2011	1	8	0.2341	8.542	6.8800	4.9123	36.4932	9.33	0.000281
1	1	45	2011	1	9	0.2534	9.247	6.8800	4.9123	36.4931	8.00	0.000959
1	1	45	2011	1	10	0.2525	9.216	6.8800	4.9123	36.4932	8.12	0.001996
1	1	45	2011	1	11	0.2715	9.908	6.8800	4.9123	36.4932	7.44	0.000819
1	1	45	2011	1	12	0.2828	10.319	6.8800	4.9123	36.4932	7.05	0.000002
1	1	45	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2011	1	14	0.1090	3.272	7.2800	5.1979	30.0117	32.28	0.000028
1	1	45	2011	1	15	0.0784	3.787	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2011	1	16	0.1035	4.661	6.6500	4.7481	45.0549	12.93	0.008198
1	1	45	2011	1	17	0.1129	5.334	6.6500	4.7481	47.2522	11.65	0.002544
1	1	45	2011	1	18	0.1474	8.355	6.6500	4.7481	56.6821	10.18	0.002699
1	1	45	2011	1	19	0.1634	9.264	6.6500	4.7481	56.6821	9.86	0.001293
1	1	45	2011	1	20	0.1933	12.517	6.6500	4.7481	64.7605	8.70	0.006032
1	1	45	2011	1	21	0.2366	15.324	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2011	1	22	0.2475	32.224	6.6500	4.7481	130.2221	6.58	0.010278
1	1	45	2011	1	23	0.2914	57.637	6.6500	4.7481	197.8148	6.28	0.036527
1	1	45	2011	1	24	1.7428	14.957	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2011	1	25	0.4302	11.714	6.8800	4.9123	27.2301	6.43	0.000303
1	1	45	2011	1	26	0.2261	22.094	6.6500	4.7481	97.7390	4.34	0.003655

1	1	45	2011	1	27	0.3498	9.526	6.6500	4.7481	27.2301	6.19	0.007008
1	1	45	2011	1	28	0.2742	12.059	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2011	2	1	12.3929	371.932	7.2800	5.3799	30.0117	24.09	0.281246
1	1	45	2011	2	2	10.1428	407.698	8.0600	5.7548	40.1957	18.52	0.101405
1	1	45	2011	2	3	10.7583	432.436	8.0600	5.7548	40.1957	18.52	0.337320
1	1	45	2011	2	4	15.6154	590.522	8.0600	5.7548	37.8166	14.25	0.103547
1	1	45	2011	2	5	15.9060	601.512	8.0600	5.7548	37.8166	14.25	0.047578
1	1	45	2011	2	6	4.9760	187.947	6.8800	4.9123	37.7707	10.10	0.027524
1	1	45	2011	2	7	5.5225	208.587	6.8800	4.9123	37.7707	9.36	0.000969
1	1	45	2011	2	8	5.3387	194.827	6.8800	4.9123	36.4932	9.33	0.000281
1	1	45	2011	2	9	6.2217	227.051	6.8800	4.9123	36.4931	8.00	0.000959
1	1	45	2011	2	10	6.1645	224.961	6.8800	4.9123	36.4932	8.12	0.001996
1	1	45	2011	2	11	7.3070	266.655	6.8800	4.9123	36.4932	7.44	0.000819
1	1	45	2011	2	12	7.7879	284.205	6.8800	4.9123	36.4932	7.05	0.000002
1	1	45	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2011	2	14	0.6456	19.376	7.2800	5.1979	30.0117	32.28	0.000028
1	1	45	2011	2	15	0.2750	13.278	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2011	2	16	0.3631	16.359	6.6500	4.7481	45.0549	12.93	0.008198
1	1	45	2011	2	17	0.3856	18.218	6.6500	4.7481	47.2522	11.65	0.002544
1	1	45	2011	2	18	0.5450	30.893	6.6500	4.7481	56.6821	10.18	0.002699
1	1	45	2011	2	19	0.5879	33.323	6.6500	4.7481	56.6821	9.86	0.001293
1	1	45	2011	2	20	0.5641	36.532	6.6500	4.7481	64.7605	8.70	0.006032
1	1	45	2011	2	21	0.6945	44.974	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2011	2	22	0.9071	118.128	6.6500	4.7481	130.2221	6.58	0.010278
1	1	45	2011	2	23	1.1435	226.196	6.6500	4.7481	197.8148	6.28	0.036527
1	1	45	2011	2	24	8.7938	75.470	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2011	2	25	8.8711	241.562	6.8800	4.9123	27.2301	6.43	0.000303
1	1	45	2011	2	26	1.7773	173.709	6.6500	4.7481	97.7390	4.34	0.003655
1	1	45	2011	2	27	1.0751	29.275	6.6500	4.7481	27.2301	6.19	0.007008
1	1	45	2011	2	28	0.4788	21.056	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2011	3	1	0.4891	14.678	7.2800	5.3799	30.0117	24.09	0.281246
1	1	45	2011	3	2	0.3441	13.833	8.0600	5.7548	40.1957	18.52	0.101405
1	1	45	2011	3	3	0.5302	21.312	8.0600	5.7548	40.1957	18.52	0.337320
1	1	45	2011	3	4	1.0213	38.622	8.0600	5.7548	37.8166	14.25	0.103547
1	1	45	2011	3	5	1.4126	53.420	8.0600	5.7548	37.8166	14.25	0.047578
1	1	45	2011	3	6	2.0853	78.761	6.8800	4.9123	37.7707	10.10	0.027524
1	1	45	2011	3	7	2.2046	83.270	6.8800	4.9123	37.7707	9.36	0.000969
1	1	45	2011	3	8	1.9463	71.026	6.8800	4.9123	36.4932	9.33	0.000281
1	1	45	2011	3	9	2.2584	82.416	6.8800	4.9123	36.4931	8.00	0.000959
1	1	45	2011	3	10	2.2439	81.887	6.8800	4.9123	36.4932	8.12	0.001996
1	1	45	2011	3	11	2.4746	90.308	6.8800	4.9123	36.4932	7.44	0.000819
1	1	45	2011	3	12	2.6421	96.417	6.8800	4.9123	36.4932	7.05	0.000002
1	1	45	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2011	3	14	0.2518	7.557	7.2800	5.1979	30.0117	32.28	0.000028
1	1	45	2011	3	15	0.1615	7.797	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2011	3	16	2.0301	91.467	6.6500	4.7481	45.0549	12.93	0.008198
1	1	45	2011	3	17	2.1380	101.023	6.6500	4.7481	47.2522	11.65	0.002544

1	1	45	2011	3	18	2.9540	167.440	6.6500	4.7481	56.6821	10.18	0.002699
1	1	45	2011	3	19	3.1937	181.028	6.6500	4.7481	56.6821	9.86	0.001293
1	1	45	2011	3	20	3.6783	238.209	6.6500	4.7481	64.7605	8.70	0.006032
1	1	45	2011	3	21	4.5445	294.305	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2011	3	22	5.1903	675.897	6.6500	4.7481	130.2221	6.58	0.010278
1	1	45	2011	3	23	6.2463	1235.607	6.6500	4.7481	197.8148	6.28	0.036527
1	1	45	2011	3	24	2.1127	18.132	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2011	3	25	4.3559	118.611	6.8800	4.9123	27.2301	6.43	0.000303
1	1	45	2011	3	26	10.7766	1053.297	6.6500	4.7481	97.7390	4.34	0.003655
1	1	45	2011	3	27	7.4495	202.851	6.6500	4.7481	27.2301	6.19	0.007008
1	1	45	2011	3	28	0.5599	24.619	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	46	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	46	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	46	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	46	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	46	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	46	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	46	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	46	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	46	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	46	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	46	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	46	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	46	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	46	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	46	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	46	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	46	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	46	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	46	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	46	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	46	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	46	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	46	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2011	1	1	0.3455	10.368	7.2800	5.3799	30.0117	24.09	0.281246
1	1	46	2011	1	2	0.2095	8.420	8.0600	5.7548	40.1957	18.52	0.101405
1	1	46	2011	1	3	0.2432	9.777	8.0600	5.7548	40.1957	18.52	0.337320
1	1	46	2011	1	4	0.5463	20.660	8.0600	5.7548	37.8166	14.25	0.103547
1	1	46	2011	1	5	0.6038	22.835	8.0600	5.7548	37.8166	14.25	0.047578
1	1	46	2011	1	6	0.2496	9.427	6.8800	4.9123	37.7707	10.10	0.027524
1	1	46	2011	1	7	0.2497	9.433	6.8800	4.9123	37.7707	9.36	0.000969
1	1	46	2011	1	8	0.2309	8.425	6.8800	4.9123	36.4932	9.33	0.000281

1	1	46	2011	1	9	0.2499	9.118	6.8800	4.9123	36.4931	8.00	0.000959
1	1	46	2011	1	10	0.2490	9.087	6.8800	4.9123	36.4932	8.12	0.001996
1	1	46	2011	1	11	0.2676	9.767	6.8800	4.9123	36.4932	7.44	0.000819
1	1	46	2011	1	12	0.2787	10.171	6.8800	4.9123	36.4932	7.05	0.000002
1	1	46	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2011	1	14	0.1082	3.248	7.2800	5.1979	30.0117	32.28	0.000028
1	1	46	2011	1	15	0.0778	3.757	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2011	1	16	0.1021	4.602	6.6500	4.7481	45.0549	12.93	0.008198
1	1	46	2011	1	17	0.1114	5.266	6.6500	4.7481	47.2522	11.65	0.002544
1	1	46	2011	1	18	0.1455	8.249	6.6500	4.7481	56.6821	10.18	0.002699
1	1	46	2011	1	19	0.1614	9.146	6.6500	4.7481	56.6821	9.86	0.001293
1	1	46	2011	1	20	0.1908	12.358	6.6500	4.7481	64.7605	8.70	0.006032
1	1	46	2011	1	21	0.2336	15.129	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2011	1	22	0.2443	31.814	6.6500	4.7481	130.2221	6.58	0.010278
1	1	46	2011	1	23	0.2877	56.904	6.6500	4.7481	197.8148	6.28	0.036527
1	1	46	2011	1	24	1.7393	14.927	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2011	1	25	0.4234	11.530	6.8800	4.9123	27.2301	6.43	0.000303
1	1	46	2011	1	26	0.2232	21.813	6.6500	4.7481	97.7390	4.34	0.003655
1	1	46	2011	1	27	0.3454	9.405	6.6500	4.7481	27.2301	6.19	0.007008
1	1	46	2011	1	28	0.2721	11.965	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2011	2	1	12.4539	373.764	7.2800	5.3799	30.0117	24.09	0.281246
1	1	46	2011	2	2	10.1982	409.923	8.0600	5.7548	40.1957	18.52	0.101405
1	1	46	2011	2	3	10.8180	434.836	8.0600	5.7548	40.1957	18.52	0.337320
1	1	46	2011	2	4	15.7049	593.907	8.0600	5.7548	37.8166	14.25	0.103547
1	1	46	2011	2	5	15.9966	604.939	8.0600	5.7548	37.8166	14.25	0.047578
1	1	46	2011	2	6	5.0068	189.111	6.8800	4.9123	37.7707	10.10	0.027524
1	1	46	2011	2	7	5.5567	209.879	6.8800	4.9123	37.7707	9.36	0.000969
1	1	46	2011	2	8	5.3718	196.034	6.8800	4.9123	36.4932	9.33	0.000281
1	1	46	2011	2	9	6.2603	228.457	6.8800	4.9123	36.4931	8.00	0.000959
1	1	46	2011	2	10	6.2027	226.354	6.8800	4.9123	36.4932	8.12	0.001996
1	1	46	2011	2	11	7.3522	268.306	6.8800	4.9123	36.4932	7.44	0.000819
1	1	46	2011	2	12	7.8361	285.965	6.8800	4.9123	36.4932	7.05	0.000002
1	1	46	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2011	2	14	0.6451	19.361	7.2800	5.1979	30.0117	32.28	0.000028
1	1	46	2011	2	15	0.2748	13.267	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2011	2	16	0.3626	16.335	6.6500	4.7481	45.0549	12.93	0.008198
1	1	46	2011	2	17	0.3850	18.191	6.6500	4.7481	47.2522	11.65	0.002544
1	1	46	2011	2	18	0.5442	30.847	6.6500	4.7481	56.6821	10.18	0.002699
1	1	46	2011	2	19	0.5870	33.274	6.6500	4.7481	56.6821	9.86	0.001293
1	1	46	2011	2	20	0.5633	36.478	6.6500	4.7481	64.7605	8.70	0.006032
1	1	46	2011	2	21	0.6934	44.907	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2011	2	22	0.9058	117.953	6.6500	4.7481	130.2221	6.58	0.010278
1	1	46	2011	2	23	1.1418	225.860	6.6500	4.7481	197.8148	6.28	0.036527
1	1	46	2011	2	24	8.7525	75.115	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2011	2	25	8.9261	243.058	6.8800	4.9123	27.2301	6.43	0.000303
1	1	46	2011	2	26	1.7746	173.451	6.6500	4.7481	97.7390	4.34	0.003655
1	1	46	2011	2	27	1.0735	29.231	6.6500	4.7481	27.2301	6.19	0.007008

1	1	46	2011	2	28	0.4784	21.039	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2011	3	1	0.4914	14.748	7.2800	5.3799	30.0117	24.09	0.281246
1	1	46	2011	3	2	0.3461	13.910	8.0600	5.7548	40.1957	18.52	0.101405
1	1	46	2011	3	3	0.5325	21.402	8.0600	5.7548	40.1957	18.52	0.337320
1	1	46	2011	3	4	1.0245	38.743	8.0600	5.7548	37.8166	14.25	0.103547
1	1	46	2011	3	5	1.4157	53.536	8.0600	5.7548	37.8166	14.25	0.047578
1	1	46	2011	3	6	2.0993	79.293	6.8800	4.9123	37.7707	10.10	0.027524
1	1	46	2011	3	7	2.2195	83.832	6.8800	4.9123	37.7707	9.36	0.000969
1	1	46	2011	3	8	1.9594	71.505	6.8800	4.9123	36.4932	9.33	0.000281
1	1	46	2011	3	9	2.2736	82.972	6.8800	4.9123	36.4931	8.00	0.000959
1	1	46	2011	3	10	2.2591	82.440	6.8800	4.9123	36.4932	8.12	0.001996
1	1	46	2011	3	11	2.4913	90.917	6.8800	4.9123	36.4932	7.44	0.000819
1	1	46	2011	3	12	2.6599	97.067	6.8800	4.9123	36.4932	7.05	0.000002
1	1	46	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2011	3	14	0.2562	7.689	7.2800	5.1979	30.0117	32.28	0.000028
1	1	46	2011	3	15	0.1643	7.935	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2011	3	16	2.0674	93.147	6.6500	4.7481	45.0549	12.93	0.008198
1	1	46	2011	3	17	2.1772	102.879	6.6500	4.7481	47.2522	11.65	0.002544
1	1	46	2011	3	18	3.0083	170.515	6.6500	4.7481	56.6821	10.18	0.002699
1	1	46	2011	3	19	3.2524	184.353	6.6500	4.7481	56.6821	9.86	0.001293
1	1	46	2011	3	20	3.7470	242.656	6.6500	4.7481	64.7605	8.70	0.006032
1	1	46	2011	3	21	4.6294	299.799	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2011	3	22	5.2838	688.062	6.6500	4.7481	130.2221	6.58	0.010278
1	1	46	2011	3	23	6.3567	1257.442	6.6500	4.7481	197.8148	6.28	0.036527
1	1	46	2011	3	24	2.1349	18.323	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2011	3	25	4.3853	119.411	6.8800	4.9123	27.2301	6.43	0.000303
1	1	46	2011	3	26	10.9798	1073.151	6.6500	4.7481	97.7390	4.34	0.003655
1	1	46	2011	3	27	7.5898	206.672	6.6500	4.7481	27.2301	6.19	0.007008
1	1	46	2011	3	28	0.5698	25.056	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	47	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	47	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	47	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	47	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	47	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	47	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	47	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	47	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	47	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	47	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	47	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	47	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	47	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	47	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	47	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699

1	1	47	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	47	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	47	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	47	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	47	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	47	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	47	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	47	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2011	1	1	0.3445	10.338	7.2800	5.3799	30.0117	24.09	0.281246
1	1	47	2011	1	2	0.2093	8.411	8.0600	5.7548	40.1957	18.52	0.101405
1	1	47	2011	1	3	0.2431	9.771	8.0600	5.7548	40.1957	18.52	0.337320
1	1	47	2011	1	4	0.5445	20.590	8.0600	5.7548	37.8166	14.25	0.103547
1	1	47	2011	1	5	0.6019	22.761	8.0600	5.7548	37.8166	14.25	0.047578
1	1	47	2011	1	6	0.2461	9.294	6.8800	4.9123	37.7707	10.10	0.027524
1	1	47	2011	1	7	0.2462	9.300	6.8800	4.9123	37.7707	9.36	0.000969
1	1	47	2011	1	8	0.2278	8.313	6.8800	4.9123	36.4932	9.33	0.000281
1	1	47	2011	1	9	0.2465	8.994	6.8800	4.9123	36.4931	8.00	0.000959
1	1	47	2011	1	10	0.2456	8.963	6.8800	4.9123	36.4932	8.12	0.001996
1	1	47	2011	1	11	0.2639	9.632	6.8800	4.9123	36.4932	7.44	0.000819
1	1	47	2011	1	12	0.2748	10.028	6.8800	4.9123	36.4932	7.05	0.000002
1	1	47	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2011	1	14	0.1075	3.226	7.2800	5.1979	30.0117	32.28	0.000028
1	1	47	2011	1	15	0.0772	3.728	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2011	1	16	0.1009	4.545	6.6500	4.7481	45.0549	12.93	0.008198
1	1	47	2011	1	17	0.1101	5.201	6.6500	4.7481	47.2522	11.65	0.002544
1	1	47	2011	1	18	0.1437	8.147	6.6500	4.7481	56.6821	10.18	0.002699
1	1	47	2011	1	19	0.1594	9.033	6.6500	4.7481	56.6821	9.86	0.001293
1	1	47	2011	1	20	0.1885	12.205	6.6500	4.7481	64.7605	8.70	0.006032
1	1	47	2011	1	21	0.2307	14.941	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2011	1	22	0.2413	31.420	6.6500	4.7481	130.2221	6.58	0.010278
1	1	47	2011	1	23	0.2841	56.200	6.6500	4.7481	197.8148	6.28	0.036527
1	1	47	2011	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2011	1	25	0.4169	11.353	6.8800	4.9123	27.2301	6.43	0.000303
1	1	47	2011	1	26	0.2204	21.543	6.6500	4.7481	97.7390	4.34	0.003655
1	1	47	2011	1	27	0.3411	9.288	6.6500	4.7481	27.2301	6.19	0.007008
1	1	47	2011	1	28	0.2700	11.875	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2011	2	1	12.5125	375.522	7.2800	5.3799	30.0117	24.09	0.281246
1	1	47	2011	2	2	10.2513	412.058	8.0600	5.7548	40.1957	18.52	0.101405
1	1	47	2011	2	3	10.8753	437.141	8.0600	5.7548	40.1957	18.52	0.337320
1	1	47	2011	2	4	15.7908	597.156	8.0600	5.7548	37.8166	14.25	0.103547
1	1	47	2011	2	5	16.0837	608.230	8.0600	5.7548	37.8166	14.25	0.047578
1	1	47	2011	2	6	5.0364	190.228	6.8800	4.9123	37.7707	10.10	0.027524
1	1	47	2011	2	7	5.5895	211.119	6.8800	4.9123	37.7707	9.36	0.000969
1	1	47	2011	2	8	5.4035	197.192	6.8800	4.9123	36.4932	9.33	0.000281
1	1	47	2011	2	9	6.2973	229.807	6.8800	4.9123	36.4931	8.00	0.000959

1	1	47	2011	2	10	6.2393	227.692	6.8800	4.9123	36.4932	8.12	0.001996
1	1	47	2011	2	11	7.3957	269.891	6.8800	4.9123	36.4932	7.44	0.000819
1	1	47	2011	2	12	7.8824	287.655	6.8800	4.9123	36.4932	7.05	0.000002
1	1	47	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2011	2	14	0.6446	19.347	7.2800	5.1979	30.0117	32.28	0.000028
1	1	47	2011	2	15	0.2745	13.256	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2011	2	16	0.3620	16.312	6.6500	4.7481	45.0549	12.93	0.008198
1	1	47	2011	2	17	0.3844	18.165	6.6500	4.7481	47.2522	11.65	0.002544
1	1	47	2011	2	18	0.5434	30.803	6.6500	4.7481	56.6821	10.18	0.002699
1	1	47	2011	2	19	0.5862	33.226	6.6500	4.7481	56.6821	9.86	0.001293
1	1	47	2011	2	20	0.5625	36.426	6.6500	4.7481	64.7605	8.70	0.006032
1	1	47	2011	2	21	0.6924	44.843	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2011	2	22	0.9045	117.784	6.6500	4.7481	130.2221	6.58	0.010278
1	1	47	2011	2	23	1.1401	225.538	6.6500	4.7481	197.8148	6.28	0.036527
1	1	47	2011	2	24	8.7128	74.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2011	2	25	8.9788	244.494	6.8800	4.9123	27.2301	6.43	0.000303
1	1	47	2011	2	26	1.7721	173.203	6.6500	4.7481	97.7390	4.34	0.003655
1	1	47	2011	2	27	1.0720	29.189	6.6500	4.7481	27.2301	6.19	0.007008
1	1	47	2011	2	28	0.4781	21.023	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2011	3	1	0.4936	14.815	7.2800	5.3799	30.0117	24.09	0.281246
1	1	47	2011	3	2	0.3479	13.984	8.0600	5.7548	40.1957	18.52	0.101405
1	1	47	2011	3	3	0.5346	21.490	8.0600	5.7548	40.1957	18.52	0.337320
1	1	47	2011	3	4	1.0276	38.860	8.0600	5.7548	37.8166	14.25	0.103547
1	1	47	2011	3	5	1.4186	53.646	8.0600	5.7548	37.8166	14.25	0.047578
1	1	47	2011	3	6	2.1128	79.803	6.8800	4.9123	37.7707	10.10	0.027524
1	1	47	2011	3	7	2.2338	84.371	6.8800	4.9123	37.7707	9.36	0.000969
1	1	47	2011	3	8	1.9720	71.965	6.8800	4.9123	36.4932	9.33	0.000281
1	1	47	2011	3	9	2.2883	83.506	6.8800	4.9123	36.4931	8.00	0.000959
1	1	47	2011	3	10	2.2736	82.971	6.8800	4.9123	36.4932	8.12	0.001996
1	1	47	2011	3	11	2.5074	91.502	6.8800	4.9123	36.4932	7.44	0.000819
1	1	47	2011	3	12	2.6770	97.692	6.8800	4.9123	36.4932	7.05	0.000002
1	1	47	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2011	3	14	0.2605	7.817	7.2800	5.1979	30.0117	32.28	0.000028
1	1	47	2011	3	15	0.1671	8.068	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2011	3	16	2.1032	94.760	6.6500	4.7481	45.0549	12.93	0.008198
1	1	47	2011	3	17	2.2149	104.660	6.6500	4.7481	47.2522	11.65	0.002544
1	1	47	2011	3	18	3.0604	173.468	6.6500	4.7481	56.6821	10.18	0.002699
1	1	47	2011	3	19	3.3087	187.546	6.6500	4.7481	56.6821	9.86	0.001293
1	1	47	2011	3	20	3.8129	246.926	6.6500	4.7481	64.7605	8.70	0.006032
1	1	47	2011	3	21	4.7108	305.075	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2011	3	22	5.3734	699.739	6.6500	4.7481	130.2221	6.58	0.010278
1	1	47	2011	3	23	6.4626	1278.403	6.6500	4.7481	197.8148	6.28	0.036527
1	1	47	2011	3	24	2.1562	18.505	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2011	3	25	4.4135	120.180	6.8800	4.9123	27.2301	6.43	0.000303
1	1	47	2011	3	26	11.1748	1092.211	6.6500	4.7481	97.7390	4.34	0.003655
1	1	47	2011	3	27	7.7245	210.340	6.6500	4.7481	27.2301	6.19	0.007008
1	1	47	2011	3	28	0.5793	25.475	8.0600	5.7548	43.9743	17.00	0.002242

1	1	48	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	48	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	48	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	48	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	48	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	48	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	48	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	48	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	48	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	48	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	48	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	48	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	48	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	48	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	48	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	48	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	48	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	48	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	48	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	48	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	48	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	48	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	48	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	48	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2011	1	1	0.3432	10.300	7.2800	5.3799	30.0117	24.09	0.281246
1	1	48	2011	1	2	0.2089	8.399	8.0600	5.7548	40.1957	18.52	0.101405
1	1	48	2011	1	3	0.2429	9.762	8.0600	5.7548	40.1957	18.52	0.337320
1	1	48	2011	1	4	0.5422	20.503	8.0600	5.7548	37.8166	14.25	0.103547
1	1	48	2011	1	5	0.5995	22.670	8.0600	5.7548	37.8166	14.25	0.047578
1	1	48	2011	1	6	0.2431	9.183	6.8800	4.9123	37.7707	10.10	0.027524
1	1	48	2011	1	7	0.2433	9.188	6.8800	4.9123	37.7707	9.36	0.000969
1	1	48	2011	1	8	0.2253	8.221	6.8800	4.9123	36.4932	9.33	0.000281
1	1	48	2011	1	9	0.2437	8.894	6.8800	4.9123	36.4931	8.00	0.000959
1	1	48	2011	1	10	0.2429	8.864	6.8800	4.9123	36.4932	8.12	0.001996
1	1	48	2011	1	11	0.2610	9.526	6.8800	4.9123	36.4932	7.44	0.000819
1	1	48	2011	1	12	0.2718	9.918	6.8800	4.9123	36.4932	7.05	0.000002
1	1	48	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2011	1	14	0.1069	3.209	7.2800	5.1979	30.0117	32.28	0.000028
1	1	48	2011	1	15	0.0768	3.707	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2011	1	16	0.0999	4.503	6.6500	4.7481	45.0549	12.93	0.008198
1	1	48	2011	1	17	0.1090	5.152	6.6500	4.7481	47.2522	11.65	0.002544
1	1	48	2011	1	18	0.1424	8.071	6.6500	4.7481	56.6821	10.18	0.002699
1	1	48	2011	1	19	0.1579	8.949	6.6500	4.7481	56.6821	9.86	0.001293

1	1	48	2011	1	20	0.1867	12.091	6.6500	4.7481	64.7605	8.70	0.006032
1	1	48	2011	1	21	0.2286	14.803	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2011	1	22	0.2390	31.128	6.6500	4.7481	130.2221	6.58	0.010278
1	1	48	2011	1	23	0.2815	55.678	6.6500	4.7481	197.8148	6.28	0.036527
1	1	48	2011	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2011	1	25	0.4116	11.207	6.8800	4.9123	27.2301	6.43	0.000303
1	1	48	2011	1	26	0.2184	21.343	6.6500	4.7481	97.7390	4.34	0.003655
1	1	48	2011	1	27	0.3379	9.202	6.6500	4.7481	27.2301	6.19	0.007008
1	1	48	2011	1	28	0.2685	11.808	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2011	2	1	12.5813	377.587	7.2800	5.3799	30.0117	24.09	0.281246
1	1	48	2011	2	2	10.3137	414.566	8.0600	5.7548	40.1957	18.52	0.101405
1	1	48	2011	2	3	10.9426	439.847	8.0600	5.7548	40.1957	18.52	0.337320
1	1	48	2011	2	4	15.8917	600.972	8.0600	5.7548	37.8166	14.25	0.103547
1	1	48	2011	2	5	16.1858	612.094	8.0600	5.7548	37.8166	14.25	0.047578
1	1	48	2011	2	6	5.1357	193.980	6.8800	4.9123	37.7707	10.10	0.027524
1	1	48	2011	2	7	5.6997	215.283	6.8800	4.9123	37.7707	9.36	0.000969
1	1	48	2011	2	8	5.5101	201.081	6.8800	4.9123	36.4932	9.33	0.000281
1	1	48	2011	2	9	6.4215	234.339	6.8800	4.9123	36.4931	8.00	0.000959
1	1	48	2011	2	10	6.3624	232.183	6.8800	4.9123	36.4932	8.12	0.001996
1	1	48	2011	2	11	7.5415	275.214	6.8800	4.9123	36.4932	7.44	0.000819
1	1	48	2011	2	12	8.0379	293.328	6.8800	4.9123	36.4932	7.05	0.000002
1	1	48	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2011	2	14	0.6474	19.429	7.2800	5.1979	30.0117	32.28	0.000028
1	1	48	2011	2	15	0.2758	13.319	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2011	2	16	0.3650	16.447	6.6500	4.7481	45.0549	12.93	0.008198
1	1	48	2011	2	17	0.3876	18.316	6.6500	4.7481	47.2522	11.65	0.002544
1	1	48	2011	2	18	0.5479	31.058	6.6500	4.7481	56.6821	10.18	0.002699
1	1	48	2011	2	19	0.5910	33.502	6.6500	4.7481	56.6821	9.86	0.001293
1	1	48	2011	2	20	0.5671	36.728	6.6500	4.7481	64.7605	8.70	0.006032
1	1	48	2011	2	21	0.6982	45.215	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2011	2	22	0.9120	118.762	6.6500	4.7481	130.2221	6.58	0.010278
1	1	48	2011	2	23	1.1496	227.409	6.6500	4.7481	197.8148	6.28	0.036527
1	1	48	2011	2	24	8.7128	74.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2011	2	25	9.1559	249.316	6.8800	4.9123	27.2301	6.43	0.000303
1	1	48	2011	2	26	1.7868	174.640	6.6500	4.7481	97.7390	4.34	0.003655
1	1	48	2011	2	27	1.0808	29.432	6.6500	4.7481	27.2301	6.19	0.007008
1	1	48	2011	2	28	0.4802	21.116	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2011	3	1	0.4963	14.895	7.2800	5.3799	30.0117	24.09	0.281246
1	1	48	2011	3	2	0.3501	14.072	8.0600	5.7548	40.1957	18.52	0.101405
1	1	48	2011	3	3	0.5372	21.595	8.0600	5.7548	40.1957	18.52	0.337320
1	1	48	2011	3	4	1.0315	39.006	8.0600	5.7548	37.8166	14.25	0.103547
1	1	48	2011	3	5	1.4226	53.798	8.0600	5.7548	37.8166	14.25	0.047578
1	1	48	2011	3	6	2.1287	80.402	6.8800	4.9123	37.7707	10.10	0.027524
1	1	48	2011	3	7	2.2505	85.004	6.8800	4.9123	37.7707	9.36	0.000969
1	1	48	2011	3	8	1.9868	72.505	6.8800	4.9123	36.4932	9.33	0.000281
1	1	48	2011	3	9	2.3054	84.133	6.8800	4.9123	36.4931	8.00	0.000959
1	1	48	2011	3	10	2.2907	83.594	6.8800	4.9123	36.4932	8.12	0.001996

1	1	48	2011	3	11	2.5262	92.189	6.8800	4.9123	36.4932	7.44	0.000819
1	1	48	2011	3	12	2.6971	98.426	6.8800	4.9123	36.4932	7.05	0.000002
1	1	48	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2011	3	14	0.2681	8.046	7.2800	5.1979	30.0117	32.28	0.000028
1	1	48	2011	3	15	0.1720	8.306	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2011	3	16	2.1676	97.661	6.6500	4.7481	45.0549	12.93	0.008198
1	1	48	2011	3	17	2.2827	107.865	6.6500	4.7481	47.2522	11.65	0.002544
1	1	48	2011	3	18	3.1541	178.780	6.6500	4.7481	56.6821	10.18	0.002699
1	1	48	2011	3	19	3.4100	193.288	6.6500	4.7481	56.6821	9.86	0.001293
1	1	48	2011	3	20	3.9315	254.606	6.6500	4.7481	64.7605	8.70	0.006032
1	1	48	2011	3	21	4.8573	314.564	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2011	3	22	5.5348	720.747	6.6500	4.7481	130.2221	6.58	0.010278
1	1	48	2011	3	23	6.6532	1316.111	6.6500	4.7481	197.8148	6.28	0.036527
1	1	48	2011	3	24	2.2044	18.919	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2011	3	25	4.4466	121.082	6.8800	4.9123	27.2301	6.43	0.000303
1	1	48	2011	3	26	11.5256	1126.498	6.6500	4.7481	97.7390	4.34	0.003655
1	1	48	2011	3	27	7.9669	216.939	6.6500	4.7481	27.2301	6.19	0.007008
1	1	48	2011	3	28	0.5965	26.229	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	49	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	49	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	49	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	49	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	49	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	49	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	49	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	49	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	49	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	49	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	49	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	49	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	49	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	49	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	49	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	49	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	49	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	49	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	49	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	49	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	49	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	49	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	49	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2011	1	1	0.3420	10.263	7.2800	5.3799	30.0117	24.09	0.281246

1	1	49	2011	1	2	0.2087	8.387	8.0600	5.7548	40.1957	18.52	0.101405
1	1	49	2011	1	3	0.2426	9.753	8.0600	5.7548	40.1957	18.52	0.337320
1	1	49	2011	1	4	0.5400	20.420	8.0600	5.7548	37.8166	14.25	0.103547
1	1	49	2011	1	5	0.5971	22.582	8.0600	5.7548	37.8166	14.25	0.047578
1	1	49	2011	1	6	0.2403	9.076	6.8800	4.9123	37.7707	10.10	0.027524
1	1	49	2011	1	7	0.2404	9.081	6.8800	4.9123	37.7707	9.36	0.000969
1	1	49	2011	1	8	0.2228	8.131	6.8800	4.9123	36.4932	9.33	0.000281
1	1	49	2011	1	9	0.2411	8.798	6.8800	4.9123	36.4931	8.00	0.000959
1	1	49	2011	1	10	0.2403	8.769	6.8800	4.9123	36.4932	8.12	0.001996
1	1	49	2011	1	11	0.2582	9.424	6.8800	4.9123	36.4932	7.44	0.000819
1	1	49	2011	1	12	0.2689	9.812	6.8800	4.9123	36.4932	7.05	0.000002
1	1	49	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2011	1	14	0.1064	3.192	7.2800	5.1979	30.0117	32.28	0.000028
1	1	49	2011	1	15	0.0763	3.686	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2011	1	16	0.0990	4.462	6.6500	4.7481	45.0549	12.93	0.008198
1	1	49	2011	1	17	0.1081	5.106	6.6500	4.7481	47.2522	11.65	0.002544
1	1	49	2011	1	18	0.1411	7.998	6.6500	4.7481	56.6821	10.18	0.002699
1	1	49	2011	1	19	0.1565	8.869	6.6500	4.7481	56.6821	9.86	0.001293
1	1	49	2011	1	20	0.1850	11.982	6.6500	4.7481	64.7605	8.70	0.006032
1	1	49	2011	1	21	0.2265	14.669	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2011	1	22	0.2369	30.848	6.6500	4.7481	130.2221	6.58	0.010278
1	1	49	2011	1	23	0.2789	55.176	6.6500	4.7481	197.8148	6.28	0.036527
1	1	49	2011	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2011	1	25	0.4064	11.066	6.8800	4.9123	27.2301	6.43	0.000303
1	1	49	2011	1	26	0.2164	21.151	6.6500	4.7481	97.7390	4.34	0.003655
1	1	49	2011	1	27	0.3349	9.119	6.6500	4.7481	27.2301	6.19	0.007008
1	1	49	2011	1	28	0.2671	11.744	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2011	2	1	12.6475	379.572	7.2800	5.3799	30.0117	24.09	0.281246
1	1	49	2011	2	2	10.3737	416.977	8.0600	5.7548	40.1957	18.52	0.101405
1	1	49	2011	2	3	11.0074	442.448	8.0600	5.7548	40.1957	18.52	0.337320
1	1	49	2011	2	4	15.9887	604.640	8.0600	5.7548	37.8166	14.25	0.103547
1	1	49	2011	2	5	16.2841	615.810	8.0600	5.7548	37.8166	14.25	0.047578
1	1	49	2011	2	6	5.2312	197.588	6.8800	4.9123	37.7707	10.10	0.027524
1	1	49	2011	2	7	5.8057	219.287	6.8800	4.9123	37.7707	9.36	0.000969
1	1	49	2011	2	8	5.6126	204.821	6.8800	4.9123	36.4932	9.33	0.000281
1	1	49	2011	2	9	6.5409	238.697	6.8800	4.9123	36.4931	8.00	0.000959
1	1	49	2011	2	10	6.4807	236.501	6.8800	4.9123	36.4932	8.12	0.001996
1	1	49	2011	2	11	7.6818	280.333	6.8800	4.9123	36.4932	7.44	0.000819
1	1	49	2011	2	12	8.1874	298.783	6.8800	4.9123	36.4932	7.05	0.000002
1	1	49	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2011	2	14	0.6500	19.508	7.2800	5.1979	30.0117	32.28	0.000028
1	1	49	2011	2	15	0.2771	13.379	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2011	2	16	0.3679	16.577	6.6500	4.7481	45.0549	12.93	0.008198
1	1	49	2011	2	17	0.3907	18.461	6.6500	4.7481	47.2522	11.65	0.002544
1	1	49	2011	2	18	0.5523	31.304	6.6500	4.7481	56.6821	10.18	0.002699
1	1	49	2011	2	19	0.5957	33.767	6.6500	4.7481	56.6821	9.86	0.001293
1	1	49	2011	2	20	0.5716	37.019	6.6500	4.7481	64.7605	8.70	0.006032

1	1	49	2011	2	21	0.7037	45.573	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2011	2	22	0.9192	119.702	6.6500	4.7481	130.2221	6.58	0.010278
1	1	49	2011	2	23	1.1587	229.209	6.6500	4.7481	197.8148	6.28	0.036527
1	1	49	2011	2	24	8.7128	74.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2011	2	25	9.3262	253.953	6.8800	4.9123	27.2301	6.43	0.000303
1	1	49	2011	2	26	1.8009	176.022	6.6500	4.7481	97.7390	4.34	0.003655
1	1	49	2011	2	27	1.0894	29.665	6.6500	4.7481	27.2301	6.19	0.007008
1	1	49	2011	2	28	0.4822	21.206	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2011	3	1	0.4989	14.973	7.2800	5.3799	30.0117	24.09	0.281246
1	1	49	2011	3	2	0.3522	14.157	8.0600	5.7548	40.1957	18.52	0.101405
1	1	49	2011	3	3	0.5398	21.696	8.0600	5.7548	40.1957	18.52	0.337320
1	1	49	2011	3	4	1.0352	39.147	8.0600	5.7548	37.8166	14.25	0.103547
1	1	49	2011	3	5	1.4265	53.944	8.0600	5.7548	37.8166	14.25	0.047578
1	1	49	2011	3	6	2.1439	80.978	6.8800	4.9123	37.7707	10.10	0.027524
1	1	49	2011	3	7	2.2667	85.614	6.8800	4.9123	37.7707	9.36	0.000969
1	1	49	2011	3	8	2.0011	73.025	6.8800	4.9123	36.4932	9.33	0.000281
1	1	49	2011	3	9	2.3220	84.736	6.8800	4.9123	36.4931	8.00	0.000959
1	1	49	2011	3	10	2.3071	84.192	6.8800	4.9123	36.4932	8.12	0.001996
1	1	49	2011	3	11	2.5443	92.850	6.8800	4.9123	36.4932	7.44	0.000819
1	1	49	2011	3	12	2.7164	99.131	6.8800	4.9123	36.4932	7.05	0.000002
1	1	49	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2011	3	14	0.2754	8.266	7.2800	5.1979	30.0117	32.28	0.000028
1	1	49	2011	3	15	0.1768	8.536	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2011	3	16	2.2295	100.451	6.6500	4.7481	45.0549	12.93	0.008198
1	1	49	2011	3	17	2.3480	110.946	6.6500	4.7481	47.2522	11.65	0.002544
1	1	49	2011	3	18	3.2442	183.887	6.6500	4.7481	56.6821	10.18	0.002699
1	1	49	2011	3	19	3.5075	198.810	6.6500	4.7481	56.6821	9.86	0.001293
1	1	49	2011	3	20	4.0455	261.990	6.6500	4.7481	64.7605	8.70	0.006032
1	1	49	2011	3	21	4.9982	323.688	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2011	3	22	5.6899	740.946	6.6500	4.7481	130.2221	6.58	0.010278
1	1	49	2011	3	23	6.8365	1352.368	6.6500	4.7481	197.8148	6.28	0.036527
1	1	49	2011	3	24	2.2508	19.317	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2011	3	25	4.4785	121.950	6.8800	4.9123	27.2301	6.43	0.000303
1	1	49	2011	3	26	11.8629	1159.467	6.6500	4.7481	97.7390	4.34	0.003655
1	1	49	2011	3	27	8.1999	223.285	6.6500	4.7481	27.2301	6.19	0.007008
1	1	49	2011	3	28	0.6129	26.954	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	50	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	50	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	50	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	50	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	50	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	50	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	50	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	50	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	50	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	50	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819

1	1	50	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	50	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	50	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	50	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	50	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	50	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	50	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	50	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	50	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	50	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	50	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	50	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	50	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2011	1	1	0.3408	10.227	7.2800	5.3799	30.0117	24.09	0.281246
1	1	50	2011	1	2	0.2084	8.375	8.0600	5.7548	40.1957	18.52	0.101405
1	1	50	2011	1	3	0.2424	9.744	8.0600	5.7548	40.1957	18.52	0.337320
1	1	50	2011	1	4	0.5378	20.339	8.0600	5.7548	37.8166	14.25	0.103547
1	1	50	2011	1	5	0.5949	22.497	8.0600	5.7548	37.8166	14.25	0.047578
1	1	50	2011	1	6	0.2376	8.973	6.8800	4.9123	37.7707	10.10	0.027524
1	1	50	2011	1	7	0.2377	8.978	6.8800	4.9123	37.7707	9.36	0.000969
1	1	50	2011	1	8	0.2205	8.046	6.8800	4.9123	36.4932	9.33	0.000281
1	1	50	2011	1	9	0.2386	8.706	6.8800	4.9123	36.4931	8.00	0.000959
1	1	50	2011	1	10	0.2378	8.677	6.8800	4.9123	36.4932	8.12	0.001996
1	1	50	2011	1	11	0.2555	9.325	6.8800	4.9123	36.4932	7.44	0.000819
1	1	50	2011	1	12	0.2661	9.710	6.8800	4.9123	36.4932	7.05	0.000002
1	1	50	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2011	1	14	0.1059	3.177	7.2800	5.1979	30.0117	32.28	0.000028
1	1	50	2011	1	15	0.0759	3.667	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2011	1	16	0.0982	4.423	6.6500	4.7481	45.0549	12.93	0.008198
1	1	50	2011	1	17	0.1071	5.061	6.6500	4.7481	47.2522	11.65	0.002544
1	1	50	2011	1	18	0.1399	7.928	6.6500	4.7481	56.6821	10.18	0.002699
1	1	50	2011	1	19	0.1551	8.791	6.6500	4.7481	56.6821	9.86	0.001293
1	1	50	2011	1	20	0.1834	11.878	6.6500	4.7481	64.7605	8.70	0.006032
1	1	50	2011	1	21	0.2245	14.541	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2011	1	22	0.2348	30.578	6.6500	4.7481	130.2221	6.58	0.010278
1	1	50	2011	1	23	0.2765	54.693	6.6500	4.7481	197.8148	6.28	0.036527
1	1	50	2011	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2011	1	25	0.4014	10.930	6.8800	4.9123	27.2301	6.43	0.000303
1	1	50	2011	1	26	0.2145	20.966	6.6500	4.7481	97.7390	4.34	0.003655
1	1	50	2011	1	27	0.3320	9.039	6.6500	4.7481	27.2301	6.19	0.007008
1	1	50	2011	1	28	0.2657	11.682	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2011	2	1	12.7111	381.483	7.2800	5.3799	30.0117	24.09	0.281246
1	1	50	2011	2	2	10.4314	419.297	8.0600	5.7548	40.1957	18.52	0.101405

1	1	50	2011	2	3	11.0697	444.952	8.0600	5.7548	40.1957	18.52	0.337320
1	1	50	2011	2	4	16.0821	608.171	8.0600	5.7548	37.8166	14.25	0.103547
1	1	50	2011	2	5	16.3786	619.385	8.0600	5.7548	37.8166	14.25	0.047578
1	1	50	2011	2	6	5.3232	201.059	6.8800	4.9123	37.7707	10.10	0.027524
1	1	50	2011	2	7	5.9077	223.139	6.8800	4.9123	37.7707	9.36	0.000969
1	1	50	2011	2	8	5.7112	208.419	6.8800	4.9123	36.4932	9.33	0.000281
1	1	50	2011	2	9	6.6558	242.891	6.8800	4.9123	36.4931	8.00	0.000959
1	1	50	2011	2	10	6.5945	240.656	6.8800	4.9123	36.4932	8.12	0.001996
1	1	50	2011	2	11	7.8167	285.258	6.8800	4.9123	36.4932	7.44	0.000819
1	1	50	2011	2	12	8.3312	304.033	6.8800	4.9123	36.4932	7.05	0.000002
1	1	50	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2011	2	14	0.6525	19.584	7.2800	5.1979	30.0117	32.28	0.000028
1	1	50	2011	2	15	0.2783	13.437	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2011	2	16	0.3707	16.703	6.6500	4.7481	45.0549	12.93	0.008198
1	1	50	2011	2	17	0.3936	18.600	6.6500	4.7481	47.2522	11.65	0.002544
1	1	50	2011	2	18	0.5564	31.541	6.6500	4.7481	56.6821	10.18	0.002699
1	1	50	2011	2	19	0.6002	34.022	6.6500	4.7481	56.6821	9.86	0.001293
1	1	50	2011	2	20	0.5759	37.298	6.6500	4.7481	64.7605	8.70	0.006032
1	1	50	2011	2	21	0.7090	45.917	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2011	2	22	0.9262	120.606	6.6500	4.7481	130.2221	6.58	0.010278
1	1	50	2011	2	23	1.1675	230.941	6.6500	4.7481	197.8148	6.28	0.036527
1	1	50	2011	2	24	8.7128	74.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2011	2	25	9.4900	258.414	6.8800	4.9123	27.2301	6.43	0.000303
1	1	50	2011	2	26	1.8145	177.352	6.6500	4.7481	97.7390	4.34	0.003655
1	1	50	2011	2	27	1.0976	29.889	6.6500	4.7481	27.2301	6.19	0.007008
1	1	50	2011	2	28	0.4842	21.292	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2011	3	1	0.5014	15.048	7.2800	5.3799	30.0117	24.09	0.281246
1	1	50	2011	3	2	0.3542	14.239	8.0600	5.7548	40.1957	18.52	0.101405
1	1	50	2011	3	3	0.5422	21.793	8.0600	5.7548	40.1957	18.52	0.337320
1	1	50	2011	3	4	1.0388	39.282	8.0600	5.7548	37.8166	14.25	0.103547
1	1	50	2011	3	5	1.4302	54.084	8.0600	5.7548	37.8166	14.25	0.047578
1	1	50	2011	3	6	2.1586	81.533	6.8800	4.9123	37.7707	10.10	0.027524
1	1	50	2011	3	7	2.2822	86.200	6.8800	4.9123	37.7707	9.36	0.000969
1	1	50	2011	3	8	2.0148	73.525	6.8800	4.9123	36.4932	9.33	0.000281
1	1	50	2011	3	9	2.3379	85.316	6.8800	4.9123	36.4931	8.00	0.000959
1	1	50	2011	3	10	2.3229	84.769	6.8800	4.9123	36.4932	8.12	0.001996
1	1	50	2011	3	11	2.5617	93.485	6.8800	4.9123	36.4932	7.44	0.000819
1	1	50	2011	3	12	2.7350	99.810	6.8800	4.9123	36.4932	7.05	0.000002
1	1	50	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2011	3	14	0.2825	8.478	7.2800	5.1979	30.0117	32.28	0.000028
1	1	50	2011	3	15	0.1814	8.757	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2011	3	16	2.2891	103.136	6.6500	4.7481	45.0549	12.93	0.008198
1	1	50	2011	3	17	2.4107	113.911	6.6500	4.7481	47.2522	11.65	0.002544
1	1	50	2011	3	18	3.3309	188.801	6.6500	4.7481	56.6821	10.18	0.002699
1	1	50	2011	3	19	3.6012	204.123	6.6500	4.7481	56.6821	9.86	0.001293
1	1	50	2011	3	20	4.1553	269.096	6.6500	4.7481	64.7605	8.70	0.006032
1	1	50	2011	3	21	5.1338	332.468	6.6500	4.7481	64.7605	7.53	0.008655

1	1	50	2011	3	22	5.8391	760.384	6.6500	4.7481	130.2221	6.58	0.010278
1	1	50	2011	3	23	7.0129	1387.257	6.6500	4.7481	197.8148	6.28	0.036527
1	1	50	2011	3	24	2.2954	19.699	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2011	3	25	4.5091	122.785	6.8800	4.9123	27.2301	6.43	0.000303
1	1	50	2011	3	26	12.1875	1191.191	6.6500	4.7481	97.7390	4.34	0.003655
1	1	50	2011	3	27	8.4241	229.391	6.6500	4.7481	27.2301	6.19	0.007008
1	1	50	2011	3	28	0.6288	27.651	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	51	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	51	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	51	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	51	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	51	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	51	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	51	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	51	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	51	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	51	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	51	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	51	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	51	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	51	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	51	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	51	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	51	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	51	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	51	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	51	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	51	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	51	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	51	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2011	1	1	0.3396	10.193	7.2800	5.3799	30.0117	24.09	0.281246
1	1	51	2011	1	2	0.2081	8.364	8.0600	5.7548	40.1957	18.52	0.101405
1	1	51	2011	1	3	0.2422	9.736	8.0600	5.7548	40.1957	18.52	0.337320
1	1	51	2011	1	4	0.5358	20.262	8.0600	5.7548	37.8166	14.25	0.103547
1	1	51	2011	1	5	0.5928	22.416	8.0600	5.7548	37.8166	14.25	0.047578
1	1	51	2011	1	6	0.2349	8.873	6.8800	4.9123	37.7707	10.10	0.027524
1	1	51	2011	1	7	0.2351	8.879	6.8800	4.9123	37.7707	9.36	0.000969
1	1	51	2011	1	8	0.2182	7.963	6.8800	4.9123	36.4932	9.33	0.000281
1	1	51	2011	1	9	0.2361	8.617	6.8800	4.9123	36.4931	8.00	0.000959
1	1	51	2011	1	10	0.2353	8.588	6.8800	4.9123	36.4932	8.12	0.001996
1	1	51	2011	1	11	0.2529	9.231	6.8800	4.9123	36.4932	7.44	0.000819
1	1	51	2011	1	12	0.2634	9.611	6.8800	4.9123	36.4932	7.05	0.000002

1	1	51	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2011	1	14	0.1054	3.162	7.2800	5.1979	30.0117	32.28	0.000028
1	1	51	2011	1	15	0.0755	3.648	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2011	1	16	0.0973	4.385	6.6500	4.7481	45.0549	12.93	0.008198
1	1	51	2011	1	17	0.1062	5.018	6.6500	4.7481	47.2522	11.65	0.002544
1	1	51	2011	1	18	0.1387	7.861	6.6500	4.7481	56.6821	10.18	0.002699
1	1	51	2011	1	19	0.1538	8.716	6.6500	4.7481	56.6821	9.86	0.001293
1	1	51	2011	1	20	0.1818	11.777	6.6500	4.7481	64.7605	8.70	0.006032
1	1	51	2011	1	21	0.2226	14.417	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2011	1	22	0.2328	30.318	6.6500	4.7481	130.2221	6.58	0.010278
1	1	51	2011	1	23	0.2741	54.228	6.6500	4.7481	197.8148	6.28	0.036527
1	1	51	2011	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2011	1	25	0.3966	10.800	6.8800	4.9123	27.2301	6.43	0.000303
1	1	51	2011	1	26	0.2127	20.788	6.6500	4.7481	97.7390	4.34	0.003655
1	1	51	2011	1	27	0.3291	8.962	6.6500	4.7481	27.2301	6.19	0.007008
1	1	51	2011	1	28	0.2643	11.622	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2011	2	1	12.7724	383.323	7.2800	5.3799	30.0117	24.09	0.281246
1	1	51	2011	2	2	10.4870	421.531	8.0600	5.7548	40.1957	18.52	0.101405
1	1	51	2011	2	3	11.1296	447.363	8.0600	5.7548	40.1957	18.52	0.337320
1	1	51	2011	2	4	16.1720	611.570	8.0600	5.7548	37.8166	14.25	0.103547
1	1	51	2011	2	5	16.4697	622.828	8.0600	5.7548	37.8166	14.25	0.047578
1	1	51	2011	2	6	5.4117	204.402	6.8800	4.9123	37.7707	10.10	0.027524
1	1	51	2011	2	7	6.0060	226.849	6.8800	4.9123	37.7707	9.36	0.000969
1	1	51	2011	2	8	5.8061	211.884	6.8800	4.9123	36.4932	9.33	0.000281
1	1	51	2011	2	9	6.7665	246.929	6.8800	4.9123	36.4931	8.00	0.000959
1	1	51	2011	2	10	6.7042	244.657	6.8800	4.9123	36.4932	8.12	0.001996
1	1	51	2011	2	11	7.9467	290.000	6.8800	4.9123	36.4932	7.44	0.000819
1	1	51	2011	2	12	8.4697	309.087	6.8800	4.9123	36.4932	7.05	0.000002
1	1	51	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2011	2	14	0.6550	19.657	7.2800	5.1979	30.0117	32.28	0.000028
1	1	51	2011	2	15	0.2795	13.493	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2011	2	16	0.3734	16.823	6.6500	4.7481	45.0549	12.93	0.008198
1	1	51	2011	2	17	0.3965	18.735	6.6500	4.7481	47.2522	11.65	0.002544
1	1	51	2011	2	18	0.5605	31.768	6.6500	4.7481	56.6821	10.18	0.002699
1	1	51	2011	2	19	0.6046	34.268	6.6500	4.7481	56.6821	9.86	0.001293
1	1	51	2011	2	20	0.5801	37.567	6.6500	4.7481	64.7605	8.70	0.006032
1	1	51	2011	2	21	0.7142	46.249	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2011	2	22	0.9328	121.477	6.6500	4.7481	130.2221	6.58	0.010278
1	1	51	2011	2	23	1.1759	232.608	6.6500	4.7481	197.8148	6.28	0.036527
1	1	51	2011	2	24	8.7128	74.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2011	2	25	9.6478	262.711	6.8800	4.9123	27.2301	6.43	0.000303
1	1	51	2011	2	26	1.8276	178.633	6.6500	4.7481	97.7390	4.34	0.003655
1	1	51	2011	2	27	1.1056	30.104	6.6500	4.7481	27.2301	6.19	0.007008
1	1	51	2011	2	28	0.4861	21.375	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2011	3	1	0.5038	15.120	7.2800	5.3799	30.0117	24.09	0.281246
1	1	51	2011	3	2	0.3562	14.317	8.0600	5.7548	40.1957	18.52	0.101405
1	1	51	2011	3	3	0.5445	21.887	8.0600	5.7548	40.1957	18.52	0.337320

1	1	51	2011	3	4	1.0422	39.413	8.0600	5.7548	37.8166	14.25	0.103547
1	1	51	2011	3	5	1.4337	54.219	8.0600	5.7548	37.8166	14.25	0.047578
1	1	51	2011	3	6	2.1728	82.067	6.8800	4.9123	37.7707	10.10	0.027524
1	1	51	2011	3	7	2.2971	86.764	6.8800	4.9123	37.7707	9.36	0.000969
1	1	51	2011	3	8	2.0279	74.006	6.8800	4.9123	36.4932	9.33	0.000281
1	1	51	2011	3	9	2.3532	85.874	6.8800	4.9123	36.4931	8.00	0.000959
1	1	51	2011	3	10	2.3381	85.324	6.8800	4.9123	36.4932	8.12	0.001996
1	1	51	2011	3	11	2.5785	94.097	6.8800	4.9123	36.4932	7.44	0.000819
1	1	51	2011	3	12	2.7529	100.463	6.8800	4.9123	36.4932	7.05	0.000002
1	1	51	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2011	3	14	0.2893	8.683	7.2800	5.1979	30.0117	32.28	0.000028
1	1	51	2011	3	15	0.1858	8.969	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2011	3	16	2.3465	105.721	6.6500	4.7481	45.0549	12.93	0.008198
1	1	51	2011	3	17	2.4711	116.767	6.6500	4.7481	47.2522	11.65	0.002544
1	1	51	2011	3	18	3.4144	193.534	6.6500	4.7481	56.6821	10.18	0.002699
1	1	51	2011	3	19	3.6915	209.240	6.6500	4.7481	56.6821	9.86	0.001293
1	1	51	2011	3	20	4.2609	275.939	6.6500	4.7481	64.7605	8.70	0.006032
1	1	51	2011	3	21	5.2644	340.923	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2011	3	22	5.9829	779.101	6.6500	4.7481	130.2221	6.58	0.010278
1	1	51	2011	3	23	7.1827	1420.854	6.6500	4.7481	197.8148	6.28	0.036527
1	1	51	2011	3	24	2.3383	20.068	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2011	3	25	4.5387	123.589	6.8800	4.9123	27.2301	6.43	0.000303
1	1	51	2011	3	26	12.5000	1221.740	6.6500	4.7481	97.7390	4.34	0.003655
1	1	51	2011	3	27	8.6401	235.270	6.6500	4.7481	27.2301	6.19	0.007008
1	1	51	2011	3	28	0.6441	28.323	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	52	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	52	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	52	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	52	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	52	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	52	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	52	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	52	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	52	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	52	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	52	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	52	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	52	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	52	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	52	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	52	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	52	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	52	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	52	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278

1	1	52	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	52	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	52	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	52	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	52	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2011	1	1	0.3385	10.160	7.2800	5.3799	30.0117	24.09	0.281246
1	1	52	2011	1	2	0.2078	8.354	8.0600	5.7548	40.1957	18.52	0.101405
1	1	52	2011	1	3	0.2420	9.728	8.0600	5.7548	40.1957	18.52	0.337320
1	1	52	2011	1	4	0.5338	20.187	8.0600	5.7548	37.8166	14.25	0.103547
1	1	52	2011	1	5	0.5907	22.338	8.0600	5.7548	37.8166	14.25	0.047578
1	1	52	2011	1	6	0.2324	8.778	6.8800	4.9123	37.7707	10.10	0.027524
1	1	52	2011	1	7	0.2325	8.783	6.8800	4.9123	37.7707	9.36	0.000969
1	1	52	2011	1	8	0.2160	7.884	6.8800	4.9123	36.4932	9.33	0.000281
1	1	52	2011	1	9	0.2338	8.532	6.8800	4.9123	36.4931	8.00	0.000959
1	1	52	2011	1	10	0.2330	8.503	6.8800	4.9123	36.4932	8.12	0.001996
1	1	52	2011	1	11	0.2504	9.139	6.8800	4.9123	36.4932	7.44	0.000819
1	1	52	2011	1	12	0.2608	9.517	6.8800	4.9123	36.4932	7.05	0.000002
1	1	52	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	52	2011	1	14	0.1049	3.147	7.2800	5.1979	30.0117	32.28	0.000028
1	1	52	2011	1	15	0.0752	3.629	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2011	1	16	0.0965	4.349	6.6500	4.7481	45.0549	12.93	0.008198
1	1	52	2011	1	17	0.1053	4.977	6.6500	4.7481	47.2522	11.65	0.002544
1	1	52	2011	1	18	0.1375	7.796	6.6500	4.7481	56.6821	10.18	0.002699
1	1	52	2011	1	19	0.1525	8.644	6.6500	4.7481	56.6821	9.86	0.001293
1	1	52	2011	1	20	0.1803	11.679	6.6500	4.7481	64.7605	8.70	0.006032
1	1	52	2011	1	21	0.2208	14.298	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2011	1	22	0.2309	30.067	6.6500	4.7481	130.2221	6.58	0.010278
1	1	52	2011	1	23	0.2719	53.780	6.6500	4.7481	197.8148	6.28	0.036527
1	1	52	2011	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2011	1	25	0.3920	10.674	6.8800	4.9123	27.2301	6.43	0.000303
1	1	52	2011	1	26	0.2109	20.616	6.6500	4.7481	97.7390	4.34	0.003655
1	1	52	2011	1	27	0.3264	8.888	6.6500	4.7481	27.2301	6.19	0.007008
1	1	52	2011	1	28	0.2630	11.565	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2011	2	1	12.8315	385.096	7.2800	5.3799	30.0117	24.09	0.281246
1	1	52	2011	2	2	10.5406	423.685	8.0600	5.7548	40.1957	18.52	0.101405
1	1	52	2011	2	3	11.1874	449.686	8.0600	5.7548	40.1957	18.52	0.337320
1	1	52	2011	2	4	16.2586	614.846	8.0600	5.7548	37.8166	14.25	0.103547
1	1	52	2011	2	5	16.5574	626.146	8.0600	5.7548	37.8166	14.25	0.047578
1	1	52	2011	2	6	5.4969	207.623	6.8800	4.9123	37.7707	10.10	0.027524
1	1	52	2011	2	7	6.1006	230.424	6.8800	4.9123	37.7707	9.36	0.000969
1	1	52	2011	2	8	5.8976	215.224	6.8800	4.9123	36.4932	9.33	0.000281
1	1	52	2011	2	9	6.8731	250.821	6.8800	4.9123	36.4931	8.00	0.000959
1	1	52	2011	2	10	6.8098	248.512	6.8800	4.9123	36.4932	8.12	0.001996
1	1	52	2011	2	11	8.0719	294.571	6.8800	4.9123	36.4932	7.44	0.000819
1	1	52	2011	2	12	8.6032	313.958	6.8800	4.9123	36.4932	7.05	0.000002
1	1	52	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	52	2011	2	14	0.6573	19.727	7.2800	5.1979	30.0117	32.28	0.000028
1	1	52	2011	2	15	0.2806	13.547	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2011	2	16	0.3760	16.939	6.6500	4.7481	45.0549	12.93	0.008198
1	1	52	2011	2	17	0.3992	18.864	6.6500	4.7481	47.2522	11.65	0.002544
1	1	52	2011	2	18	0.5643	31.988	6.6500	4.7481	56.6821	10.18	0.002699
1	1	52	2011	2	19	0.6087	34.505	6.6500	4.7481	56.6821	9.86	0.001293
1	1	52	2011	2	20	0.5841	37.827	6.6500	4.7481	64.7605	8.70	0.006032
1	1	52	2011	2	21	0.7191	46.568	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2011	2	22	0.9393	122.316	6.6500	4.7481	130.2221	6.58	0.010278
1	1	52	2011	2	23	1.1840	234.215	6.6500	4.7481	197.8148	6.28	0.036527
1	1	52	2011	2	24	8.7128	74.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2011	2	25	9.7998	266.851	6.8800	4.9123	27.2301	6.43	0.000303
1	1	52	2011	2	26	1.8403	179.867	6.6500	4.7481	97.7390	4.34	0.003655
1	1	52	2011	2	27	1.1132	30.312	6.6500	4.7481	27.2301	6.19	0.007008
1	1	52	2011	2	28	0.4879	21.455	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2011	3	1	0.5061	15.189	7.2800	5.3799	30.0117	24.09	0.281246
1	1	52	2011	3	2	0.3581	14.393	8.0600	5.7548	40.1957	18.52	0.101405
1	1	52	2011	3	3	0.5468	21.977	8.0600	5.7548	40.1957	18.52	0.337320
1	1	52	2011	3	4	1.0455	39.538	8.0600	5.7548	37.8166	14.25	0.103547
1	1	52	2011	3	5	1.4372	54.349	8.0600	5.7548	37.8166	14.25	0.047578
1	1	52	2011	3	6	2.1864	82.581	6.8800	4.9123	37.7707	10.10	0.027524
1	1	52	2011	3	7	2.3115	87.308	6.8800	4.9123	37.7707	9.36	0.000969
1	1	52	2011	3	8	2.0407	74.470	6.8800	4.9123	36.4932	9.33	0.000281
1	1	52	2011	3	9	2.3679	86.413	6.8800	4.9123	36.4931	8.00	0.000959
1	1	52	2011	3	10	2.3527	85.859	6.8800	4.9123	36.4932	8.12	0.001996
1	1	52	2011	3	11	2.5947	94.687	6.8800	4.9123	36.4932	7.44	0.000819
1	1	52	2011	3	12	2.7702	101.093	6.8800	4.9123	36.4932	7.05	0.000002
1	1	52	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	52	2011	3	14	0.2959	8.879	7.2800	5.1979	30.0117	32.28	0.000028
1	1	52	2011	3	15	0.1900	9.174	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2011	3	16	2.4018	108.212	6.6500	4.7481	45.0549	12.93	0.008198
1	1	52	2011	3	17	2.5294	119.518	6.6500	4.7481	47.2522	11.65	0.002544
1	1	52	2011	3	18	3.4948	198.094	6.6500	4.7481	56.6821	10.18	0.002699
1	1	52	2011	3	19	3.7784	214.170	6.6500	4.7481	56.6821	9.86	0.001293
1	1	52	2011	3	20	4.3627	282.533	6.6500	4.7481	64.7605	8.70	0.006032
1	1	52	2011	3	21	5.3902	349.070	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2011	3	22	6.1214	797.138	6.6500	4.7481	130.2221	6.58	0.010278
1	1	52	2011	3	23	7.3464	1453.229	6.6500	4.7481	197.8148	6.28	0.036527
1	1	52	2011	3	24	2.3797	20.423	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2011	3	25	4.5671	124.363	6.8800	4.9123	27.2301	6.43	0.000303
1	1	52	2011	3	26	12.8012	1251.179	6.6500	4.7481	97.7390	4.34	0.003655
1	1	52	2011	3	27	8.8481	240.936	6.6500	4.7481	27.2301	6.19	0.007008
1	1	52	2011	3	28	0.6588	28.970	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	53	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	53	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	53	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547

1	1	53	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	53	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	53	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	53	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	53	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	53	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	53	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	53	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	53	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	53	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	53	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	53	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	53	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	53	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	53	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	53	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	53	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	53	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	53	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	53	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2011	1	1	0.3376	10.131	7.2800	5.3799	30.0117	24.09	0.281246
1	1	53	2011	1	2	0.2077	8.348	8.0600	5.7548	40.1957	18.52	0.101405
1	1	53	2011	1	3	0.2419	9.725	8.0600	5.7548	40.1957	18.52	0.337320
1	1	53	2011	1	4	0.5319	20.114	8.0600	5.7548	37.8166	14.25	0.103547
1	1	53	2011	1	5	0.5886	22.260	8.0600	5.7548	37.8166	14.25	0.047578
1	1	53	2011	1	6	0.2310	8.724	6.8800	4.9123	37.7707	10.10	0.027524
1	1	53	2011	1	7	0.2311	8.729	6.8800	4.9123	37.7707	9.36	0.000969
1	1	53	2011	1	8	0.2148	7.841	6.8800	4.9123	36.4932	9.33	0.000281
1	1	53	2011	1	9	0.2326	8.487	6.8800	4.9123	36.4931	8.00	0.000959
1	1	53	2011	1	10	0.2318	8.459	6.8800	4.9123	36.4932	8.12	0.001996
1	1	53	2011	1	11	0.2492	9.094	6.8800	4.9123	36.4932	7.44	0.000819
1	1	53	2011	1	12	0.2595	9.471	6.8800	4.9123	36.4932	7.05	0.000002
1	1	53	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2011	1	14	0.1046	3.139	7.2800	5.1979	30.0117	32.28	0.000028
1	1	53	2011	1	15	0.0750	3.619	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2011	1	16	0.0961	4.329	6.6500	4.7481	45.0549	12.93	0.008198
1	1	53	2011	1	17	0.1048	4.954	6.6500	4.7481	47.2522	11.65	0.002544
1	1	53	2011	1	18	0.1369	7.760	6.6500	4.7481	56.6821	10.18	0.002699
1	1	53	2011	1	19	0.1518	8.604	6.6500	4.7481	56.6821	9.86	0.001293
1	1	53	2011	1	20	0.1795	11.625	6.6500	4.7481	64.7605	8.70	0.006032
1	1	53	2011	1	21	0.2198	14.232	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2011	1	22	0.2298	29.927	6.6500	4.7481	130.2221	6.58	0.010278
1	1	53	2011	1	23	0.2706	53.530	6.6500	4.7481	197.8148	6.28	0.036527

1	1	53	2011	1	24	1.8080	15.517	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2011	1	25	0.3895	10.605	6.8800	4.9123	27.2301	6.43	0.000303
1	1	53	2011	1	26	0.2099	20.520	6.6500	4.7481	97.7390	4.34	0.003655
1	1	53	2011	1	27	0.3249	8.847	6.6500	4.7481	27.2301	6.19	0.007008
1	1	53	2011	1	28	0.2623	11.532	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2011	2	1	12.8999	387.147	7.2800	5.3799	30.0117	24.09	0.281246
1	1	53	2011	2	2	10.6025	426.176	8.0600	5.7548	40.1957	18.52	0.101405
1	1	53	2011	2	3	11.2543	452.375	8.0600	5.7548	40.1957	18.52	0.337320
1	1	53	2011	2	4	16.3589	618.637	8.0600	5.7548	37.8166	14.25	0.103547
1	1	53	2011	2	5	16.6589	629.985	8.0600	5.7548	37.8166	14.25	0.047578
1	1	53	2011	2	6	5.6773	214.437	6.8800	4.9123	37.7707	10.10	0.027524
1	1	53	2011	2	7	6.3008	237.986	6.8800	4.9123	37.7707	9.36	0.000969
1	1	53	2011	2	8	6.0912	222.287	6.8800	4.9123	36.4932	9.33	0.000281
1	1	53	2011	2	9	7.0987	259.052	6.8800	4.9123	36.4931	8.00	0.000959
1	1	53	2011	2	10	7.0333	256.668	6.8800	4.9123	36.4932	8.12	0.001996
1	1	53	2011	2	11	8.3369	304.238	6.8800	4.9123	36.4932	7.44	0.000819
1	1	53	2011	2	12	8.8856	324.262	6.8800	4.9123	36.4932	7.05	0.000002
1	1	53	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2011	2	14	0.6637	19.918	7.2800	5.1979	30.0117	32.28	0.000028
1	1	53	2011	2	15	0.2836	13.693	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2011	2	16	0.3830	17.254	6.6500	4.7481	45.0549	12.93	0.008198
1	1	53	2011	2	17	0.4066	19.215	6.6500	4.7481	47.2522	11.65	0.002544
1	1	53	2011	2	18	0.5748	32.583	6.6500	4.7481	56.6821	10.18	0.002699
1	1	53	2011	2	19	0.6201	35.146	6.6500	4.7481	56.6821	9.86	0.001293
1	1	53	2011	2	20	0.5950	38.531	6.6500	4.7481	64.7605	8.70	0.006032
1	1	53	2011	2	21	0.7325	47.435	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2011	2	22	0.9568	124.591	6.6500	4.7481	130.2221	6.58	0.010278
1	1	53	2011	2	23	1.2060	238.572	6.6500	4.7481	197.8148	6.28	0.036527
1	1	53	2011	2	24	9.8562	84.588	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2011	2	25	10.1215	275.609	6.8800	4.9123	27.2301	6.43	0.000303
1	1	53	2011	2	26	1.8745	183.213	6.6500	4.7481	97.7390	4.34	0.003655
1	1	53	2011	2	27	1.1339	30.876	6.6500	4.7481	27.2301	6.19	0.007008
1	1	53	2011	2	28	0.4928	21.671	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2011	3	1	0.5088	15.270	7.2800	5.3799	30.0117	24.09	0.281246
1	1	53	2011	3	2	0.3603	14.481	8.0600	5.7548	40.1957	18.52	0.101405
1	1	53	2011	3	3	0.5494	22.083	8.0600	5.7548	40.1957	18.52	0.337320
1	1	53	2011	3	4	1.0495	39.689	8.0600	5.7548	37.8166	14.25	0.103547
1	1	53	2011	3	5	1.4415	54.513	8.0600	5.7548	37.8166	14.25	0.047578
1	1	53	2011	3	6	2.2021	83.176	6.8800	4.9123	37.7707	10.10	0.027524
1	1	53	2011	3	7	2.3282	87.937	6.8800	4.9123	37.7707	9.36	0.000969
1	1	53	2011	3	8	2.0554	75.007	6.8800	4.9123	36.4932	9.33	0.000281
1	1	53	2011	3	9	2.3850	87.035	6.8800	4.9123	36.4931	8.00	0.000959
1	1	53	2011	3	10	2.3697	86.478	6.8800	4.9123	36.4932	8.12	0.001996
1	1	53	2011	3	11	2.6134	95.370	6.8800	4.9123	36.4932	7.44	0.000819
1	1	53	2011	3	12	2.7902	101.821	6.8800	4.9123	36.4932	7.05	0.000002
1	1	53	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2011	3	14	0.3070	9.215	7.2800	5.1979	30.0117	32.28	0.000028

1	1	53	2011	3	15	0.1972	9.524	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	53	2011	3	16	2.4961	112.461	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	53	2011	3	17	2.6287	124.211	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	53	2011	3	18	3.6320	205.872	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	53	2011	3	19	3.9268	222.580	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	53	2011	3	20	4.5364	293.780	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	53	2011	3	21	5.6047	362.966	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	53	2011	3	22	6.3576	827.900	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	53	2011	3	23	7.6255	1508.446	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	53	2011	3	24	2.4276	20.834	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	53	2011	3	25	4.6000	125.260	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	53	2011	3	26	13.3149	1301.387	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	53	2011	3	27	9.2030	250.600	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	53	2011	3	28	0.6839	30.074	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	54	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	54	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	54	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	54	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	54	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	54	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	54	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	54	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	54	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	54	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	54	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	54	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	54	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	54	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	54	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	54	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	54	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	54	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	54	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	54	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	54	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	54	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	54	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	54	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	54	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	54	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	54	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	54	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	54	2011	1	1	0.3367	10.104	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	54	2011	1	2	0.2075	8.342	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	54	2011	1	3	0.2419	9.722	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	54	2011	1	4	0.5300	20.043	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	54	2011	1	5	0.5866	22.185	8.0600	5.7548	37.8166	14.25
0.047578											

1	1	54	2011	1	6	0.2296	8.673	6.8800	4.9123	37.7707	10.10	0.027524
1	1	54	2011	1	7	0.2297	8.678	6.8800	4.9123	37.7707	9.36	0.000969
1	1	54	2011	1	8	0.2137	7.799	6.8800	4.9123	36.4932	9.33	0.000281
1	1	54	2011	1	9	0.2314	8.445	6.8800	4.9123	36.4931	8.00	0.000959
1	1	54	2011	1	10	0.2306	8.416	6.8800	4.9123	36.4932	8.12	0.001996
1	1	54	2011	1	11	0.2480	9.050	6.8800	4.9123	36.4932	7.44	0.000819
1	1	54	2011	1	12	0.2583	9.426	6.8800	4.9123	36.4932	7.05	0.000002
1	1	54	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2011	1	14	0.1043	3.131	7.2800	5.1979	30.0117	32.28	0.000028
1	1	54	2011	1	15	0.0747	3.609	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2011	1	16	0.0956	4.309	6.6500	4.7481	45.0549	12.93	0.008198
1	1	54	2011	1	17	0.1044	4.931	6.6500	4.7481	47.2522	11.65	0.002544
1	1	54	2011	1	18	0.1363	7.725	6.6500	4.7481	56.6821	10.18	0.002699
1	1	54	2011	1	19	0.1511	8.565	6.6500	4.7481	56.6821	9.86	0.001293
1	1	54	2011	1	20	0.1787	11.572	6.6500	4.7481	64.7605	8.70	0.006032
1	1	54	2011	1	21	0.2188	14.167	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2011	1	22	0.2288	29.792	6.6500	4.7481	130.2221	6.58	0.010278
1	1	54	2011	1	23	0.2694	53.288	6.6500	4.7481	197.8148	6.28	0.036527
1	1	54	2011	1	24	1.8775	16.114	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2011	1	25	0.3870	10.538	6.8800	4.9123	27.2301	6.43	0.000303
1	1	54	2011	1	26	0.2090	20.427	6.6500	4.7481	97.7390	4.34	0.003655
1	1	54	2011	1	27	0.3234	8.807	6.6500	4.7481	27.2301	6.19	0.007008
1	1	54	2011	1	28	0.2615	11.501	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2011	2	1	12.9658	389.127	7.2800	5.3799	30.0117	24.09	0.281246
1	1	54	2011	2	2	10.6623	428.580	8.0600	5.7548	40.1957	18.52	0.101405
1	1	54	2011	2	3	11.3188	454.969	8.0600	5.7548	40.1957	18.52	0.337320
1	1	54	2011	2	4	16.4556	622.295	8.0600	5.7548	37.8166	14.25	0.103547
1	1	54	2011	2	5	16.7569	633.690	8.0600	5.7548	37.8166	14.25	0.047578
1	1	54	2011	2	6	5.8514	221.012	6.8800	4.9123	37.7707	10.10	0.027524
1	1	54	2011	2	7	6.4940	245.283	6.8800	4.9123	37.7707	9.36	0.000969
1	1	54	2011	2	8	6.2780	229.102	6.8800	4.9123	36.4932	9.33	0.000281
1	1	54	2011	2	9	7.3163	266.995	6.8800	4.9123	36.4931	8.00	0.000959
1	1	54	2011	2	10	7.2490	264.538	6.8800	4.9123	36.4932	8.12	0.001996
1	1	54	2011	2	11	8.5925	313.566	6.8800	4.9123	36.4932	7.44	0.000819
1	1	54	2011	2	12	9.1580	334.204	6.8800	4.9123	36.4932	7.05	0.000002
1	1	54	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2011	2	14	0.6698	20.103	7.2800	5.1979	30.0117	32.28	0.000028
1	1	54	2011	2	15	0.2865	13.834	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2011	2	16	0.3897	17.559	6.6500	4.7481	45.0549	12.93	0.008198
1	1	54	2011	2	17	0.4138	19.554	6.6500	4.7481	47.2522	11.65	0.002544
1	1	54	2011	2	18	0.5850	33.157	6.6500	4.7481	56.6821	10.18	0.002699
1	1	54	2011	2	19	0.6310	35.766	6.6500	4.7481	56.6821	9.86	0.001293
1	1	54	2011	2	20	0.6055	39.210	6.6500	4.7481	64.7605	8.70	0.006032
1	1	54	2011	2	21	0.7454	48.271	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2011	2	22	0.9736	126.787	6.6500	4.7481	130.2221	6.58	0.010278
1	1	54	2011	2	23	1.2273	242.776	6.6500	4.7481	197.8148	6.28	0.036527
1	1	54	2011	2	24	10.9595	94.057	1.3500	0.9639	8.5822	50.00	0.002374

1	1	54	2011	2	25	10.4318	284.059	6.8800	4.9123	27.2301	6.43	0.000303
1	1	54	2011	2	26	1.9075	186.441	6.6500	4.7481	97.7390	4.34	0.003655
1	1	54	2011	2	27	1.1539	31.420	6.6500	4.7481	27.2301	6.19	0.007008
1	1	54	2011	2	28	0.4976	21.880	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2011	3	1	0.5114	15.349	7.2800	5.3799	30.0117	24.09	0.281246
1	1	54	2011	3	2	0.3624	14.566	8.0600	5.7548	40.1957	18.52	0.101405
1	1	54	2011	3	3	0.5519	22.186	8.0600	5.7548	40.1957	18.52	0.337320
1	1	54	2011	3	4	1.0534	39.835	8.0600	5.7548	37.8166	14.25	0.103547
1	1	54	2011	3	5	1.4457	54.671	8.0600	5.7548	37.8166	14.25	0.047578
1	1	54	2011	3	6	2.2173	83.751	6.8800	4.9123	37.7707	10.10	0.027524
1	1	54	2011	3	7	2.3443	88.545	6.8800	4.9123	37.7707	9.36	0.000969
1	1	54	2011	3	8	2.0696	75.525	6.8800	4.9123	36.4932	9.33	0.000281
1	1	54	2011	3	9	2.4015	87.637	6.8800	4.9123	36.4931	8.00	0.000959
1	1	54	2011	3	10	2.3861	87.075	6.8800	4.9123	36.4932	8.12	0.001996
1	1	54	2011	3	11	2.6314	96.028	6.8800	4.9123	36.4932	7.44	0.000819
1	1	54	2011	3	12	2.8094	102.525	6.8800	4.9123	36.4932	7.05	0.000002
1	1	54	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2011	3	14	0.3178	9.539	7.2800	5.1979	30.0117	32.28	0.000028
1	1	54	2011	3	15	0.2042	9.861	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2011	3	16	2.5871	116.561	6.6500	4.7481	45.0549	12.93	0.008198
1	1	54	2011	3	17	2.7245	128.739	6.6500	4.7481	47.2522	11.65	0.002544
1	1	54	2011	3	18	3.7645	213.377	6.6500	4.7481	56.6821	10.18	0.002699
1	1	54	2011	3	19	4.0700	230.694	6.6500	4.7481	56.6821	9.86	0.001293
1	1	54	2011	3	20	4.7040	304.632	6.6500	4.7481	64.7605	8.70	0.006032
1	1	54	2011	3	21	5.8118	376.374	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2011	3	22	6.5855	857.583	6.6500	4.7481	130.2221	6.58	0.010278
1	1	54	2011	3	23	7.8949	1561.726	6.6500	4.7481	197.8148	6.28	0.036527
1	1	54	2011	3	24	2.4738	21.230	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2011	3	25	4.6318	126.125	6.8800	4.9123	27.2301	6.43	0.000303
1	1	54	2011	3	26	13.8106	1349.834	6.6500	4.7481	97.7390	4.34	0.003655
1	1	54	2011	3	27	9.5455	259.924	6.6500	4.7481	27.2301	6.19	0.007008
1	1	54	2011	3	28	0.7081	31.139	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	55	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	55	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	55	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	55	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	55	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	55	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	55	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	55	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	55	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	55	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	55	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	55	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	55	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518

1	1	55	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	55	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	55	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	55	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	55	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	55	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	55	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	55	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	55	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	55	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	55	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2011	1	1	0.3358	10.077	7.2800	5.3799	30.0117	24.09	0.281246
1	1	55	2011	1	2	0.2074	8.337	8.0600	5.7548	40.1957	18.52	0.101405
1	1	55	2011	1	3	0.2418	9.719	8.0600	5.7548	40.1957	18.52	0.337320
1	1	55	2011	1	4	0.5282	19.975	8.0600	5.7548	37.8166	14.25	0.103547
1	1	55	2011	1	5	0.5847	22.113	8.0600	5.7548	37.8166	14.25	0.047578
1	1	55	2011	1	6	0.2283	8.623	6.8800	4.9123	37.7707	10.10	0.027524
1	1	55	2011	1	7	0.2284	8.628	6.8800	4.9123	37.7707	9.36	0.000969
1	1	55	2011	1	8	0.2126	7.758	6.8800	4.9123	36.4932	9.33	0.000281
1	1	55	2011	1	9	0.2303	8.403	6.8800	4.9123	36.4931	8.00	0.000959
1	1	55	2011	1	10	0.2295	8.374	6.8800	4.9123	36.4932	8.12	0.001996
1	1	55	2011	1	11	0.2468	9.008	6.8800	4.9123	36.4932	7.44	0.000819
1	1	55	2011	1	12	0.2571	9.383	6.8800	4.9123	36.4932	7.05	0.000002
1	1	55	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2011	1	14	0.1041	3.124	7.2800	5.1979	30.0117	32.28	0.000028
1	1	55	2011	1	15	0.0745	3.600	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2011	1	16	0.0952	4.290	6.6500	4.7481	45.0549	12.93	0.008198
1	1	55	2011	1	17	0.1039	4.910	6.6500	4.7481	47.2522	11.65	0.002544
1	1	55	2011	1	18	0.1357	7.691	6.6500	4.7481	56.6821	10.18	0.002699
1	1	55	2011	1	19	0.1504	8.527	6.6500	4.7481	56.6821	9.86	0.001293
1	1	55	2011	1	20	0.1779	11.522	6.6500	4.7481	64.7605	8.70	0.006032
1	1	55	2011	1	21	0.2178	14.105	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2011	1	22	0.2278	29.661	6.6500	4.7481	130.2221	6.58	0.010278
1	1	55	2011	1	23	0.2682	53.054	6.6500	4.7481	197.8148	6.28	0.036527
1	1	55	2011	1	24	1.9447	16.690	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2011	1	25	0.3847	10.474	6.8800	4.9123	27.2301	6.43	0.000303
1	1	55	2011	1	26	0.2081	20.337	6.6500	4.7481	97.7390	4.34	0.003655
1	1	55	2011	1	27	0.3220	8.768	6.6500	4.7481	27.2301	6.19	0.007008
1	1	55	2011	1	28	0.2609	11.471	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2011	2	1	13.0295	391.038	7.2800	5.3799	30.0117	24.09	0.281246
1	1	55	2011	2	2	10.7201	430.901	8.0600	5.7548	40.1957	18.52	0.101405
1	1	55	2011	2	3	11.3812	457.473	8.0600	5.7548	40.1957	18.52	0.337320
1	1	55	2011	2	4	16.5490	625.826	8.0600	5.7548	37.8166	14.25	0.103547
1	1	55	2011	2	5	16.8515	637.267	8.0600	5.7548	37.8166	14.25	0.047578
1	1	55	2011	2	6	6.0195	227.360	6.8800	4.9123	37.7707	10.10	0.027524

1	1	55	2011	2	7	6.6805	252.328	6.8800	4.9123	37.7707	9.36	0.000969
1	1	55	2011	2	8	6.4583	235.683	6.8800	4.9123	36.4932	9.33	0.000281
1	1	55	2011	2	9	7.5265	274.664	6.8800	4.9123	36.4931	8.00	0.000959
1	1	55	2011	2	10	7.4572	272.136	6.8800	4.9123	36.4932	8.12	0.001996
1	1	55	2011	2	11	8.8393	322.573	6.8800	4.9123	36.4932	7.44	0.000819
1	1	55	2011	2	12	9.4210	343.804	6.8800	4.9123	36.4932	7.05	0.000002
1	1	55	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2011	2	14	0.6758	20.281	7.2800	5.1979	30.0117	32.28	0.000028
1	1	55	2011	2	15	0.2893	13.970	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2011	2	16	0.3962	17.852	6.6500	4.7481	45.0549	12.93	0.008198
1	1	55	2011	2	17	0.4207	19.881	6.6500	4.7481	47.2522	11.65	0.002544
1	1	55	2011	2	18	0.5947	33.711	6.6500	4.7481	56.6821	10.18	0.002699
1	1	55	2011	2	19	0.6415	36.364	6.6500	4.7481	56.6821	9.86	0.001293
1	1	55	2011	2	20	0.6156	39.865	6.6500	4.7481	64.7605	8.70	0.006032
1	1	55	2011	2	21	0.7578	49.078	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2011	2	22	0.9899	128.907	6.6500	4.7481	130.2221	6.58	0.010278
1	1	55	2011	2	23	1.2478	246.835	6.6500	4.7481	197.8148	6.28	0.036527
1	1	55	2011	2	24	12.0247	103.199	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2011	2	25	10.7314	292.218	6.8800	4.9123	27.2301	6.43	0.000303
1	1	55	2011	2	26	1.9394	189.559	6.6500	4.7481	97.7390	4.34	0.003655
1	1	55	2011	2	27	1.1732	31.946	6.6500	4.7481	27.2301	6.19	0.007008
1	1	55	2011	2	28	0.5022	22.082	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2011	3	1	0.5140	15.425	7.2800	5.3799	30.0117	24.09	0.281246
1	1	55	2011	3	2	0.3644	14.649	8.0600	5.7548	40.1957	18.52	0.101405
1	1	55	2011	3	3	0.5544	22.285	8.0600	5.7548	40.1957	18.52	0.337320
1	1	55	2011	3	4	1.0571	39.976	8.0600	5.7548	37.8166	14.25	0.103547
1	1	55	2011	3	5	1.4497	54.823	8.0600	5.7548	37.8166	14.25	0.047578
1	1	55	2011	3	6	2.2320	84.305	6.8800	4.9123	37.7707	10.10	0.027524
1	1	55	2011	3	7	2.3598	89.131	6.8800	4.9123	37.7707	9.36	0.000969
1	1	55	2011	3	8	2.0833	76.025	6.8800	4.9123	36.4932	9.33	0.000281
1	1	55	2011	3	9	2.4174	88.217	6.8800	4.9123	36.4931	8.00	0.000959
1	1	55	2011	3	10	2.4019	87.651	6.8800	4.9123	36.4932	8.12	0.001996
1	1	55	2011	3	11	2.6488	96.664	6.8800	4.9123	36.4932	7.44	0.000819
1	1	55	2011	3	12	2.8280	103.204	6.8800	4.9123	36.4932	7.05	0.000002
1	1	55	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2011	3	14	0.3283	9.851	7.2800	5.1979	30.0117	32.28	0.000028
1	1	55	2011	3	15	0.2110	10.186	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2011	3	16	2.6749	120.519	6.6500	4.7481	45.0549	12.93	0.008198
1	1	55	2011	3	17	2.8170	133.111	6.6500	4.7481	47.2522	11.65	0.002544
1	1	55	2011	3	18	3.8923	220.624	6.6500	4.7481	56.6821	10.18	0.002699
1	1	55	2011	3	19	4.2082	238.528	6.6500	4.7481	56.6821	9.86	0.001293
1	1	55	2011	3	20	4.8658	315.109	6.6500	4.7481	64.7605	8.70	0.006032
1	1	55	2011	3	21	6.0117	389.320	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2011	3	22	6.8056	886.243	6.6500	4.7481	130.2221	6.58	0.010278
1	1	55	2011	3	23	8.1549	1613.168	6.6500	4.7481	197.8148	6.28	0.036527
1	1	55	2011	3	24	2.5184	21.613	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2011	3	25	4.6625	126.960	6.8800	4.9123	27.2301	6.43	0.000303

1	1	55	2011	3	26	14.2892	1396.611	6.6500	4.7481	97.7390	4.34	0.003655
1	1	55	2011	3	27	9.8761	268.927	6.6500	4.7481	27.2301	6.19	0.007008
1	1	55	2011	3	28	0.7315	32.167	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	56	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	56	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	56	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	56	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	56	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	56	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	56	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	56	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	56	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	56	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	56	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	56	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	56	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	56	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	56	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	56	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	56	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	56	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	56	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	56	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	56	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	56	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	56	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2011	1	1	0.3349	10.051	7.2800	5.3799	30.0117	24.09	0.281246
1	1	56	2011	1	2	0.2073	8.331	8.0600	5.7548	40.1957	18.52	0.101405
1	1	56	2011	1	3	0.2417	9.717	8.0600	5.7548	40.1957	18.52	0.337320
1	1	56	2011	1	4	0.5265	19.909	8.0600	5.7548	37.8166	14.25	0.103547
1	1	56	2011	1	5	0.5829	22.043	8.0600	5.7548	37.8166	14.25	0.047578
1	1	56	2011	1	6	0.2270	8.574	6.8800	4.9123	37.7707	10.10	0.027524
1	1	56	2011	1	7	0.2271	8.580	6.8800	4.9123	37.7707	9.36	0.000969
1	1	56	2011	1	8	0.2115	7.719	6.8800	4.9123	36.4932	9.33	0.000281
1	1	56	2011	1	9	0.2292	8.363	6.8800	4.9123	36.4931	8.00	0.000959
1	1	56	2011	1	10	0.2284	8.335	6.8800	4.9123	36.4932	8.12	0.001996
1	1	56	2011	1	11	0.2457	8.967	6.8800	4.9123	36.4932	7.44	0.000819
1	1	56	2011	1	12	0.2560	9.342	6.8800	4.9123	36.4932	7.05	0.000002
1	1	56	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2011	1	14	0.1038	3.117	7.2800	5.1979	30.0117	32.28	0.000028
1	1	56	2011	1	15	0.0744	3.590	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2011	1	16	0.0948	4.272	6.6500	4.7481	45.0549	12.93	0.008198

1	1	56	2011	1	17	0.1035	4.889	6.6500	4.7481	47.2522	11.65	0.002544
1	1	56	2011	1	18	0.1351	7.658	6.6500	4.7481	56.6821	10.18	0.002699
1	1	56	2011	1	19	0.1498	8.491	6.6500	4.7481	56.6821	9.86	0.001293
1	1	56	2011	1	20	0.1772	11.473	6.6500	4.7481	64.7605	8.70	0.006032
1	1	56	2011	1	21	0.2169	14.045	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2011	1	22	0.2268	29.535	6.6500	4.7481	130.2221	6.58	0.010278
1	1	56	2011	1	23	0.2671	52.828	6.6500	4.7481	197.8148	6.28	0.036527
1	1	56	2011	1	24	2.0096	17.247	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2011	1	25	0.3824	10.412	6.8800	4.9123	27.2301	6.43	0.000303
1	1	56	2011	1	26	0.2072	20.251	6.6500	4.7481	97.7390	4.34	0.003655
1	1	56	2011	1	27	0.3206	8.731	6.6500	4.7481	27.2301	6.19	0.007008
1	1	56	2011	1	28	0.2602	11.443	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2011	2	1	13.0910	392.884	7.2800	5.3799	30.0117	24.09	0.281246
1	1	56	2011	2	2	10.7759	433.143	8.0600	5.7548	40.1957	18.52	0.101405
1	1	56	2011	2	3	11.4414	459.893	8.0600	5.7548	40.1957	18.52	0.337320
1	1	56	2011	2	4	16.6392	629.238	8.0600	5.7548	37.8166	14.25	0.103547
1	1	56	2011	2	5	16.9429	640.722	8.0600	5.7548	37.8166	14.25	0.047578
1	1	56	2011	2	6	6.1819	233.493	6.8800	4.9123	37.7707	10.10	0.027524
1	1	56	2011	2	7	6.8607	259.135	6.8800	4.9123	37.7707	9.36	0.000969
1	1	56	2011	2	8	6.6325	242.040	6.8800	4.9123	36.4932	9.33	0.000281
1	1	56	2011	2	9	7.7295	282.073	6.8800	4.9123	36.4931	8.00	0.000959
1	1	56	2011	2	10	7.6583	279.477	6.8800	4.9123	36.4932	8.12	0.001996
1	1	56	2011	2	11	9.0777	331.274	6.8800	4.9123	36.4932	7.44	0.000819
1	1	56	2011	2	12	9.6752	353.077	6.8800	4.9123	36.4932	7.05	0.000002
1	1	56	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2011	2	14	0.6815	20.453	7.2800	5.1979	30.0117	32.28	0.000028
1	1	56	2011	2	15	0.2921	14.102	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2011	2	16	0.4025	18.136	6.6500	4.7481	45.0549	12.93	0.008198
1	1	56	2011	2	17	0.4274	20.196	6.6500	4.7481	47.2522	11.65	0.002544
1	1	56	2011	2	18	0.6042	34.247	6.6500	4.7481	56.6821	10.18	0.002699
1	1	56	2011	2	19	0.6517	36.942	6.6500	4.7481	56.6821	9.86	0.001293
1	1	56	2011	2	20	0.6254	40.499	6.6500	4.7481	64.7605	8.70	0.006032
1	1	56	2011	2	21	0.7699	49.857	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2011	2	22	1.0056	130.955	6.6500	4.7481	130.2221	6.58	0.010278
1	1	56	2011	2	23	1.2676	250.757	6.6500	4.7481	197.8148	6.28	0.036527
1	1	56	2011	2	24	13.0539	112.031	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2011	2	25	11.0209	300.100	6.8800	4.9123	27.2301	6.43	0.000303
1	1	56	2011	2	26	1.9702	192.570	6.6500	4.7481	97.7390	4.34	0.003655
1	1	56	2011	2	27	1.1918	32.453	6.6500	4.7481	27.2301	6.19	0.007008
1	1	56	2011	2	28	0.5066	22.277	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2011	3	1	0.5164	15.498	7.2800	5.3799	30.0117	24.09	0.281246
1	1	56	2011	3	2	0.3664	14.728	8.0600	5.7548	40.1957	18.52	0.101405
1	1	56	2011	3	3	0.5568	22.380	8.0600	5.7548	40.1957	18.52	0.337320
1	1	56	2011	3	4	1.0607	40.112	8.0600	5.7548	37.8166	14.25	0.103547
1	1	56	2011	3	5	1.4536	54.970	8.0600	5.7548	37.8166	14.25	0.047578
1	1	56	2011	3	6	2.2462	84.841	6.8800	4.9123	37.7707	10.10	0.027524
1	1	56	2011	3	7	2.3748	89.697	6.8800	4.9123	37.7707	9.36	0.000969

1	1	56	2011	3	8	2.0965	76.508	6.8800	4.9123	36.4932	9.33	0.000281
1	1	56	2011	3	9	2.4327	88.778	6.8800	4.9123	36.4931	8.00	0.000959
1	1	56	2011	3	10	2.4171	88.208	6.8800	4.9123	36.4932	8.12	0.001996
1	1	56	2011	3	11	2.6657	97.279	6.8800	4.9123	36.4932	7.44	0.000819
1	1	56	2011	3	12	2.8460	103.859	6.8800	4.9123	36.4932	7.05	0.000002
1	1	56	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2011	3	14	0.3383	10.154	7.2800	5.1979	30.0117	32.28	0.000028
1	1	56	2011	3	15	0.2175	10.501	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2011	3	16	2.7598	124.344	6.6500	4.7481	45.0549	12.93	0.008198
1	1	56	2011	3	17	2.9064	137.335	6.6500	4.7481	47.2522	11.65	0.002544
1	1	56	2011	3	18	4.0158	227.624	6.6500	4.7481	56.6821	10.18	0.002699
1	1	56	2011	3	19	4.3417	246.097	6.6500	4.7481	56.6821	9.86	0.001293
1	1	56	2011	3	20	5.0221	325.232	6.6500	4.7481	64.7605	8.70	0.006032
1	1	56	2011	3	21	6.2048	401.827	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2011	3	22	7.0182	913.931	6.6500	4.7481	130.2221	6.58	0.010278
1	1	56	2011	3	23	8.4062	1662.867	6.6500	4.7481	197.8148	6.28	0.036527
1	1	56	2011	3	24	2.5615	21.983	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2011	3	25	4.6921	127.767	6.8800	4.9123	27.2301	6.43	0.000303
1	1	56	2011	3	26	14.7515	1441.801	6.6500	4.7481	97.7390	4.34	0.003655
1	1	56	2011	3	27	10.1955	277.625	6.6500	4.7481	27.2301	6.19	0.007008
1	1	56	2011	3	28	0.7541	33.161	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	57	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	57	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	57	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	57	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	57	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	57	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	57	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	57	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	57	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	57	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	57	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	57	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	57	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	57	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	57	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	57	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	57	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	57	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	57	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	57	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	57	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655

1	1	57	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	57	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2011	1	1	0.3341	10.027	7.2800	5.3799	30.0117	24.09	0.281246
1	1	57	2011	1	2	0.2071	8.326	8.0600	5.7548	40.1957	18.52	0.101405
1	1	57	2011	1	3	0.2417	9.714	8.0600	5.7548	40.1957	18.52	0.337320
1	1	57	2011	1	4	0.5248	19.846	8.0600	5.7548	37.8166	14.25	0.103547
1	1	57	2011	1	5	0.5811	21.975	8.0600	5.7548	37.8166	14.25	0.047578
1	1	57	2011	1	6	0.2258	8.528	6.8800	4.9123	37.7707	10.10	0.027524
1	1	57	2011	1	7	0.2259	8.533	6.8800	4.9123	37.7707	9.36	0.000969
1	1	57	2011	1	8	0.2105	7.682	6.8800	4.9123	36.4932	9.33	0.000281
1	1	57	2011	1	9	0.2281	8.325	6.8800	4.9123	36.4931	8.00	0.000959
1	1	57	2011	1	10	0.2273	8.296	6.8800	4.9123	36.4932	8.12	0.001996
1	1	57	2011	1	11	0.2446	8.927	6.8800	4.9123	36.4932	7.44	0.000819
1	1	57	2011	1	12	0.2549	9.302	6.8800	4.9123	36.4932	7.05	0.000002
1	1	57	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2011	1	14	0.1036	3.110	7.2800	5.1979	30.0117	32.28	0.000028
1	1	57	2011	1	15	0.0742	3.581	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2011	1	16	0.0944	4.254	6.6500	4.7481	45.0549	12.93	0.008198
1	1	57	2011	1	17	0.1030	4.869	6.6500	4.7481	47.2522	11.65	0.002544
1	1	57	2011	1	18	0.1345	7.626	6.6500	4.7481	56.6821	10.18	0.002699
1	1	57	2011	1	19	0.1492	8.456	6.6500	4.7481	56.6821	9.86	0.001293
1	1	57	2011	1	20	0.1764	11.425	6.6500	4.7481	64.7605	8.70	0.006032
1	1	57	2011	1	21	0.2160	13.987	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2011	1	22	0.2259	29.413	6.6500	4.7481	130.2221	6.58	0.010278
1	1	57	2011	1	23	0.2660	52.610	6.6500	4.7481	197.8148	6.28	0.036527
1	1	57	2011	1	24	2.0723	17.785	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2011	1	25	0.3802	10.352	6.8800	4.9123	27.2301	6.43	0.000303
1	1	57	2011	1	26	0.2063	20.167	6.6500	4.7481	97.7390	4.34	0.003655
1	1	57	2011	1	27	0.3193	8.695	6.6500	4.7481	27.2301	6.19	0.007008
1	1	57	2011	1	28	0.2596	11.415	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2011	2	1	13.1505	394.669	7.2800	5.3799	30.0117	24.09	0.281246
1	1	57	2011	2	2	10.8298	435.311	8.0600	5.7548	40.1957	18.52	0.101405
1	1	57	2011	2	3	11.4995	462.232	8.0600	5.7548	40.1957	18.52	0.337320
1	1	57	2011	2	4	16.7264	632.536	8.0600	5.7548	37.8166	14.25	0.103547
1	1	57	2011	2	5	17.0312	644.062	8.0600	5.7548	37.8166	14.25	0.047578
1	1	57	2011	2	6	6.3388	239.421	6.8800	4.9123	37.7707	10.10	0.027524
1	1	57	2011	2	7	7.0349	265.714	6.8800	4.9123	37.7707	9.36	0.000969
1	1	57	2011	2	8	6.8009	248.186	6.8800	4.9123	36.4932	9.33	0.000281
1	1	57	2011	2	9	7.9257	289.235	6.8800	4.9123	36.4931	8.00	0.000959
1	1	57	2011	2	10	7.8528	286.573	6.8800	4.9123	36.4932	8.12	0.001996
1	1	57	2011	2	11	9.3082	339.685	6.8800	4.9123	36.4932	7.44	0.000819
1	1	57	2011	2	12	9.9208	362.042	6.8800	4.9123	36.4932	7.05	0.000002
1	1	57	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2011	2	14	0.6870	20.619	7.2800	5.1979	30.0117	32.28	0.000028
1	1	57	2011	2	15	0.2947	14.229	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2011	2	16	0.4086	18.410	6.6500	4.7481	45.0549	12.93	0.008198
1	1	57	2011	2	17	0.4339	20.502	6.6500	4.7481	47.2522	11.65	0.002544

1	1	57	2011	2	18	0.6133	34.765	6.6500	4.7481	56.6821	10.18	0.002699
1	1	57	2011	2	19	0.6616	37.500	6.6500	4.7481	56.6821	9.86	0.001293
1	1	57	2011	2	20	0.6348	41.111	6.6500	4.7481	64.7605	8.70	0.006032
1	1	57	2011	2	21	0.7815	50.611	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2011	2	22	1.0208	132.934	6.6500	4.7481	130.2221	6.58	0.010278
1	1	57	2011	2	23	1.2868	254.548	6.6500	4.7481	197.8148	6.28	0.036527
1	1	57	2011	2	24	14.0487	120.569	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2011	2	25	11.3007	307.720	6.8800	4.9123	27.2301	6.43	0.000303
1	1	57	2011	2	26	2.0000	195.481	6.6500	4.7481	97.7390	4.34	0.003655
1	1	57	2011	2	27	1.2098	32.944	6.6500	4.7481	27.2301	6.19	0.007008
1	1	57	2011	2	28	0.5109	22.466	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2011	3	1	0.5188	15.569	7.2800	5.3799	30.0117	24.09	0.281246
1	1	57	2011	3	2	0.3683	14.805	8.0600	5.7548	40.1957	18.52	0.101405
1	1	57	2011	3	3	0.5591	22.473	8.0600	5.7548	40.1957	18.52	0.337320
1	1	57	2011	3	4	1.0642	40.243	8.0600	5.7548	37.8166	14.25	0.103547
1	1	57	2011	3	5	1.4574	55.113	8.0600	5.7548	37.8166	14.25	0.047578
1	1	57	2011	3	6	2.2599	85.359	6.8800	4.9123	37.7707	10.10	0.027524
1	1	57	2011	3	7	2.3893	90.245	6.8800	4.9123	37.7707	9.36	0.000969
1	1	57	2011	3	8	2.1093	76.975	6.8800	4.9123	36.4932	9.33	0.000281
1	1	57	2011	3	9	2.4476	89.319	6.8800	4.9123	36.4931	8.00	0.000959
1	1	57	2011	3	10	2.4319	88.747	6.8800	4.9123	36.4932	8.12	0.001996
1	1	57	2011	3	11	2.6819	97.872	6.8800	4.9123	36.4932	7.44	0.000819
1	1	57	2011	3	12	2.8634	104.493	6.8800	4.9123	36.4932	7.05	0.000002
1	1	57	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2011	3	14	0.3480	10.446	7.2800	5.1979	30.0117	32.28	0.000028
1	1	57	2011	3	15	0.2238	10.805	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2011	3	16	2.8419	128.040	6.6500	4.7481	45.0549	12.93	0.008198
1	1	57	2011	3	17	2.9928	141.418	6.6500	4.7481	47.2522	11.65	0.002544
1	1	57	2011	3	18	4.1352	234.392	6.6500	4.7481	56.6821	10.18	0.002699
1	1	57	2011	3	19	4.4708	253.413	6.6500	4.7481	56.6821	9.86	0.001293
1	1	57	2011	3	20	5.1732	335.017	6.6500	4.7481	64.7605	8.70	0.006032
1	1	57	2011	3	21	6.3915	413.917	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2011	3	22	7.2238	940.696	6.6500	4.7481	130.2221	6.58	0.010278
1	1	57	2011	3	23	8.6490	1710.909	6.6500	4.7481	197.8148	6.28	0.036527
1	1	57	2011	3	24	2.6031	22.341	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2011	3	25	4.7208	128.547	6.8800	4.9123	27.2301	6.43	0.000303
1	1	57	2011	3	26	15.1985	1485.485	6.6500	4.7481	97.7390	4.34	0.003655
1	1	57	2011	3	27	10.5043	286.032	6.6500	4.7481	27.2301	6.19	0.007008
1	1	57	2011	3	28	0.7759	34.121	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	58	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	58	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	58	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	58	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	58	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	58	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	58	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281

1	1	58	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	58	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	58	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	58	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	58	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	58	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	58	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	58	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	58	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	58	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	58	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	58	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	58	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	58	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	58	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	58	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2011	1	1	0.3334	10.005	7.2800	5.3799	30.0117	24.09	0.281246
1	1	58	2011	1	2	0.2071	8.325	8.0600	5.7548	40.1957	18.52	0.101405
1	1	58	2011	1	3	0.2417	9.716	8.0600	5.7548	40.1957	18.52	0.337320
1	1	58	2011	1	4	0.5231	19.782	8.0600	5.7548	37.8166	14.25	0.103547
1	1	58	2011	1	5	0.5793	21.907	8.0600	5.7548	37.8166	14.25	0.047578
1	1	58	2011	1	6	0.2257	8.526	6.8800	4.9123	37.7707	10.10	0.027524
1	1	58	2011	1	7	0.2259	8.531	6.8800	4.9123	37.7707	9.36	0.000969
1	1	58	2011	1	8	0.2105	7.683	6.8800	4.9123	36.4932	9.33	0.000281
1	1	58	2011	1	9	0.2283	8.330	6.8800	4.9123	36.4931	8.00	0.000959
1	1	58	2011	1	10	0.2275	8.302	6.8800	4.9123	36.4932	8.12	0.001996
1	1	58	2011	1	11	0.2449	8.938	6.8800	4.9123	36.4932	7.44	0.000819
1	1	58	2011	1	12	0.2553	9.315	6.8800	4.9123	36.4932	7.05	0.000002
1	1	58	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2011	1	14	0.1036	3.110	7.2800	5.1979	30.0117	32.28	0.000028
1	1	58	2011	1	15	0.0742	3.581	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2011	1	16	0.0944	4.254	6.6500	4.7481	45.0549	12.93	0.008198
1	1	58	2011	1	17	0.1030	4.869	6.6500	4.7481	47.2522	11.65	0.002544
1	1	58	2011	1	18	0.1345	7.626	6.6500	4.7481	56.6821	10.18	0.002699
1	1	58	2011	1	19	0.1492	8.456	6.6500	4.7481	56.6821	9.86	0.001293
1	1	58	2011	1	20	0.1764	11.425	6.6500	4.7481	64.7605	8.70	0.006032
1	1	58	2011	1	21	0.2160	13.987	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2011	1	22	0.2259	29.413	6.6500	4.7481	130.2221	6.58	0.010278
1	1	58	2011	1	23	0.2660	52.610	6.6500	4.7481	197.8148	6.28	0.036527
1	1	58	2011	1	24	2.1440	18.400	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2011	1	25	0.3802	10.353	6.8800	4.9123	27.2301	6.43	0.000303
1	1	58	2011	1	26	0.2063	20.167	6.6500	4.7481	97.7390	4.34	0.003655
1	1	58	2011	1	27	0.3193	8.695	6.6500	4.7481	27.2301	6.19	0.007008

1	1	58	2011	1	28	0.2596	11.415	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2011	2	1	13.2185	396.709	7.2800	5.3799	30.0117	24.09	0.281246
1	1	58	2011	2	2	10.8914	437.789	8.0600	5.7548	40.1957	18.52	0.101405
1	1	58	2011	2	3	11.5661	464.906	8.0600	5.7548	40.1957	18.52	0.337320
1	1	58	2011	2	4	16.8261	636.306	8.0600	5.7548	37.8166	14.25	0.103547
1	1	58	2011	2	5	17.1322	647.880	8.0600	5.7548	37.8166	14.25	0.047578
1	1	58	2011	2	6	6.6338	250.563	6.8800	4.9123	37.7707	10.10	0.027524
1	1	58	2011	2	7	7.3623	278.079	6.8800	4.9123	37.7707	9.36	0.000969
1	1	58	2011	2	8	7.1174	259.735	6.8800	4.9123	36.4932	9.33	0.000281
1	1	58	2011	2	9	8.2945	302.694	6.8800	4.9123	36.4931	8.00	0.000959
1	1	58	2011	2	10	8.2182	299.908	6.8800	4.9123	36.4932	8.12	0.001996
1	1	58	2011	2	11	9.7413	355.492	6.8800	4.9123	36.4932	7.44	0.000819
1	1	58	2011	2	12	10.3825	378.890	6.8800	4.9123	36.4932	7.05	0.000002
1	1	58	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2011	2	14	0.6979	20.946	7.2800	5.1979	30.0117	32.28	0.000028
1	1	58	2011	2	15	0.2999	14.479	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2011	2	16	0.4206	18.949	6.6500	4.7481	45.0549	12.93	0.008198
1	1	58	2011	2	17	0.4466	21.102	6.6500	4.7481	47.2522	11.65	0.002544
1	1	58	2011	2	18	0.6313	35.783	6.6500	4.7481	56.6821	10.18	0.002699
1	1	58	2011	2	19	0.6810	38.598	6.6500	4.7481	56.6821	9.86	0.001293
1	1	58	2011	2	20	0.6534	42.315	6.6500	4.7481	64.7605	8.70	0.006032
1	1	58	2011	2	21	0.8044	52.093	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2011	2	22	1.0507	136.827	6.6500	4.7481	130.2221	6.58	0.010278
1	1	58	2011	2	23	1.3245	262.002	6.6500	4.7481	197.8148	6.28	0.036527
1	1	58	2011	2	24	15.1859	130.329	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2011	2	25	11.8266	322.039	6.8800	4.9123	27.2301	6.43	0.000303
1	1	58	2011	2	26	2.0586	201.206	6.6500	4.7481	97.7390	4.34	0.003655
1	1	58	2011	2	27	1.2453	33.909	6.6500	4.7481	27.2301	6.19	0.007008
1	1	58	2011	2	28	0.5193	22.837	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2011	3	1	0.5214	15.650	7.2800	5.3799	30.0117	24.09	0.281246
1	1	58	2011	3	2	0.3705	14.893	8.0600	5.7548	40.1957	18.52	0.101405
1	1	58	2011	3	3	0.5617	22.578	8.0600	5.7548	40.1957	18.52	0.337320
1	1	58	2011	3	4	1.0681	40.393	8.0600	5.7548	37.8166	14.25	0.103547
1	1	58	2011	3	5	1.4617	55.275	8.0600	5.7548	37.8166	14.25	0.047578
1	1	58	2011	3	6	2.2756	85.951	6.8800	4.9123	37.7707	10.10	0.027524
1	1	58	2011	3	7	2.4059	90.871	6.8800	4.9123	37.7707	9.36	0.000969
1	1	58	2011	3	8	2.1239	77.509	6.8800	4.9123	36.4932	9.33	0.000281
1	1	58	2011	3	9	2.4645	89.939	6.8800	4.9123	36.4931	8.00	0.000959
1	1	58	2011	3	10	2.4487	89.363	6.8800	4.9123	36.4932	8.12	0.001996
1	1	58	2011	3	11	2.7005	98.551	6.8800	4.9123	36.4932	7.44	0.000819
1	1	58	2011	3	12	2.8832	105.218	6.8800	4.9123	36.4932	7.05	0.000002
1	1	58	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2011	3	14	0.3643	10.933	7.2800	5.1979	30.0117	32.28	0.000028
1	1	58	2011	3	15	0.2343	11.312	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2011	3	16	2.9787	134.207	6.6500	4.7481	45.0549	12.93	0.008198
1	1	58	2011	3	17	3.1370	148.229	6.6500	4.7481	47.2522	11.65	0.002544
1	1	58	2011	3	18	4.3344	245.680	6.6500	4.7481	56.6821	10.18	0.002699

1	1	58	2011	3	19	4.6861	265.618	6.6500	4.7481	56.6821	9.86	0.001293
1	1	58	2011	3	20	5.4252	351.339	6.6500	4.7481	64.7605	8.70	0.006032
1	1	58	2011	3	21	6.7029	434.085	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2011	3	22	7.5666	985.344	6.6500	4.7481	130.2221	6.58	0.010278
1	1	58	2011	3	23	9.0542	1791.050	6.6500	4.7481	197.8148	6.28	0.036527
1	1	58	2011	3	24	2.6508	22.749	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2011	3	25	4.7535	129.438	6.8800	4.9123	27.2301	6.43	0.000303
1	1	58	2011	3	26	15.9441	1558.357	6.6500	4.7481	97.7390	4.34	0.003655
1	1	58	2011	3	27	11.0193	300.058	6.6500	4.7481	27.2301	6.19	0.007008
1	1	58	2011	3	28	0.8124	35.724	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	59	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	59	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	59	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	59	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	59	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	59	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	59	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	59	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	59	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	59	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	59	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	59	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	59	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	59	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	59	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	59	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	59	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	59	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	59	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	59	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	59	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	59	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	59	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2011	1	1	0.3327	9.984	7.2800	5.3799	30.0117	24.09	0.281246
1	1	59	2011	1	2	0.2071	8.323	8.0600	5.7548	40.1957	18.52	0.101405
1	1	59	2011	1	3	0.2418	9.717	8.0600	5.7548	40.1957	18.52	0.337320
1	1	59	2011	1	4	0.5215	19.720	8.0600	5.7548	37.8166	14.25	0.103547
1	1	59	2011	1	5	0.5776	21.841	8.0600	5.7548	37.8166	14.25	0.047578
1	1	59	2011	1	6	0.2257	8.524	6.8800	4.9123	37.7707	10.10	0.027524
1	1	59	2011	1	7	0.2258	8.530	6.8800	4.9123	37.7707	9.36	0.000969
1	1	59	2011	1	8	0.2106	7.684	6.8800	4.9123	36.4932	9.33	0.000281
1	1	59	2011	1	9	0.2284	8.336	6.8800	4.9123	36.4931	8.00	0.000959

1	1	59	2011	1	10	0.2276	8.307	6.8800	4.9123	36.4932	8.12	0.001996
1	1	59	2011	1	11	0.2452	8.947	6.8800	4.9123	36.4932	7.44	0.000819
1	1	59	2011	1	12	0.2556	9.327	6.8800	4.9123	36.4932	7.05	0.000002
1	1	59	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2011	1	14	0.1036	3.110	7.2800	5.1979	30.0117	32.28	0.000028
1	1	59	2011	1	15	0.0742	3.581	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2011	1	16	0.0944	4.254	6.6500	4.7481	45.0549	12.93	0.008198
1	1	59	2011	1	17	0.1030	4.869	6.6500	4.7481	47.2522	11.65	0.002544
1	1	59	2011	1	18	0.1345	7.626	6.6500	4.7481	56.6821	10.18	0.002699
1	1	59	2011	1	19	0.1492	8.456	6.6500	4.7481	56.6821	9.86	0.001293
1	1	59	2011	1	20	0.1764	11.425	6.6500	4.7481	64.7605	8.70	0.006032
1	1	59	2011	1	21	0.2160	13.987	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2011	1	22	0.2259	29.413	6.6500	4.7481	130.2221	6.58	0.010278
1	1	59	2011	1	23	0.2660	52.610	6.6500	4.7481	197.8148	6.28	0.036527
1	1	59	2011	1	24	2.2134	18.996	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2011	1	25	0.3802	10.353	6.8800	4.9123	27.2301	6.43	0.000303
1	1	59	2011	1	26	0.2063	20.167	6.6500	4.7481	97.7390	4.34	0.003655
1	1	59	2011	1	27	0.3193	8.695	6.6500	4.7481	27.2301	6.19	0.007008
1	1	59	2011	1	28	0.2596	11.415	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2011	2	1	13.2843	398.684	7.2800	5.3799	30.0117	24.09	0.281246
1	1	59	2011	2	2	10.9511	440.187	8.0600	5.7548	40.1957	18.52	0.101405
1	1	59	2011	2	3	11.6304	467.493	8.0600	5.7548	40.1957	18.52	0.337320
1	1	59	2011	2	4	16.9226	639.955	8.0600	5.7548	37.8166	14.25	0.103547
1	1	59	2011	2	5	17.2299	651.576	8.0600	5.7548	37.8166	14.25	0.047578
1	1	59	2011	2	6	6.9192	261.345	6.8800	4.9123	37.7707	10.10	0.027524
1	1	59	2011	2	7	7.6791	290.045	6.8800	4.9123	37.7707	9.36	0.000969
1	1	59	2011	2	8	7.4236	270.911	6.8800	4.9123	36.4932	9.33	0.000281
1	1	59	2011	2	9	8.6515	315.719	6.8800	4.9123	36.4931	8.00	0.000959
1	1	59	2011	2	10	8.5718	312.814	6.8800	4.9123	36.4932	8.12	0.001996
1	1	59	2011	2	11	10.1605	370.789	6.8800	4.9123	36.4932	7.44	0.000819
1	1	59	2011	2	12	10.8292	395.193	6.8800	4.9123	36.4932	7.05	0.000002
1	1	59	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2011	2	14	0.7085	21.262	7.2800	5.1979	30.0117	32.28	0.000028
1	1	59	2011	2	15	0.3049	14.721	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2011	2	16	0.4322	19.471	6.6500	4.7481	45.0549	12.93	0.008198
1	1	59	2011	2	17	0.4589	21.683	6.6500	4.7481	47.2522	11.65	0.002544
1	1	59	2011	2	18	0.6487	36.768	6.6500	4.7481	56.6821	10.18	0.002699
1	1	59	2011	2	19	0.6997	39.661	6.6500	4.7481	56.6821	9.86	0.001293
1	1	59	2011	2	20	0.6714	43.480	6.6500	4.7481	64.7605	8.70	0.006032
1	1	59	2011	2	21	0.8265	53.527	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2011	2	22	1.0797	140.594	6.6500	4.7481	130.2221	6.58	0.010278
1	1	59	2011	2	23	1.3609	269.215	6.6500	4.7481	197.8148	6.28	0.036527
1	1	59	2011	2	24	16.2864	139.773	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2011	2	25	12.3355	335.897	6.8800	4.9123	27.2301	6.43	0.000303
1	1	59	2011	2	26	2.1153	206.745	6.6500	4.7481	97.7390	4.34	0.003655
1	1	59	2011	2	27	1.2795	34.842	6.6500	4.7481	27.2301	6.19	0.007008
1	1	59	2011	2	28	0.5275	23.196	8.0600	5.7548	43.9743	17.00	0.002242

1	1	59	2011	3	1	0.5241	15.728	7.2800	5.3799	30.0117	24.09	0.281246
1	1	59	2011	3	2	0.3726	14.978	8.0600	5.7548	40.1957	18.52	0.101405
1	1	59	2011	3	3	0.5643	22.681	8.0600	5.7548	40.1957	18.52	0.337320
1	1	59	2011	3	4	1.0720	40.539	8.0600	5.7548	37.8166	14.25	0.103547
1	1	59	2011	3	5	1.4658	55.433	8.0600	5.7548	37.8166	14.25	0.047578
1	1	59	2011	3	6	2.2908	86.524	6.8800	4.9123	37.7707	10.10	0.027524
1	1	59	2011	3	7	2.4219	91.476	6.8800	4.9123	37.7707	9.36	0.000969
1	1	59	2011	3	8	2.1381	78.026	6.8800	4.9123	36.4932	9.33	0.000281
1	1	59	2011	3	9	2.4810	90.538	6.8800	4.9123	36.4931	8.00	0.000959
1	1	59	2011	3	10	2.4651	89.958	6.8800	4.9123	36.4932	8.12	0.001996
1	1	59	2011	3	11	2.7185	99.208	6.8800	4.9123	36.4932	7.44	0.000819
1	1	59	2011	3	12	2.9024	105.920	6.8800	4.9123	36.4932	7.05	0.000002
1	1	59	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2011	3	14	0.3800	11.404	7.2800	5.1979	30.0117	32.28	0.000028
1	1	59	2011	3	15	0.2444	11.803	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2011	3	16	3.1112	140.175	6.6500	4.7481	45.0549	12.93	0.008198
1	1	59	2011	3	17	3.2765	154.820	6.6500	4.7481	47.2522	11.65	0.002544
1	1	59	2011	3	18	4.5271	256.605	6.6500	4.7481	56.6821	10.18	0.002699
1	1	59	2011	3	19	4.8945	277.429	6.6500	4.7481	56.6821	9.86	0.001293
1	1	59	2011	3	20	5.6691	367.136	6.6500	4.7481	64.7605	8.70	0.006032
1	1	59	2011	3	21	7.0043	453.603	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2011	3	22	7.8984	1028.551	6.6500	4.7481	130.2221	6.58	0.010278
1	1	59	2011	3	23	9.4462	1868.606	6.6500	4.7481	197.8148	6.28	0.036527
1	1	59	2011	3	24	2.6968	23.145	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2011	3	25	4.7852	130.301	6.8800	4.9123	27.2301	6.43	0.000303
1	1	59	2011	3	26	16.6656	1628.878	6.6500	4.7481	97.7390	4.34	0.003655
1	1	59	2011	3	27	11.5178	313.631	6.6500	4.7481	27.2301	6.19	0.007008
1	1	59	2011	3	28	0.8476	37.274	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	60	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	60	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	60	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	60	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	60	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	60	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	60	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	60	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	60	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	60	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	60	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	60	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	60	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	60	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	60	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	60	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293

1	1	60	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	60	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	60	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	60	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	60	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	60	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	60	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2011	1	1	0.3320	9.964	7.2800	5.3799	30.0117	24.09	0.281246
1	1	60	2011	1	2	0.2070	8.322	8.0600	5.7548	40.1957	18.52	0.101405
1	1	60	2011	1	3	0.2418	9.719	8.0600	5.7548	40.1957	18.52	0.337320
1	1	60	2011	1	4	0.5199	19.661	8.0600	5.7548	37.8166	14.25	0.103547
1	1	60	2011	1	5	0.5759	21.778	8.0600	5.7548	37.8166	14.25	0.047578
1	1	60	2011	1	6	0.2256	8.523	6.8800	4.9123	37.7707	10.10	0.027524
1	1	60	2011	1	7	0.2258	8.528	6.8800	4.9123	37.7707	9.36	0.000969
1	1	60	2011	1	8	0.2106	7.685	6.8800	4.9123	36.4932	9.33	0.000281
1	1	60	2011	1	9	0.2286	8.341	6.8800	4.9123	36.4931	8.00	0.000959
1	1	60	2011	1	10	0.2278	8.312	6.8800	4.9123	36.4932	8.12	0.001996
1	1	60	2011	1	11	0.2454	8.957	6.8800	4.9123	36.4932	7.44	0.000819
1	1	60	2011	1	12	0.2559	9.340	6.8800	4.9123	36.4932	7.05	0.000002
1	1	60	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2011	1	14	0.1036	3.110	7.2800	5.1979	30.0117	32.28	0.000028
1	1	60	2011	1	15	0.0742	3.581	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2011	1	16	0.0944	4.254	6.6500	4.7481	45.0549	12.93	0.008198
1	1	60	2011	1	17	0.1030	4.869	6.6500	4.7481	47.2522	11.65	0.002544
1	1	60	2011	1	18	0.1345	7.626	6.6500	4.7481	56.6821	10.18	0.002699
1	1	60	2011	1	19	0.1492	8.456	6.6500	4.7481	56.6821	9.86	0.001293
1	1	60	2011	1	20	0.1764	11.425	6.6500	4.7481	64.7605	8.70	0.006032
1	1	60	2011	1	21	0.2160	13.987	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2011	1	22	0.2259	29.413	6.6500	4.7481	130.2221	6.58	0.010278
1	1	60	2011	1	23	0.2660	52.610	6.6500	4.7481	197.8148	6.28	0.036527
1	1	60	2011	1	24	2.2806	19.573	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2011	1	25	0.3802	10.354	6.8800	4.9123	27.2301	6.43	0.000303
1	1	60	2011	1	26	0.2063	20.167	6.6500	4.7481	97.7390	4.34	0.003655
1	1	60	2011	1	27	0.3193	8.695	6.6500	4.7481	27.2301	6.19	0.007008
1	1	60	2011	1	28	0.2596	11.415	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2011	2	1	13.3480	400.596	7.2800	5.3799	30.0117	24.09	0.281246
1	1	60	2011	2	2	11.0089	442.508	8.0600	5.7548	40.1957	18.52	0.101405
1	1	60	2011	2	3	11.6928	469.998	8.0600	5.7548	40.1957	18.52	0.337320
1	1	60	2011	2	4	17.0160	643.487	8.0600	5.7548	37.8166	14.25	0.103547
1	1	60	2011	2	5	17.3245	655.153	8.0600	5.7548	37.8166	14.25	0.047578
1	1	60	2011	2	6	7.1956	271.784	6.8800	4.9123	37.7707	10.10	0.027524
1	1	60	2011	2	7	7.9859	301.631	6.8800	4.9123	37.7707	9.36	0.000969
1	1	60	2011	2	8	7.7202	281.733	6.8800	4.9123	36.4932	9.33	0.000281
1	1	60	2011	2	9	8.9971	328.331	6.8800	4.9123	36.4931	8.00	0.000959
1	1	60	2011	2	10	8.9143	325.309	6.8800	4.9123	36.4932	8.12	0.001996

1	1	60	2011	2	11	10.5664	385.601	6.8800	4.9123	36.4932	7.44	0.000819
1	1	60	2011	2	12	11.2618	410.980	6.8800	4.9123	36.4932	7.05	0.000002
1	1	60	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2011	2	14	0.7187	21.568	7.2800	5.1979	30.0117	32.28	0.000028
1	1	60	2011	2	15	0.3097	14.956	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2011	2	16	0.4434	19.976	6.6500	4.7481	45.0549	12.93	0.008198
1	1	60	2011	2	17	0.4708	22.246	6.6500	4.7481	47.2522	11.65	0.002544
1	1	60	2011	2	18	0.6655	37.722	6.6500	4.7481	56.6821	10.18	0.002699
1	1	60	2011	2	19	0.7179	40.690	6.6500	4.7481	56.6821	9.86	0.001293
1	1	60	2011	2	20	0.6888	44.608	6.6500	4.7481	64.7605	8.70	0.006032
1	1	60	2011	2	21	0.8480	54.916	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2011	2	22	1.1077	144.242	6.6500	4.7481	130.2221	6.58	0.010278
1	1	60	2011	2	23	1.3963	276.200	6.6500	4.7481	197.8148	6.28	0.036527
1	1	60	2011	2	24	17.3519	148.918	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2011	2	25	12.8282	349.315	6.8800	4.9123	27.2301	6.43	0.000303
1	1	60	2011	2	26	2.1702	212.109	6.6500	4.7481	97.7390	4.34	0.003655
1	1	60	2011	2	27	1.3127	35.746	6.6500	4.7481	27.2301	6.19	0.007008
1	1	60	2011	2	28	0.5354	23.543	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2011	3	1	0.5266	15.804	7.2800	5.3799	30.0117	24.09	0.281246
1	1	60	2011	3	2	0.3747	15.060	8.0600	5.7548	40.1957	18.52	0.101405
1	1	60	2011	3	3	0.5667	22.780	8.0600	5.7548	40.1957	18.52	0.337320
1	1	60	2011	3	4	1.0757	40.679	8.0600	5.7548	37.8166	14.25	0.103547
1	1	60	2011	3	5	1.4699	55.585	8.0600	5.7548	37.8166	14.25	0.047578
1	1	60	2011	3	6	2.3055	87.079	6.8800	4.9123	37.7707	10.10	0.027524
1	1	60	2011	3	7	2.4374	92.063	6.8800	4.9123	37.7707	9.36	0.000969
1	1	60	2011	3	8	2.1518	78.526	6.8800	4.9123	36.4932	9.33	0.000281
1	1	60	2011	3	9	2.4969	91.119	6.8800	4.9123	36.4931	8.00	0.000959
1	1	60	2011	3	10	2.4809	90.535	6.8800	4.9123	36.4932	8.12	0.001996
1	1	60	2011	3	11	2.7360	99.844	6.8800	4.9123	36.4932	7.44	0.000819
1	1	60	2011	3	12	2.9211	106.599	6.8800	4.9123	36.4932	7.05	0.000002
1	1	60	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2011	3	14	0.3952	11.860	7.2800	5.1979	30.0117	32.28	0.000028
1	1	60	2011	3	15	0.2543	12.278	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2011	3	16	3.2394	145.953	6.6500	4.7481	45.0549	12.93	0.008198
1	1	60	2011	3	17	3.4115	161.202	6.6500	4.7481	47.2522	11.65	0.002544
1	1	60	2011	3	18	4.7137	267.183	6.6500	4.7481	56.6821	10.18	0.002699
1	1	60	2011	3	19	5.0962	288.866	6.6500	4.7481	56.6821	9.86	0.001293
1	1	60	2011	3	20	5.9053	382.430	6.6500	4.7481	64.7605	8.70	0.006032
1	1	60	2011	3	21	7.2961	472.500	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2011	3	22	8.2197	1070.387	6.6500	4.7481	130.2221	6.58	0.010278
1	1	60	2011	3	23	9.8259	1943.699	6.6500	4.7481	197.8148	6.28	0.036527
1	1	60	2011	3	24	2.7415	23.528	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2011	3	25	4.8159	131.137	6.8800	4.9123	27.2301	6.43	0.000303
1	1	60	2011	3	26	17.3642	1697.160	6.6500	4.7481	97.7390	4.34	0.003655
1	1	60	2011	3	27	12.0004	326.773	6.6500	4.7481	27.2301	6.19	0.007008
1	1	60	2011	3	28	0.8818	38.775	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246

1	1	61	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	61	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	61	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	61	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	61	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	61	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	61	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	61	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	61	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	61	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	61	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	61	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	61	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	61	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	61	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	61	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	61	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	61	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	61	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	61	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	61	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	61	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	61	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2011	1	1	0.3314	9.945	7.2800	5.3799	30.0117	24.09	0.281246
1	1	61	2011	1	2	0.2070	8.321	8.0600	5.7548	40.1957	18.52	0.101405
1	1	61	2011	1	3	0.2418	9.720	8.0600	5.7548	40.1957	18.52	0.337320
1	1	61	2011	1	4	0.5184	19.603	8.0600	5.7548	37.8166	14.25	0.103547
1	1	61	2011	1	5	0.5742	21.716	8.0600	5.7548	37.8166	14.25	0.047578
1	1	61	2011	1	6	0.2256	8.521	6.8800	4.9123	37.7707	10.10	0.027524
1	1	61	2011	1	7	0.2257	8.527	6.8800	4.9123	37.7707	9.36	0.000969
1	1	61	2011	1	8	0.2106	7.686	6.8800	4.9123	36.4932	9.33	0.000281
1	1	61	2011	1	9	0.2287	8.347	6.8800	4.9123	36.4931	8.00	0.000959
1	1	61	2011	1	10	0.2279	8.317	6.8800	4.9123	36.4932	8.12	0.001996
1	1	61	2011	1	11	0.2457	8.966	6.8800	4.9123	36.4932	7.44	0.000819
1	1	61	2011	1	12	0.2562	9.351	6.8800	4.9123	36.4932	7.05	0.000002
1	1	61	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2011	1	14	0.1036	3.110	7.2800	5.1979	30.0117	32.28	0.000028
1	1	61	2011	1	15	0.0742	3.581	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2011	1	16	0.0944	4.254	6.6500	4.7481	45.0549	12.93	0.008198
1	1	61	2011	1	17	0.1030	4.869	6.6500	4.7481	47.2522	11.65	0.002544
1	1	61	2011	1	18	0.1345	7.626	6.6500	4.7481	56.6821	10.18	0.002699
1	1	61	2011	1	19	0.1492	8.456	6.6500	4.7481	56.6821	9.86	0.001293
1	1	61	2011	1	20	0.1764	11.425	6.6500	4.7481	64.7605	8.70	0.006032

1	1	61	2011	1	21	0.2160	13.987	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2011	1	22	0.2259	29.413	6.6500	4.7481	130.2221	6.58	0.010278
1	1	61	2011	1	23	0.2660	52.610	6.6500	4.7481	197.8148	6.28	0.036527
1	1	61	2011	1	24	2.3457	20.131	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2011	1	25	0.3803	10.354	6.8800	4.9123	27.2301	6.43	0.000303
1	1	61	2011	1	26	0.2063	20.167	6.6500	4.7481	97.7390	4.34	0.003655
1	1	61	2011	1	27	0.3193	8.695	6.6500	4.7481	27.2301	6.19	0.007008
1	1	61	2011	1	28	0.2596	11.415	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2011	2	1	13.4097	402.448	7.2800	5.3799	30.0117	24.09	0.281246
1	1	61	2011	2	2	11.0648	444.757	8.0600	5.7548	40.1957	18.52	0.101405
1	1	61	2011	2	3	11.7531	472.425	8.0600	5.7548	40.1957	18.52	0.337320
1	1	61	2011	2	4	17.1065	646.910	8.0600	5.7548	37.8166	14.25	0.103547
1	1	61	2011	2	5	17.4161	658.619	8.0600	5.7548	37.8166	14.25	0.047578
1	1	61	2011	2	6	7.4634	281.898	6.8800	4.9123	37.7707	10.10	0.027524
1	1	61	2011	2	7	8.2830	312.855	6.8800	4.9123	37.7707	9.36	0.000969
1	1	61	2011	2	8	8.0074	292.217	6.8800	4.9123	36.4932	9.33	0.000281
1	1	61	2011	2	9	9.3318	340.549	6.8800	4.9123	36.4931	8.00	0.000959
1	1	61	2011	2	10	9.2460	337.414	6.8800	4.9123	36.4932	8.12	0.001996
1	1	61	2011	2	11	10.9596	399.949	6.8800	4.9123	36.4932	7.44	0.000819
1	1	61	2011	2	12	11.6809	426.273	6.8800	4.9123	36.4932	7.05	0.000002
1	1	61	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2011	2	14	0.7285	21.865	7.2800	5.1979	30.0117	32.28	0.000028
1	1	61	2011	2	15	0.3144	15.183	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2011	2	16	0.4542	20.465	6.6500	4.7481	45.0549	12.93	0.008198
1	1	61	2011	2	17	0.4823	22.791	6.6500	4.7481	47.2522	11.65	0.002544
1	1	61	2011	2	18	0.6818	38.646	6.6500	4.7481	56.6821	10.18	0.002699
1	1	61	2011	2	19	0.7354	41.687	6.6500	4.7481	56.6821	9.86	0.001293
1	1	61	2011	2	20	0.7057	45.701	6.6500	4.7481	64.7605	8.70	0.006032
1	1	61	2011	2	21	0.8688	56.262	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2011	2	22	1.1348	147.776	6.6500	4.7481	130.2221	6.58	0.010278
1	1	61	2011	2	23	1.4305	282.966	6.6500	4.7481	197.8148	6.28	0.036527
1	1	61	2011	2	24	18.3842	157.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2011	2	25	13.3056	362.313	6.8800	4.9123	27.2301	6.43	0.000303
1	1	61	2011	2	26	2.2233	217.305	6.6500	4.7481	97.7390	4.34	0.003655
1	1	61	2011	2	27	1.3449	36.622	6.6500	4.7481	27.2301	6.19	0.007008
1	1	61	2011	2	28	0.5430	23.879	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2011	3	1	0.5290	15.877	7.2800	5.3799	30.0117	24.09	0.281246
1	1	61	2011	3	2	0.3766	15.140	8.0600	5.7548	40.1957	18.52	0.101405
1	1	61	2011	3	3	0.5691	22.875	8.0600	5.7548	40.1957	18.52	0.337320
1	1	61	2011	3	4	1.0793	40.816	8.0600	5.7548	37.8166	14.25	0.103547
1	1	61	2011	3	5	1.4738	55.733	8.0600	5.7548	37.8166	14.25	0.047578
1	1	61	2011	3	6	2.3197	87.616	6.8800	4.9123	37.7707	10.10	0.027524
1	1	61	2011	3	7	2.4525	92.631	6.8800	4.9123	37.7707	9.36	0.000969
1	1	61	2011	3	8	2.1651	79.011	6.8800	4.9123	36.4932	9.33	0.000281
1	1	61	2011	3	9	2.5123	91.681	6.8800	4.9123	36.4931	8.00	0.000959
1	1	61	2011	3	10	2.4962	91.094	6.8800	4.9123	36.4932	8.12	0.001996
1	1	61	2011	3	11	2.7529	100.460	6.8800	4.9123	36.4932	7.44	0.000819

1	1	61	2011	3	12	2.9391	107.257	6.8800	4.9123	36.4932	7.05	0.000002
1	1	61	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2011	3	14	0.4099	12.303	7.2800	5.1979	30.0117	32.28	0.000028
1	1	61	2011	3	15	0.2638	12.738	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2011	3	16	3.3637	151.551	6.6500	4.7481	45.0549	12.93	0.008198
1	1	61	2011	3	17	3.5424	167.385	6.6500	4.7481	47.2522	11.65	0.002544
1	1	61	2011	3	18	4.8945	277.430	6.6500	4.7481	56.6821	10.18	0.002699
1	1	61	2011	3	19	5.2917	299.945	6.6500	4.7481	56.6821	9.86	0.001293
1	1	61	2011	3	20	6.1341	397.247	6.6500	4.7481	64.7605	8.70	0.006032
1	1	61	2011	3	21	7.5788	490.808	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2011	3	22	8.5309	1110.916	6.6500	4.7481	130.2221	6.58	0.010278
1	1	61	2011	3	23	10.1936	2016.446	6.6500	4.7481	197.8148	6.28	0.036527
1	1	61	2011	3	24	2.7847	23.899	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2011	3	25	4.8456	131.946	6.8800	4.9123	27.2301	6.43	0.000303
1	1	61	2011	3	26	18.0410	1763.308	6.6500	4.7481	97.7390	4.34	0.003655
1	1	61	2011	3	27	12.4679	339.504	6.6500	4.7481	27.2301	6.19	0.007008
1	1	61	2011	3	28	0.9148	40.230	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	62	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	62	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	62	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	62	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	62	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	62	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	62	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	62	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	62	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	62	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	62	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	62	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	62	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	62	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	62	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	62	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	62	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	62	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	62	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	62	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	62	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	62	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	62	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	62	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	62	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2011	1	1	0.3307	9.925	7.2800	5.3799	30.0117	24.09	0.281246
1	1	62	2011	1	2	0.2070	8.319	8.0600	5.7548	40.1957	18.52	0.101405

1	1	62	2011	1	3	0.2419	9.722	8.0600	5.7548	40.1957	18.52	0.337320
1	1	62	2011	1	4	0.5169	19.546	8.0600	5.7548	37.8166	14.25	0.103547
1	1	62	2011	1	5	0.5727	21.656	8.0600	5.7548	37.8166	14.25	0.047578
1	1	62	2011	1	6	0.2256	8.520	6.8800	4.9123	37.7707	10.10	0.027524
1	1	62	2011	1	7	0.2257	8.525	6.8800	4.9123	37.7707	9.36	0.000969
1	1	62	2011	1	8	0.2106	7.687	6.8800	4.9123	36.4932	9.33	0.000281
1	1	62	2011	1	9	0.2289	8.352	6.8800	4.9123	36.4931	8.00	0.000959
1	1	62	2011	1	10	0.2280	8.322	6.8800	4.9123	36.4932	8.12	0.001996
1	1	62	2011	1	11	0.2459	8.975	6.8800	4.9123	36.4932	7.44	0.000819
1	1	62	2011	1	12	0.2566	9.363	6.8800	4.9123	36.4932	7.05	0.000002
1	1	62	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2011	1	14	0.1036	3.110	7.2800	5.1979	30.0117	32.28	0.000028
1	1	62	2011	1	15	0.0742	3.581	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2011	1	16	0.0944	4.254	6.6500	4.7481	45.0549	12.93	0.008198
1	1	62	2011	1	17	0.1030	4.869	6.6500	4.7481	47.2522	11.65	0.002544
1	1	62	2011	1	18	0.1345	7.626	6.6500	4.7481	56.6821	10.18	0.002699
1	1	62	2011	1	19	0.1492	8.456	6.6500	4.7481	56.6821	9.86	0.001293
1	1	62	2011	1	20	0.1764	11.425	6.6500	4.7481	64.7605	8.70	0.006032
1	1	62	2011	1	21	0.2160	13.987	6.6500	4.7481	64.7605	7.53	0.008655
1	1	62	2011	1	22	0.2259	29.413	6.6500	4.7481	130.2221	6.58	0.010278
1	1	62	2011	1	23	0.2660	52.610	6.6500	4.7481	197.8148	6.28	0.036527
1	1	62	2011	1	24	2.4088	20.672	1.3500	0.9639	8.5822	50.00	0.002374
1	1	62	2011	1	25	0.3803	10.355	6.8800	4.9123	27.2301	6.43	0.000303
1	1	62	2011	1	26	0.2063	20.167	6.6500	4.7481	97.7390	4.34	0.003655
1	1	62	2011	1	27	0.3193	8.695	6.6500	4.7481	27.2301	6.19	0.007008
1	1	62	2011	1	28	0.2596	11.415	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2011	2	1	13.4695	404.243	7.2800	5.3799	30.0117	24.09	0.281246
1	1	62	2011	2	2	11.1190	446.937	8.0600	5.7548	40.1957	18.52	0.101405
1	1	62	2011	2	3	11.8117	474.777	8.0600	5.7548	40.1957	18.52	0.337320
1	1	62	2011	2	4	17.1942	650.227	8.0600	5.7548	37.8166	14.25	0.103547
1	1	62	2011	2	5	17.5049	661.978	8.0600	5.7548	37.8166	14.25	0.047578
1	1	62	2011	2	6	7.7229	291.700	6.8800	4.9123	37.7707	10.10	0.027524
1	1	62	2011	2	7	8.5710	323.734	6.8800	4.9123	37.7707	9.36	0.000969
1	1	62	2011	2	8	8.2859	302.378	6.8800	4.9123	36.4932	9.33	0.000281
1	1	62	2011	2	9	9.6563	352.390	6.8800	4.9123	36.4931	8.00	0.000959
1	1	62	2011	2	10	9.5675	349.147	6.8800	4.9123	36.4932	8.12	0.001996
1	1	62	2011	2	11	11.3407	413.856	6.8800	4.9123	36.4932	7.44	0.000819
1	1	62	2011	2	12	12.0871	441.095	6.8800	4.9123	36.4932	7.05	0.000002
1	1	62	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2011	2	14	0.7381	22.152	7.2800	5.1979	30.0117	32.28	0.000028
1	1	62	2011	2	15	0.3190	15.403	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2011	2	16	0.4648	20.940	6.6500	4.7481	45.0549	12.93	0.008198
1	1	62	2011	2	17	0.4935	23.319	6.6500	4.7481	47.2522	11.65	0.002544
1	1	62	2011	2	18	0.6976	39.542	6.6500	4.7481	56.6821	10.18	0.002699
1	1	62	2011	2	19	0.7525	42.653	6.6500	4.7481	56.6821	9.86	0.001293
1	1	62	2011	2	20	0.7220	46.760	6.6500	4.7481	64.7605	8.70	0.006032
1	1	62	2011	2	21	0.8889	57.565	6.6500	4.7481	64.7605	7.53	0.008655

1	1	62	2011	2	22	1.1611	151.200	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	62	2011	2	23	1.4636	289.524	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	62	2011	2	24	19.3847	166.363	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	62	2011	2	25	13.7683	374.912	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	62	2011	2	26	2.2749	222.342	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	62	2011	2	27	1.3761	37.471	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	62	2011	2	28	0.5505	24.206	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	62	2011	3	1	0.5314	15.948	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	62	2011	3	2	0.3786	15.217	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	62	2011	3	3	0.5714	22.968	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	62	2011	3	4	1.0828	40.948	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	62	2011	3	5	1.4775	55.876	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	62	2011	3	6	2.3335	88.137	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	62	2011	3	7	2.4670	93.182	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	62	2011	3	8	2.1780	79.480	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	62	2011	3	9	2.5272	92.226	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	62	2011	3	10	2.5110	91.635	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	62	2011	3	11	2.7692	101.058	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	62	2011	3	12	2.9566	107.894	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	62	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	62	2011	3	14	0.4242	12.731	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	62	2011	3	15	0.2731	13.185	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	62	2011	3	16	3.4841	156.976	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	62	2011	3	17	3.6692	173.377	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	62	2011	3	18	5.0697	287.362	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	62	2011	3	19	5.4811	310.683	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	62	2011	3	20	6.3559	411.608	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	62	2011	3	21	7.8528	508.552	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	62	2011	3	22	8.8326	1150.198	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	62	2011	3	23	10.5500	2086.955	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	62	2011	3	24	2.8266	24.258	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	62	2011	3	25	4.8744	132.730	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	62	2011	3	26	18.6969	1827.421	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	62	2011	3	27	12.9211	351.844	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	62	2011	3	28	0.9469	41.639	8.0600	5.7548	43.9743	17.00
0.002242											

```
MOBILE6 INPUT FILE Baltimore County

REPORT FILE        :  C:\mobile62\Mobile6\Run\Balt\2011\rcnty11w.out      REPLACE
DATABASE OUTPUT    :
WITH FIELDNAMES    :
EMISSIONS TABLE    :  C:\mobile62\Mobile6\Run\Balt\2011\rcnty11w.tbl    REPLACE
POLLUTANTS         :  HC CO NOX CO2
AGGREGATED OUTPUT  :
RUN DATA           :

FUEL RVP           : 6.8
EXPRESS HC AS VOC  :
NO REFUELING       :
ANTI-TAMP PROGRAM  :         89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : C:\mobile62\Mobile6\Run\Balt\2011\im2010.d
T2 EXH PHASE-IN    : C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11
T2 EVAP PHASE-IN   : C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11
T2 CERT            : C:\mobile62\Mobile6\Run\Balt\LevIIStd.d
94+ LDG IMP        : C:\mobile62\Mobile6\Run\Balt\LevII94.S11
REG DISTRIBUTION   : C:\mobile62\Mobile6\Run\Balt\regdat05.bal
REBUILD EFFECTS    : .90
DIESEL FRACTIONS   :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
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SCENARIO RECORD    : Baltimore County speED=2.5

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
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AVERAGE SPEED      : 2.5 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=5.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 5.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=6.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 6.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
```

```
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=7.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 7.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=8.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 8.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=9.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
```

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HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 9.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=10.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 10.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=11

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 11. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
```

```
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=12

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 12. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=13

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 13. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
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VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=14.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 14. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=15

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 15. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=16

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
```

```
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 16. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=17

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 17. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=18

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 18. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
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CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=19

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 19. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=20

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 20. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=21.
```

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PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 21. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=22

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 22. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=23

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 23. ARTERIAL
```

```
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=24

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 24. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=25

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 25. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
```

```
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=26

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 26. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=27

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 27. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=28.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
```

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34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 28. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=29.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 29. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=30.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 30. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
```

```
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=31

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 31. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=32.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 32. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def
```

```
SCENARIO RECORD    : Baltimore County speED=33

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 33. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=34.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 34. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=35

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
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CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 35. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=36

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 36. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=37

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 37. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
```

```
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=38

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 38. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=39

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 39. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=40

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
```

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DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 40. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=41

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 41. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=42

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 42. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
```

```
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=43

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 43. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=44

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 44. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
```

```
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=45

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 45. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=46

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 46. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=47

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
```

```
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 47. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=48

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 48. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=49

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 49. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
```

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SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD     : Baltimore County speED=50

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2011
EVALUATION MONTH    : 1
AVERAGE SPEED       : 50. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD     : Baltimore County speED=51

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2011
EVALUATION MONTH    : 1
AVERAGE SPEED       : 51. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def
```

```
SCENARIO RECORD    : Baltimore County speED=52

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 52. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=53

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 53. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=54

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
```

```
EVALUATION MONTH   : 1
AVERAGE SPEED      : 54. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=55

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 55. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=56

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 56. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
```

```
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=57

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 57. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=58

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 58. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=59

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
```

```
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 59. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=60

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 60. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=61

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 61. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
```

```
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=62

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 62. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=63

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 63. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
```

```
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=64

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 64. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def

SCENARIO RECORD    : Baltimore County speED=65

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2011
EVALUATION MONTH   : 1
AVERAGE SPEED      : 65. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V003103S.def


END OF RUN         :
```

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: RCNTY11W.INP (file 1, run 1).                             *
*************************************************************************
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


* Reading I/M program description records from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\IM2010.D
*IM Program.  Idle, IM240, and OBD.
*Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

* Reading non-default I/M CUTPOINTS from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\CUTPNT10.D
* CY 10
* CUTPOINTS 75% TO FINAL for 1994 and 1995. IMPLEMENTED May 2005.

  Reading User Supplied Tier2 Exhaust bin phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11


  Reading User Supplied Tier2 EVAP phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11


  Reading User Supplied Tier2 50K certification standards

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIStd.d


* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11

* Reading Registration Distributions from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\REGDAT05.BAL
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M614 Comment:
               User supplied diesel sale fractions.

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=2.5
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  2.5
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
```

```
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
 HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      2.921     1.652     3.895     2.226     4.247    0.322     0.447     1.094
9.39     2.394
     Composite CO  :     24.10     20.24     32.98     23.50     35.59     2.542     1.432     6.260
86.37    22.569
     Composite NOX :      0.890     0.893     2.046     1.189     1.446    0.426     0.499     9.250
1.79     1.810
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=5.0
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV
```

```
* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  5.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      1.088     0.679     1.670     0.933     2.027    0.289     0.400     0.961
6.15     1.024
     Composite CO  :     16.71     14.22     22.21     16.27     28.44     2.133     1.197     5.110
51.57    15.805
     Composite NOX :      0.789     0.789     1.792     1.046     1.484    0.384     0.449     8.321
1.68     1.617
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
```

```
* Baltimore County speED=6.0
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  6.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
```

```
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.928     0.586     1.446     0.806     1.739    0.272     0.375     0.892
5.33     0.886
     Composite CO  :     15.59     13.27     20.53     15.13     25.27     1.945     1.089     4.581
43.38    14.647
     Composite NOX :      0.742     0.742     1.692     0.985     1.509    0.363     0.424     7.853
1.64     1.528
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=7.0
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  7.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No
```

```
              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.814     0.519     1.286     0.715     1.534    0.259     0.357     0.843
4.74     0.788
     Composite CO  :     14.78     12.59     19.33     14.32     23.00     1.810     1.012     4.204
37.53    13.820
     Composite NOX :      0.708     0.708     1.620     0.941     1.527    0.348     0.407     7.519
1.62     1.465
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=8.0
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  8.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
```

```
                    Altitude:  Low
          Minimum Temperature:  29.8 (F)
          Maximum Temperature:  38.4 (F)
            Minimum Rel. Hum.:  58.2 (%)
            Maximum Rel. Hum.:  74.9 (%)
          Barometric Pressure: 29.80 (inches Hg)
             Nominal Fuel RVP:   6.8 psi
                Weathered RVP:   6.8 psi
          Fuel Sulfur Content:   30. ppm

          Exhaust I/M Program:  Yes
             Evap I/M Program:  Yes
                  ATP Program:  Yes
             Reformulated Gas:  No

          User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.729     0.469     1.166     0.647     1.380    0.250     0.344     0.806
4.30     0.715
     Composite CO  :     14.17     12.08     18.43     13.71     21.30     1.709     0.954     3.920
33.14    13.199
     Composite NOX :      0.683     0.683     1.566     0.909     1.541    0.336     0.393     7.268
1.61     1.417
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=9.0
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  9.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
```

```
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.662     0.430     1.072     0.594     1.260    0.243     0.334     0.778
3.96     0.658
     Composite CO  :     13.70     11.69     17.73     13.24     19.98     1.631     0.909     3.700
29.73    12.717
     Composite NOX :      0.664     0.663     1.524     0.884     1.551    0.328     0.383     7.073
1.59     1.380
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=10.0
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
```

```
  M583 Warning:
            The user supplied arterial average speed of 10.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.609     0.399     0.997     0.552     1.164    0.237     0.326     0.755
3.69     0.612
     Composite CO  :     13.33     11.37     17.17     12.86     18.92     1.568     0.873     3.524
27.00    12.331
     Composite NOX :      0.648     0.647     1.490     0.863     1.559    0.321     0.375     6.916
1.58     1.350
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=11
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV
```

```
* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 11.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.577     0.378     0.945     0.523     1.069    0.227     0.311     0.714
3.46     0.578
```

```
     Composite CO  :     13.06     11.13     16.76     12.58     17.39     1.473     0.818     3.256
24.83    12.010
     Composite NOX :      0.623     0.623     1.440     0.832     1.580    0.309     0.361     6.654
1.59     1.302
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=12
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 12.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.550     0.360     0.901     0.499     0.989    0.218     0.299     0.680
3.27     0.550
     Composite CO  :     12.84     10.94     16.42     12.34     16.11     1.394     0.773     3.033
23.02    11.743
     Composite NOX :      0.603     0.602     1.398     0.806     1.597    0.299     0.349     6.436
1.59     1.263
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=13
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 13.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
```

```
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.528     0.345     0.864     0.478     0.922    0.211     0.289     0.652
3.11     0.527
     Composite CO  :     12.65     10.77     16.13     12.14     15.03     1.327     0.734     2.845
21.49    11.516
     Composite NOX :      0.586     0.585     1.362     0.784     1.611    0.291     0.339     6.251
1.60     1.229
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=14.
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 14.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
```

```
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.508     0.332     0.832     0.461     0.865    0.205     0.280     0.627
2.97     0.506
     Composite CO  :     12.49     10.62     15.88     11.97     14.10     1.269     0.701     2.683
20.17    11.322
     Composite NOX :      0.571     0.570     1.331     0.765     1.624    0.283     0.331     6.093
1.60     1.201
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=15
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 15.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
```

```
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.491     0.321     0.805     0.445     0.815    0.199     0.272     0.606
2.85     0.489
     Composite CO  :     12.35     10.50     15.67     11.82     13.30     1.220     0.672     2.543
19.04    11.154
     Composite NOX :      0.558     0.557     1.305     0.749     1.635    0.277     0.323     5.956
1.60     1.176
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=16
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
```

```
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 16.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.477     0.312     0.781     0.432     0.763    0.193     0.262     0.578
2.75     0.472
     Composite CO  :     12.22     10.39     15.48     11.69     12.45     1.164     0.641     2.387
18.12    10.999
     Composite NOX :      0.547     0.546     1.282     0.735     1.653    0.270     0.315     5.795
1.62     1.151
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
```

```
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=17
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 17.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.463     0.303     0.759     0.420     0.717    0.187     0.254     0.554
2.67     0.458
     Composite CO  :     12.11     10.29     15.31     11.58     11.69     1.115     0.613     2.250
17.31    10.863
     Composite NOX :      0.537     0.536     1.261     0.722     1.670    0.263     0.307     5.653
1.64     1.129
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=18
* File 1, Run 1, Scenario 15.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 18.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.452     0.296     0.740     0.410     0.676    0.181     0.246     0.533
2.59     0.445
     Composite CO  :     12.02     10.21     15.16     11.48     11.02     1.072     0.588     2.128
16.59    10.741
     Composite NOX :      0.528     0.527     1.243     0.711     1.685    0.258     0.301     5.527
1.66     1.109
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=19
* File 1, Run 1, Scenario 16.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 19.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
                GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.442     0.289     0.724     0.400     0.640    0.176     0.239     0.514
2.53     0.434
     Composite CO  :     11.93     10.13     15.03     11.39     10.42     1.033     0.565     2.019
15.95    10.633
     Composite NOX :      0.520     0.520     1.227     0.701     1.698    0.253     0.295     5.414
1.67     1.092
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=20
* File 1, Run 1, Scenario 17.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 20.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.432     0.283     0.708     0.392     0.607    0.172     0.233     0.497
2.46     0.423
     Composite CO  :     11.85     10.06     14.91     11.31      9.88     0.998     0.545     1.920
15.37    10.535
     Composite NOX :      0.513     0.512     1.212     0.692     1.710    0.248     0.289     5.313
1.69     1.076
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=21.
* File 1, Run 1, Scenario 18.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 21.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.424     0.277     0.695     0.384     0.576    0.167     0.226     0.478
2.41     0.414
     Composite CO  :     11.79     10.01     14.82     11.24      9.37     0.964     0.526     1.824
14.84    10.451
     Composite NOX :      0.506     0.506     1.199     0.684     1.728    0.244     0.284     5.217
1.71     1.062
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=22
* File 1, Run 1, Scenario 19.
```

```
* # # #
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.416     0.272     0.682     0.377     0.547    0.163     0.220     0.460
2.36     0.405
     Composite CO  :     11.73      9.95     14.73     11.18      8.91     0.933     0.508     1.737
14.35    10.375
     Composite NOX :      0.501     0.500     1.187     0.676     1.744    0.240     0.279     5.129
1.73     1.049
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=23
* File 1, Run 1, Scenario 20.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 23.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.409     0.268     0.671     0.371     0.522    0.159     0.214     0.445
2.31     0.397
     Composite CO  :     11.68      9.91     14.66     11.12      8.49     0.905     0.492     1.658
13.91    10.305
     Composite NOX :      0.495     0.495     1.176     0.669     1.759    0.236     0.275     5.049
1.75     1.037
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=24
* File 1, Run 1, Scenario 21.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 24.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.403     0.264     0.660     0.365     0.498    0.155     0.209     0.430
2.27     0.389
     Composite CO  :     11.63      9.86     14.58     11.07      8.11     0.879     0.477     1.585
13.50    10.242
     Composite NOX :      0.490     0.490     1.166     0.663     1.772    0.233     0.271     4.976
1.77     1.026
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=25
* File 1, Run 1, Scenario 22.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 25.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.397     0.260     0.650     0.360     0.476    0.152     0.204     0.417
2.23     0.382
     Composite CO  :     11.59      9.82     14.52     11.03      7.75     0.855     0.463     1.518
13.12    10.183
     Composite NOX :      0.486     0.485     1.157     0.657     1.785    0.230     0.268     4.909
1.79     1.016
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=26
* File 1, Run 1, Scenario 23.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 26.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.392     0.257     0.643     0.356     0.456    0.148     0.199     0.403
2.18     0.377
     Composite CO  :     11.57      9.81     14.48     11.00      7.45     0.833     0.451     1.457
12.75    10.149
     Composite NOX :      0.482     0.481     1.148     0.652     1.802    0.228     0.265     4.860
1.81     1.008
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=27
* File 1, Run 1, Scenario 24.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
```

```
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 27.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.387     0.254     0.636     0.352     0.438    0.145     0.195     0.390
2.15     0.371
     Composite CO  :     11.55      9.79     14.45     10.99      7.16     0.814     0.439     1.401
12.40    10.117
```

```
     Composite NOX :      0.478     0.477     1.140     0.647     1.818    0.226     0.263     4.815
1.83     1.000
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=28.
* File 1, Run 1, Scenario 25.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 28.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.383     0.251     0.630     0.348     0.421    0.142     0.191     0.378
2.11     0.366
     Composite CO  :     11.53      9.78     14.42     10.97      6.90     0.795     0.428     1.349
12.08    10.088
     Composite NOX :      0.474     0.474     1.133     0.643     1.833    0.224     0.260     4.773
1.85     0.994
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=29.
* File 1, Run 1, Scenario 26.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 29.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.379     0.249     0.624     0.345     0.405    0.139     0.187     0.367
2.08     0.362
     Composite CO  :     11.51      9.76     14.40     10.95      6.65     0.778     0.419     1.301
11.78    10.060
     Composite NOX :      0.471     0.471     1.126     0.638     1.847    0.222     0.258     4.734
1.87     0.987
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=30.
* File 1, Run 1, Scenario 27.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 30.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.376     0.246     0.619     0.342     0.390    0.137     0.183     0.357
2.05     0.357
     Composite CO  :     11.50      9.75     14.37     10.94      6.43     0.762     0.409     1.255
11.50    10.035
     Composite NOX :      0.468     0.467     1.120     0.635     1.860    0.220     0.256     4.697
1.88     0.981
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=31
* File 1, Run 1, Scenario 28.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 31.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
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              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.372     0.244     0.613     0.339     0.377    0.134     0.179     0.347
2.02     0.353
     Composite CO  :     11.51      9.77     14.39     10.95      6.25     0.748     0.402     1.217
11.23    10.037
     Composite NOX :      0.466     0.466     1.117     0.632     1.877    0.220     0.256     4.688
1.90     0.979
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=32.
* File 1, Run 1, Scenario 29.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

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* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 32.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.369     0.243     0.608     0.336     0.365    0.132     0.176     0.338
1.99     0.350
     Composite CO  :     11.52      9.78     14.42     10.97      6.08     0.735     0.394     1.182
10.97    10.040
     Composite NOX :      0.464     0.464     1.114     0.631     1.893    0.219     0.255     4.679
1.91     0.977
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
```

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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=33
* File 1, Run 1, Scenario 30.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 33.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.367     0.241     0.603     0.334     0.354    0.130     0.173     0.329
1.96     0.346
     Composite CO  :     11.53      9.79     14.44     10.98      5.92     0.724     0.387     1.148
10.73    10.043
     Composite NOX :      0.462     0.463     1.111     0.629     1.908    0.219     0.255     4.670
1.93     0.976
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=34.
* File 1, Run 1, Scenario 31.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 34.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.364     0.240     0.598     0.332     0.343    0.128     0.170     0.321
1.93     0.343
     Composite CO  :     11.55      9.80     14.46     10.99      5.77     0.712     0.381     1.117
10.51    10.045
     Composite NOX :      0.461     0.461     1.108     0.627     1.922    0.219     0.255     4.662
1.94     0.974
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=35
* File 1, Run 1, Scenario 32.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 35.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.361     0.238     0.594     0.329     0.333    0.126     0.167     0.313
1.91     0.340
     Composite CO  :     11.56      9.81     14.47     11.01      5.63     0.702     0.375     1.087
10.29    10.048
     Composite NOX :      0.459     0.460     1.106     0.625     1.935    0.218     0.254     4.655
1.95     0.972
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=36
* File 1, Run 1, Scenario 33.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 36.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.360     0.238     0.591     0.328     0.324    0.124     0.165     0.306
1.89     0.338
     Composite CO  :     11.63      9.88     14.58     11.08      5.54     0.694     0.370     1.064
10.11    10.108
     Composite NOX :      0.462     0.462     1.108     0.627     1.952    0.220     0.256     4.682
1.97     0.977
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=37
* File 1, Run 1, Scenario 34.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 37.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.358     0.238     0.589     0.328     0.316    0.122     0.162     0.299
1.87     0.336
     Composite CO  :     11.69      9.94     14.68     11.16      5.45     0.686     0.366     1.043
9.93    10.165
     Composite NOX :      0.464     0.464     1.111     0.629     1.968    0.221     0.257     4.707
1.98     0.982
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=38
* File 1, Run 1, Scenario 35.
```

```
* # # #
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.357     0.237     0.587     0.327     0.308    0.121     0.160     0.292
1.85     0.334
     Composite CO  :     11.76     10.00     14.77     11.23      5.36     0.679     0.362     1.022
9.77    10.218
     Composite NOX :      0.466     0.465     1.113     0.631     1.983    0.222     0.258     4.732
1.99     0.986
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=39
* File 1, Run 1, Scenario 36.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 39.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.356     0.237     0.585     0.326     0.301    0.119     0.158     0.286
1.83     0.333
     Composite CO  :     11.82     10.06     14.86     11.29      5.28     0.672     0.358     1.003
9.61    10.270
     Composite NOX :      0.467     0.467     1.115     0.633     1.997    0.223     0.260     4.755
1.99     0.990
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=40
* File 1, Run 1, Scenario 37.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 40.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.355     0.237     0.583     0.325     0.294    0.118     0.156     0.280
1.81     0.331
     Composite CO  :     11.87     10.12     14.94     11.35      5.21     0.665     0.354     0.985
9.46    10.318
     Composite NOX :      0.469     0.469     1.118     0.635     2.011    0.224     0.261     4.776
2.00     0.994
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=41
* File 1, Run 1, Scenario 38.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 41.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.354     0.237     0.580     0.325     0.288    0.116     0.154     0.275
1.80     0.330
     Composite CO  :     11.94     10.18     15.05     11.43      5.18     0.661     0.352     0.973
9.34    10.381
     Composite NOX :      0.472     0.471     1.121     0.638     2.027    0.227     0.264     4.842
2.01     1.003
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=42
* File 1, Run 1, Scenario 39.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 42.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.353     0.237     0.578     0.324     0.282    0.115     0.152     0.270
1.79     0.328
     Composite CO  :     12.01     10.25     15.14     11.50      5.16     0.658     0.349     0.963
9.23    10.441
     Composite NOX :      0.474     0.474     1.125     0.640     2.043    0.230     0.268     4.905
2.02     1.011
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=43
* File 1, Run 1, Scenario 40.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
```

```
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 43.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.352     0.236     0.576     0.324     0.277    0.114     0.150     0.266
1.78     0.327
     Composite CO  :     12.07     10.31     15.24     11.57      5.14     0.654     0.347     0.953
9.13    10.498
```

```
     Composite NOX :      0.477     0.476     1.128     0.643     2.058    0.232     0.271     4.965
2.03     1.019
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=44
* File 1, Run 1, Scenario 41.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 44.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.351     0.236     0.575     0.323     0.272    0.113     0.149     0.261
1.76     0.326
     Composite CO  :     12.14     10.37     15.33     11.64      5.11     0.651     0.345     0.943
9.02    10.552
     Composite NOX :      0.479     0.478     1.131     0.645     2.072    0.235     0.274     5.022
2.03     1.027
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=45
* File 1, Run 1, Scenario 42.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 45.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.350     0.236     0.573     0.322     0.267    0.112     0.147     0.257
1.75     0.325
     Composite CO  :     12.19     10.42     15.41     11.70      5.09     0.647     0.344     0.934
8.93    10.604
     Composite NOX :      0.481     0.480     1.134     0.648     2.086    0.237     0.277     5.076
2.04     1.034
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=46
* File 1, Run 1, Scenario 43.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 46.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.349     0.236     0.571     0.322     0.263    0.111     0.146     0.253
1.75     0.324
     Composite CO  :     12.26     10.49     15.52     11.78      5.13     0.647     0.343     0.932
8.88    10.669
     Composite NOX :      0.484     0.483     1.138     0.650     2.102    0.242     0.283     5.187
2.07     1.046
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=47
* File 1, Run 1, Scenario 44.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 47.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.348     0.236     0.568     0.321     0.259    0.110     0.145     0.250
1.75     0.322
     Composite CO  :     12.33     10.55     15.61     11.85      5.16     0.646     0.343     0.930
8.84    10.731
     Composite NOX :      0.487     0.485     1.141     0.653     2.118    0.247     0.288     5.294
2.09     1.058
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=48
* File 1, Run 1, Scenario 45.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 48.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.347     0.236     0.566     0.320     0.255    0.109     0.143     0.247
1.74     0.321
     Composite CO  :     12.39     10.62     15.71     11.92      5.20     0.646     0.343     0.929
8.79    10.791
     Composite NOX :      0.489     0.487     1.144     0.656     2.133    0.252     0.294     5.395
2.11     1.070
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
```

```
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=49
* File 1, Run 1, Scenario 46.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 49.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.345     0.235     0.564     0.320     0.251    0.108     0.142     0.243
1.74     0.320
     Composite CO  :     12.45     10.67     15.80     11.99      5.23     0.645     0.342     0.928
8.75    10.848
     Composite NOX :      0.491     0.489     1.148     0.658     2.147    0.256     0.299     5.493
2.13     1.081
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=50
* File 1, Run 1, Scenario 47.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 50.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.344     0.235     0.563     0.319     0.248    0.107     0.141     0.240
1.74     0.319
     Composite CO  :     12.51     10.73     15.88     12.05      5.26     0.645     0.342     0.926
8.71    10.903
     Composite NOX :      0.494     0.491     1.151     0.660     2.161    0.260     0.304     5.587
2.16     1.092
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=51
* File 1, Run 1, Scenario 48.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 51.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.343     0.235     0.560     0.318     0.245    0.107     0.140     0.238
1.74     0.318
     Composite CO  :     12.58     10.80     15.98     12.13      5.36     0.647     0.344     0.934
8.71    10.971
     Composite NOX :      0.496     0.494     1.155     0.663     2.177    0.268     0.313     5.756
2.20     1.110
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=52
* File 1, Run 1, Scenario 49.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 52.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.342     0.235     0.558     0.318     0.242    0.106     0.140     0.236
1.74     0.317
     Composite CO  :     12.65     10.86     16.08     12.20      5.46     0.650     0.345     0.941
8.71    11.036
     Composite NOX :      0.499     0.496     1.158     0.666     2.193    0.275     0.321     5.918
2.25     1.127
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=53
* File 1, Run 1, Scenario 50.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 53.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.341     0.235     0.556     0.317     0.239    0.106     0.139     0.234
1.74     0.316
     Composite CO  :     12.71     10.92     16.17     12.27      5.56     0.653     0.347     0.949
8.71    11.099
     Composite NOX :      0.501     0.499     1.162     0.669     2.208    0.283     0.330     6.074
2.30     1.143
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=54
* File 1, Run 1, Scenario 51.
```

```
* # # #
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.340     0.234     0.554     0.316     0.237    0.105     0.138     0.232
1.74     0.315
     Composite CO  :     12.77     10.98     16.27     12.33      5.65     0.655     0.348     0.955
8.71    11.160
     Composite NOX :      0.504     0.501     1.165     0.671     2.222    0.289     0.338     6.225
2.34     1.159
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=55
* File 1, Run 1, Scenario 52.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 55.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.339     0.234     0.552     0.315     0.234    0.105     0.137     0.230
1.74     0.314
     Composite CO  :     12.83     11.04     16.35     12.40      5.74     0.657     0.349     0.962
8.71    11.218
     Composite NOX :      0.506     0.503     1.169     0.674     2.236    0.296     0.346     6.370
2.38     1.175
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=56
* File 1, Run 1, Scenario 53.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 56.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.338     0.234     0.550     0.315     0.233    0.105     0.137     0.229
1.81     0.313
     Composite CO  :     12.90     11.10     16.45     12.47      5.93     0.664     0.353     0.980
9.86    11.291
     Composite NOX :      0.509     0.506     1.173     0.677     2.253    0.307     0.359     6.617
2.43     1.199
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=57
* File 1, Run 1, Scenario 54.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 57.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.337     0.234     0.548     0.314     0.231    0.104     0.137     0.228
1.88     0.313
     Composite CO  :     12.97     11.17     16.55     12.55      6.11     0.670     0.357     0.997
10.96    11.363
     Composite NOX :      0.511     0.508     1.177     0.679     2.268    0.318     0.371     6.856
2.47     1.223
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=58
* File 1, Run 1, Scenario 55.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 58.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.336     0.234     0.546     0.314     0.230    0.104     0.136     0.227
1.94     0.312
     Composite CO  :     13.03     11.23     16.64     12.62      6.29     0.676     0.360     1.014
12.02    11.431
     Composite NOX :      0.514     0.510     1.181     0.682     2.283    0.328     0.384     7.086
2.52     1.246
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=59
* File 1, Run 1, Scenario 56.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
```

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* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 59.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.335     0.234     0.544     0.313     0.229    0.104     0.136     0.226
2.01     0.312
     Composite CO  :     13.09     11.29     16.73     12.68      6.46     0.681     0.363     1.030
13.05    11.498
```

```
     Composite NOX :      0.516     0.513     1.184     0.685     2.298    0.338     0.395     7.308
2.56     1.268
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=60
* File 1, Run 1, Scenario 57.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 60.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.334     0.234     0.543     0.313     0.228    0.104     0.136     0.225
2.07     0.311
     Composite CO  :     13.15     11.34     16.82     12.75      6.62     0.687     0.366     1.045
14.05    11.562
     Composite NOX :      0.519     0.515     1.188     0.687     2.312    0.348     0.407     7.523
2.60     1.290
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=61
* File 1, Run 1, Scenario 58.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 61.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.333     0.234     0.541     0.312     0.228    0.104     0.136     0.225
2.14     0.311
     Composite CO  :     13.22     11.41     16.92     12.82      6.93     0.698     0.373     1.076
15.19    11.640
     Composite NOX :      0.521     0.518     1.192     0.690     2.328    0.364     0.426     7.882
2.65     1.324
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=62
* File 1, Run 1, Scenario 59.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 62.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.333     0.234     0.539     0.312     0.228    0.104     0.136     0.225
2.21     0.311
     Composite CO  :     13.28     11.47     17.02     12.89      7.23     0.708     0.379     1.106
16.29    11.716
     Composite NOX :      0.524     0.520     1.196     0.693     2.343    0.380     0.445     8.230
2.70     1.358
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=63
* File 1, Run 1, Scenario 60.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 63.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.332     0.234     0.538     0.312     0.228    0.104     0.136     0.225
2.28     0.311
     Composite CO  :     13.35     11.53     17.11     12.96      7.52     0.719     0.385     1.134
17.35    11.790
     Composite NOX :      0.527     0.522     1.200     0.696     2.358    0.395     0.462     8.566
2.74     1.390
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=64
* File 1, Run 1, Scenario 61.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 64.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2011
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.331     0.234     0.536     0.311     0.228    0.104     0.136     0.225
2.35     0.310
     Composite CO  :     13.41     11.59     17.20     13.03      7.80     0.729     0.390     1.162
18.38    11.861
     Composite NOX :      0.529     0.525     1.203     0.699     2.373    0.410     0.480     8.891
2.78     1.421
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
```

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  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=65
* File 1, Run 1, Scenario 62.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 65.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2011
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.3      17.2       9.7      32.3      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.331     0.234     0.534     0.311     0.228    0.104     0.136     0.225
2.41     0.310
     Composite CO  :     13.47     11.65     17.29     13.10      8.07     0.738     0.396     1.189
19.38    11.930
     Composite NOX :      0.531     0.527     1.207     0.701     2.387    0.424     0.497     9.207
2.83     1.451
     Composite CO2 :    368.1     478.8     622.2     515.5     912.9    315.3     506.3    1457.0      177.4
568.06
  ---------------------------------------------------------------------------------------------------------
-----------
```

FILE	RUN	SCEN	CAL_YEAR	POL	VTYPE	GM_MILE	GM_DAY	STARTS	ENDS	MILES	MPG	VMT
1	1	1	2011	4	1	368.1	11047.1		7.2800	5.3799	30.0117	24.09
	0.281246											
1	1	1	2011	4	2	478.8	19245.9		8.0600	5.7548	40.1957	18.52
	0.101405											
1	1	1	2011	4	3	478.8	19245.9		8.0600	5.7548	40.1957	18.52
	0.337320											
1	1	1	2011	4	4	622.2	23529.2		8.0600	5.7548	37.8166	14.25
	0.103547											
1	1	1	2011	4	5	622.2	23529.2		8.0600	5.7548	37.8166	14.25
	0.047578											
1	1	1	2011	4	6	878.0	33162.6		6.8800	4.9123	37.7707	10.10
	0.027524											
1	1	1	2011	4	7	947.2	35776.9		6.8800	4.9123	37.7707	9.36
	0.000969											
1	1	1	2011	4	8	951.0	34704.5		6.8800	4.9123	36.4932	9.33
	0.000281											
1	1	1	2011	4	9	1108.7	40460.9		6.8800	4.9123	36.4931	8.00
	0.000959											
1	1	1	2011	4	10	1092.4	39865.3		6.8800	4.9123	36.4932	8.12
	0.001996											
1	1	1	2011	4	11	1192.7	43526.7		6.8800	4.9123	36.4932	7.44
	0.000819											
1	1	1	2011	4	12	1257.2	45878.8		6.8800	4.9123	36.4932	7.05
	0.000002											
1	1	1	2011	4	13	0.0	0.0		0.0000	0.0000	0.0000	0.00
	0.000000											
1	1	1	2011	4	14	315.3	9461.2		7.2800	5.1979	30.0117	32.28
	0.000028											
1	1	1	2011	4	15	460.4	22232.4		8.0600	5.7548	48.2848	22.10
	0.004518											
1	1	1	2011	4	16	786.9	35451.7		6.6500	4.7481	45.0549	12.93
	0.008198											
1	1	1	2011	4	17	873.8	41290.7		6.6500	4.7481	47.2522	11.65
	0.002544											
1	1	1	2011	4	18	999.5	56654.8		6.6500	4.7481	56.6821	10.18
	0.002699											
1	1	1	2011	4	19	1032.4	58516.2		6.6500	4.7481	56.6821	9.86
	0.001293											
1	1	1	2011	4	20	1169.6	75742.5		6.6500	4.7481	64.7605	8.70
	0.006032											
1	1	1	2011	4	21	1351.7	87537.1		6.6500	4.7481	64.7605	7.53
	0.008655											
1	1	1	2011	4	22	1546.3	201361.0		6.6500	4.7481	130.2221	6.58
	0.010278											
1	1	1	2011	4	23	1619.2	320296.8		6.6500	4.7481	197.8148	6.28
	0.036527											
1	1	1	2011	4	24	177.4	1522.2		1.3500	0.9639	8.5822	50.00
	0.002374											
1	1	1	2011	4	25	1379.1	37554.4		6.8800	4.9123	27.2301	6.43
	0.000303											
1	1	1	2011	4	26	2345.7	229268.0		6.6500	4.7481	97.7390	4.34
	0.003655											
1	1	1	2011	4	27	1644.5	44779.3		6.6500	4.7481	27.2301	6.19
	0.007008											
1	1	1	2011	4	28	598.6	26321.1		8.0600	5.7548	43.9743	17.00
	0.002242											
1	1	1	2011	1	1	2.9209	87.661		7.2800	5.3799	30.0117	24.09
	0.281246											
1	1	1	2011	1	2	1.5745	63.287		8.0600	5.7548	40.1957	18.52
	0.101405											
1	1	1	2011	1	3	1.6747	67.315		8.0600	5.7548	40.1957	18.52
	0.337320											
1	1	1	2011	1	4	3.8306	144.860		8.0600	5.7548	37.8166	14.25
	0.103547											
1	1	1	2011	1	5	4.0337	152.542		8.0600	5.7548	37.8166	14.25
	0.047578											
1	1	1	2011	1	6	4.2572	160.798		6.8800	4.9123	37.7707	10.10
	0.027524											
1	1	1	2011	1	7	4.2590	160.866		6.8800	4.9123	37.7707	9.36
	0.000969											
1	1	1	2011	1	8	3.6547	133.373		6.8800	4.9123	36.4932	9.33
	0.000281											
1	1	1	2011	1	9	3.8907	141.984		6.8800	4.9123	36.4931	8.00
	0.000959											
1	1	1	2011	1	10	3.8802	141.600		6.8800	4.9123	36.4932	8.12
	0.001996											
1	1	1	2011	1	11	4.1119	150.056		6.8800	4.9123	36.4932	7.44
	0.000819											
1	1	1	2011	1	12	4.2493	155.072		6.8800	4.9123	36.4932	7.05
	0.000002											
1	1	1	2011	1	13	0.0000	0.000		0.0000	0.0000	0.0000	0.00
	0.000000											
1	1	1	2011	1	14	0.3224	9.676		7.2800	5.1979	30.0117	32.28
	0.000028											
1	1	1	2011	1	15	0.2464	11.899		8.0600	5.7548	48.2848	22.10
	0.004518											
1	1	1	2011	1	16	0.4590	20.681		6.6500	4.7481	45.0549	12.93
	0.008198											
1	1	1	2011	1	17	0.5008	23.666		6.6500	4.7481	47.2522	11.65
	0.002544											
1	1	1	2011	1	18	0.6540	37.073		6.6500	4.7481	56.6821	10.18
	0.002699											
1	1	1	2011	1	19	0.7252	41.106		6.6500	4.7481	56.6821	9.86
	0.001293											

1	1	1	2011	1	20	0.8576	55.538	6.6500	4.7481	64.7605	8.70	0.006032
1	1	1	2011	1	21	1.0499	67.992	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2011	1	22	1.0980	142.978	6.6500	4.7481	130.2221	6.58	0.010278
1	1	1	2011	1	23	1.2928	255.739	6.6500	4.7481	197.8148	6.28	0.036527
1	1	1	2011	1	24	9.3873	80.564	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2011	1	25	7.6940	209.510	6.8800	4.9123	27.2301	6.43	0.000303
1	1	1	2011	1	26	1.0030	98.034	6.6500	4.7481	97.7390	4.34	0.003655
1	1	1	2011	1	27	1.5522	42.267	6.6500	4.7481	27.2301	6.19	0.007008
1	1	1	2011	1	28	0.8522	37.475	8.0600	5.7548	43.9743	17.00	0.002242
1	1	1	2011	2	1	24.0965	723.177	7.2800	5.3799	30.0117	24.09	0.281246
1	1	1	2011	2	2	19.3626	778.292	8.0600	5.7548	40.1957	18.52	0.101405
1	1	1	2011	2	3	20.5035	824.152	8.0600	5.7548	40.1957	18.52	0.337320
1	1	1	2011	2	4	32.8287	1241.471	8.0600	5.7548	37.8166	14.25	0.103547
1	1	1	2011	2	5	33.3192	1260.020	8.0600	5.7548	37.8166	14.25	0.047578
1	1	1	2011	2	6	34.0741	1287.004	6.8800	4.9123	37.7707	10.10	0.027524
1	1	1	2011	2	7	37.8161	1428.340	6.8800	4.9123	37.7707	9.36	0.000969
1	1	1	2011	2	8	36.5580	1334.115	6.8800	4.9123	36.4932	9.33	0.000281
1	1	1	2011	2	9	42.6045	1554.774	6.8800	4.9123	36.4931	8.00	0.000959
1	1	1	2011	2	10	42.2124	1540.465	6.8800	4.9123	36.4932	8.12	0.001996
1	1	1	2011	2	11	50.0359	1825.968	6.8800	4.9123	36.4932	7.44	0.000819
1	1	1	2011	2	12	53.3291	1946.148	6.8800	4.9123	36.4932	7.05	0.000002
1	1	1	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	1	2011	2	14	2.5416	76.279	7.2800	5.1979	30.0117	32.28	0.000028
1	1	1	2011	2	15	1.1767	56.818	8.0600	5.7548	48.2848	22.10	0.004518
1	1	1	2011	2	16	2.4466	110.231	6.6500	4.7481	45.0549	12.93	0.008198
1	1	1	2011	2	17	2.5979	122.756	6.6500	4.7481	47.2522	11.65	0.002544
1	1	1	2011	2	18	3.6723	208.156	6.6500	4.7481	56.6821	10.18	0.002699
1	1	1	2011	2	19	3.9613	224.534	6.6500	4.7481	56.6821	9.86	0.001293
1	1	1	2011	2	20	3.8010	246.155	6.6500	4.7481	64.7605	8.70	0.006032
1	1	1	2011	2	21	4.6794	303.039	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2011	2	22	6.1123	795.956	6.6500	4.7481	130.2221	6.58	0.010278
1	1	1	2011	2	23	7.7048	1524.125	6.6500	4.7481	197.8148	6.28	0.036527
1	1	1	2011	2	24	86.3669	741.220	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2011	2	25	60.7467	1654.140	6.8800	4.9123	27.2301	6.43	0.000303
1	1	1	2011	2	26	11.9754	1170.461	6.6500	4.7481	97.7390	4.34	0.003655
1	1	1	2011	2	27	7.2440	197.254	6.6500	4.7481	27.2301	6.19	0.007008
1	1	1	2011	2	28	1.9470	85.616	8.0600	5.7548	43.9743	17.00	0.002242
1	1	1	2011	3	1	0.8902	26.716	7.2800	5.3799	30.0117	24.09	0.281246
1	1	1	2011	3	2	0.6370	25.606	8.0600	5.7548	40.1957	18.52	0.101405
1	1	1	2011	3	3	0.9705	39.008	8.0600	5.7548	40.1957	18.52	0.337320
1	1	1	2011	3	4	1.8337	69.343	8.0600	5.7548	37.8166	14.25	0.103547
1	1	1	2011	3	5	2.5073	94.817	8.0600	5.7548	37.8166	14.25	0.047578
1	1	1	2011	3	6	1.4141	53.412	6.8800	4.9123	37.7707	10.10	0.027524
1	1	1	2011	3	7	1.4951	56.469	6.8800	4.9123	37.7707	9.36	0.000969
1	1	1	2011	3	8	1.3199	48.166	6.8800	4.9123	36.4932	9.33	0.000281
1	1	1	2011	3	9	1.5315	55.890	6.8800	4.9123	36.4931	8.00	0.000959
1	1	1	2011	3	10	1.5217	55.532	6.8800	4.9123	36.4932	8.12	0.001996

1	1	1	2011	3	11	1.6782	61.242	6.8800	4.9123	36.4932	7.44	0.000819
1	1	1	2011	3	12	1.7917	65.385	6.8800	4.9123	36.4932	7.05	0.000002
1	1	1	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	1	2011	3	14	0.4261	12.789	7.2800	5.1979	30.0117	32.28	0.000028
1	1	1	2011	3	15	0.2743	13.245	8.0600	5.7548	48.2848	22.10	0.004518
1	1	1	2011	3	16	3.5005	157.714	6.6500	4.7481	45.0549	12.93	0.008198
1	1	1	2011	3	17	3.6864	174.192	6.6500	4.7481	47.2522	11.65	0.002544
1	1	1	2011	3	18	5.0935	288.712	6.6500	4.7481	56.6821	10.18	0.002699
1	1	1	2011	3	19	5.5069	312.142	6.6500	4.7481	56.6821	9.86	0.001293
1	1	1	2011	3	20	6.3860	413.560	6.6500	4.7481	64.7605	8.70	0.006032
1	1	1	2011	3	21	7.8901	510.964	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2011	3	22	8.8736	1155.538	6.6500	4.7481	130.2221	6.58	0.010278
1	1	1	2011	3	23	10.5985	2096.540	6.6500	4.7481	197.8148	6.28	0.036527
1	1	1	2011	3	24	1.7874	15.340	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2011	3	25	2.9539	80.436	6.8800	4.9123	27.2301	6.43	0.000303
1	1	1	2011	3	26	18.7861	1836.137	6.6500	4.7481	97.7390	4.34	0.003655
1	1	1	2011	3	27	12.9827	353.521	6.6500	4.7481	27.2301	6.19	0.007008
1	1	1	2011	3	28	0.9513	41.831	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	2	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	2	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	2	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	2	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	2	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	2	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	2	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	2	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	2	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	2	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	2	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	2	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	2	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	2	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	2	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	2	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	2	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	2	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	2	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	2	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	2	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	2	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	2	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2011	1	1	1.0875	32.639	7.2800	5.3799	30.0117	24.09	0.281246

1	1	2	2011	1	2	0.6265	25.185	8.0600	5.7548	40.1957	18.52	0.101405
1	1	2	2011	1	3	0.6951	27.940	8.0600	5.7548	40.1957	18.52	0.337320
1	1	2	2011	1	4	1.6274	61.545	8.0600	5.7548	37.8166	14.25	0.103547
1	1	2	2011	1	5	1.7632	66.678	8.0600	5.7548	37.8166	14.25	0.047578
1	1	2	2011	1	6	2.0156	76.132	6.8800	4.9123	37.7707	10.10	0.027524
1	1	2	2011	1	7	2.0171	76.186	6.8800	4.9123	37.7707	9.36	0.000969
1	1	2	2011	1	8	1.7778	64.876	6.8800	4.9123	36.4932	9.33	0.000281
1	1	2	2011	1	9	1.9658	71.739	6.8800	4.9123	36.4931	8.00	0.000959
1	1	2	2011	1	10	1.9574	71.432	6.8800	4.9123	36.4932	8.12	0.001996
1	1	2	2011	1	11	2.1421	78.172	6.8800	4.9123	36.4932	7.44	0.000819
1	1	2	2011	1	12	2.2516	82.169	6.8800	4.9123	36.4932	7.05	0.000002
1	1	2	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2011	1	14	0.2890	8.673	7.2800	5.1979	30.0117	32.28	0.000028
1	1	2	2011	1	15	0.2201	10.629	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2011	1	16	0.4034	18.174	6.6500	4.7481	45.0549	12.93	0.008198
1	1	2	2011	1	17	0.4401	20.797	6.6500	4.7481	47.2522	11.65	0.002544
1	1	2	2011	1	18	0.5747	32.578	6.6500	4.7481	56.6821	10.18	0.002699
1	1	2	2011	1	19	0.6373	36.122	6.6500	4.7481	56.6821	9.86	0.001293
1	1	2	2011	1	20	0.7536	48.804	6.6500	4.7481	64.7605	8.70	0.006032
1	1	2	2011	1	21	0.9226	59.748	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2011	1	22	0.9648	125.642	6.6500	4.7481	130.2221	6.58	0.010278
1	1	2	2011	1	23	1.1361	224.732	6.6500	4.7481	197.8148	6.28	0.036527
1	1	2	2011	1	24	6.1476	52.760	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2011	1	25	3.6861	100.374	6.8800	4.9123	27.2301	6.43	0.000303
1	1	2	2011	1	26	0.8814	86.148	6.6500	4.7481	97.7390	4.34	0.003655
1	1	2	2011	1	27	1.3640	37.142	6.6500	4.7481	27.2301	6.19	0.007008
1	1	2	2011	1	28	0.7617	33.497	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2011	2	1	16.7149	501.644	7.2800	5.3799	30.0117	24.09	0.281246
1	1	2	2011	2	2	13.6281	547.791	8.0600	5.7548	40.1957	18.52	0.101405
1	1	2	2011	2	3	14.3985	578.757	8.0600	5.7548	40.1957	18.52	0.337320
1	1	2	2011	2	4	22.0945	835.540	8.0600	5.7548	37.8166	14.25	0.103547
1	1	2	2011	2	5	22.4564	849.225	8.0600	5.7548	37.8166	14.25	0.047578
1	1	2	2011	2	6	27.2258	1028.336	6.8800	4.9123	37.7707	10.10	0.027524
1	1	2	2011	2	7	30.2156	1141.266	6.8800	4.9123	37.7707	9.36	0.000969
1	1	2	2011	2	8	29.2104	1065.979	6.8800	4.9123	36.4932	9.33	0.000281
1	1	2	2011	2	9	34.0417	1242.288	6.8800	4.9123	36.4931	8.00	0.000959
1	1	2	2011	2	10	33.7284	1230.855	6.8800	4.9123	36.4932	8.12	0.001996
1	1	2	2011	2	11	39.9795	1458.976	6.8800	4.9123	36.4932	7.44	0.000819
1	1	2	2011	2	12	42.6108	1555.002	6.8800	4.9123	36.4932	7.05	0.000002
1	1	2	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2011	2	14	2.1327	64.006	7.2800	5.1979	30.0117	32.28	0.000028
1	1	2	2011	2	15	0.9822	47.428	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2011	2	16	1.9972	89.985	6.6500	4.7481	45.0549	12.93	0.008198
1	1	2	2011	2	17	2.1207	100.209	6.6500	4.7481	47.2522	11.65	0.002544
1	1	2	2011	2	18	2.9978	169.924	6.6500	4.7481	56.6821	10.18	0.002699
1	1	2	2011	2	19	3.2337	183.294	6.6500	4.7481	56.6821	9.86	0.001293
1	1	2	2011	2	20	3.1029	200.943	6.6500	4.7481	64.7605	8.70	0.006032

1	1	2	2011	2	21	3.8199	247.379	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2011	2	22	4.9896	649.762	6.6500	4.7481	130.2221	6.58	0.010278
1	1	2	2011	2	23	6.2897	1244.188	6.6500	4.7481	197.8148	6.28	0.036527
1	1	2	2011	2	24	51.5686	442.573	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2011	2	25	48.5375	1321.683	6.8800	4.9123	27.2301	6.43	0.000303
1	1	2	2011	2	26	9.7758	955.482	6.6500	4.7481	97.7390	4.34	0.003655
1	1	2	2011	2	27	5.9135	161.024	6.6500	4.7481	27.2301	6.19	0.007008
1	1	2	2011	2	28	1.6303	71.692	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2011	3	1	0.7886	23.666	7.2800	5.3799	30.0117	24.09	0.281246
1	1	2	2011	3	2	0.5654	22.726	8.0600	5.7548	40.1957	18.52	0.101405
1	1	2	2011	3	3	0.8557	34.396	8.0600	5.7548	40.1957	18.52	0.337320
1	1	2	2011	3	4	1.6101	60.888	8.0600	5.7548	37.8166	14.25	0.103547
1	1	2	2011	3	5	2.1886	82.767	8.0600	5.7548	37.8166	14.25	0.047578
1	1	2	2011	3	6	1.4509	54.801	6.8800	4.9123	37.7707	10.10	0.027524
1	1	2	2011	3	7	1.5339	57.938	6.8800	4.9123	37.7707	9.36	0.000969
1	1	2	2011	3	8	1.3542	49.419	6.8800	4.9123	36.4932	9.33	0.000281
1	1	2	2011	3	9	1.5714	57.344	6.8800	4.9123	36.4931	8.00	0.000959
1	1	2	2011	3	10	1.5613	56.976	6.8800	4.9123	36.4932	8.12	0.001996
1	1	2	2011	3	11	1.7218	62.835	6.8800	4.9123	36.4932	7.44	0.000819
1	1	2	2011	3	12	1.8383	67.085	6.8800	4.9123	36.4932	7.05	0.000002
1	1	2	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2011	3	14	0.3841	11.529	7.2800	5.1979	30.0117	32.28	0.000028
1	1	2	2011	3	15	0.2471	11.933	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2011	3	16	3.1463	141.754	6.6500	4.7481	45.0549	12.93	0.008198
1	1	2	2011	3	17	3.3134	156.565	6.6500	4.7481	47.2522	11.65	0.002544
1	1	2	2011	3	18	4.5781	259.497	6.6500	4.7481	56.6821	10.18	0.002699
1	1	2	2011	3	19	4.9496	280.556	6.6500	4.7481	56.6821	9.86	0.001293
1	1	2	2011	3	20	5.7337	371.316	6.6500	4.7481	64.7605	8.70	0.006032
1	1	2	2011	3	21	7.0841	458.768	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2011	3	22	7.9863	1039.987	6.6500	4.7481	130.2221	6.58	0.010278
1	1	2	2011	3	23	9.5500	1889.132	6.6500	4.7481	197.8148	6.28	0.036527
1	1	2	2011	3	24	1.6761	14.385	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2011	3	25	3.0308	82.528	6.8800	4.9123	27.2301	6.43	0.000303
1	1	2	2011	3	26	16.8566	1647.543	6.6500	4.7481	97.7390	4.34	0.003655
1	1	2	2011	3	27	11.6497	317.223	6.6500	4.7481	27.2301	6.19	0.007008
1	1	2	2011	3	28	0.8570	37.685	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	3	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	3	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	3	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	3	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	3	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	3	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	3	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	3	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	3	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	3	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819

1	1	3	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	3	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	3	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	3	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	3	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	3	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	3	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	3	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	3	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	3	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	3	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	3	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	3	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2011	1	1	0.9281	27.854	7.2800	5.3799	30.0117	24.09	0.281246
1	1	3	2011	1	2	0.5379	21.623	8.0600	5.7548	40.1957	18.52	0.101405
1	1	3	2011	1	3	0.6001	24.120	8.0600	5.7548	40.1957	18.52	0.337320
1	1	3	2011	1	4	1.4075	53.228	8.0600	5.7548	37.8166	14.25	0.103547
1	1	3	2011	1	5	1.5296	57.844	8.0600	5.7548	37.8166	14.25	0.047578
1	1	3	2011	1	6	1.7282	65.274	6.8800	4.9123	37.7707	10.10	0.027524
1	1	3	2011	1	7	1.7294	65.322	6.8800	4.9123	37.7707	9.36	0.000969
1	1	3	2011	1	8	1.5290	55.799	6.8800	4.9123	36.4932	9.33	0.000281
1	1	3	2011	1	9	1.6955	61.873	6.8800	4.9123	36.4931	8.00	0.000959
1	1	3	2011	1	10	1.6880	61.602	6.8800	4.9123	36.4932	8.12	0.001996
1	1	3	2011	1	11	1.8515	67.567	6.8800	4.9123	36.4932	7.44	0.000819
1	1	3	2011	1	12	1.9484	71.105	6.8800	4.9123	36.4932	7.05	0.000002
1	1	3	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2011	1	14	0.2717	8.153	7.2800	5.1979	30.0117	32.28	0.000028
1	1	3	2011	1	15	0.2065	9.970	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2011	1	16	0.3745	16.872	6.6500	4.7481	45.0549	12.93	0.008198
1	1	3	2011	1	17	0.4086	19.307	6.6500	4.7481	47.2522	11.65	0.002544
1	1	3	2011	1	18	0.5336	30.244	6.6500	4.7481	56.6821	10.18	0.002699
1	1	3	2011	1	19	0.5916	33.534	6.6500	4.7481	56.6821	9.86	0.001293
1	1	3	2011	1	20	0.6996	45.308	6.6500	4.7481	64.7605	8.70	0.006032
1	1	3	2011	1	21	0.8565	55.467	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2011	1	22	0.8957	116.640	6.6500	4.7481	130.2221	6.58	0.010278
1	1	3	2011	1	23	1.0547	208.630	6.6500	4.7481	197.8148	6.28	0.036527
1	1	3	2011	1	24	5.3283	45.729	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2011	1	25	3.1598	86.041	6.8800	4.9123	27.2301	6.43	0.000303
1	1	3	2011	1	26	0.8183	79.975	6.6500	4.7481	97.7390	4.34	0.003655
1	1	3	2011	1	27	1.2663	34.481	6.6500	4.7481	27.2301	6.19	0.007008
1	1	3	2011	1	28	0.7148	31.431	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2011	2	1	15.5860	467.762	7.2800	5.3799	30.0117	24.09	0.281246
1	1	3	2011	2	2	12.7188	511.242	8.0600	5.7548	40.1957	18.52	0.101405

1	1	3	2011	2	3	13.4368	540.103	8.0600	5.7548	40.1957	18.52	0.337320
1	1	3	2011	2	4	20.4226	772.315	8.0600	5.7548	37.8166	14.25	0.103547
1	1	3	2011	2	5	20.7650	785.263	8.0600	5.7548	37.8166	14.25	0.047578
1	1	3	2011	2	6	24.1884	913.612	6.8800	4.9123	37.7707	10.10	0.027524
1	1	3	2011	2	7	26.8447	1013.943	6.8800	4.9123	37.7707	9.36	0.000969
1	1	3	2011	2	8	25.9516	947.055	6.8800	4.9123	36.4932	9.33	0.000281
1	1	3	2011	2	9	30.2439	1103.695	6.8800	4.9123	36.4931	8.00	0.000959
1	1	3	2011	2	10	29.9656	1093.537	6.8800	4.9123	36.4932	8.12	0.001996
1	1	3	2011	2	11	35.5192	1296.209	6.8800	4.9123	36.4932	7.44	0.000819
1	1	3	2011	2	12	37.8570	1381.522	6.8800	4.9123	36.4932	7.05	0.000002
1	1	3	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2011	2	14	1.9446	58.361	7.2800	5.1979	30.0117	32.28	0.000028
1	1	3	2011	2	15	0.8928	43.108	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2011	2	16	1.7905	80.672	6.6500	4.7481	45.0549	12.93	0.008198
1	1	3	2011	2	17	1.9013	89.839	6.6500	4.7481	47.2522	11.65	0.002544
1	1	3	2011	2	18	2.6876	152.339	6.6500	4.7481	56.6821	10.18	0.002699
1	1	3	2011	2	19	2.8991	164.325	6.6500	4.7481	56.6821	9.86	0.001293
1	1	3	2011	2	20	2.7818	180.148	6.6500	4.7481	64.7605	8.70	0.006032
1	1	3	2011	2	21	3.4246	221.778	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2011	2	22	4.4733	582.518	6.6500	4.7481	130.2221	6.58	0.010278
1	1	3	2011	2	23	5.6387	1115.426	6.6500	4.7481	197.8148	6.28	0.036527
1	1	3	2011	2	24	43.3787	372.286	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2011	2	25	43.1225	1174.233	6.8800	4.9123	27.2301	6.43	0.000303
1	1	3	2011	2	26	8.7641	856.598	6.6500	4.7481	97.7390	4.34	0.003655
1	1	3	2011	2	27	5.3015	144.360	6.6500	4.7481	27.2301	6.19	0.007008
1	1	3	2011	2	28	1.4847	65.287	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2011	3	1	0.7417	22.261	7.2800	5.3799	30.0117	24.09	0.281246
1	1	3	2011	3	2	0.5307	21.333	8.0600	5.7548	40.1957	18.52	0.101405
1	1	3	2011	3	3	0.8049	32.353	8.0600	5.7548	40.1957	18.52	0.337320
1	1	3	2011	3	4	1.5185	57.423	8.0600	5.7548	37.8166	14.25	0.103547
1	1	3	2011	3	5	2.0683	78.216	8.0600	5.7548	37.8166	14.25	0.047578
1	1	3	2011	3	6	1.4754	55.727	6.8800	4.9123	37.7707	10.10	0.027524
1	1	3	2011	3	7	1.5599	58.917	6.8800	4.9123	37.7707	9.36	0.000969
1	1	3	2011	3	8	1.3771	50.254	6.8800	4.9123	36.4932	9.33	0.000281
1	1	3	2011	3	9	1.5979	58.313	6.8800	4.9123	36.4931	8.00	0.000959
1	1	3	2011	3	10	1.5877	57.939	6.8800	4.9123	36.4932	8.12	0.001996
1	1	3	2011	3	11	1.7509	63.896	6.8800	4.9123	36.4932	7.44	0.000819
1	1	3	2011	3	12	1.8694	68.219	6.8800	4.9123	36.4932	7.05	0.000002
1	1	3	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2011	3	14	0.3630	10.893	7.2800	5.1979	30.0117	32.28	0.000028
1	1	3	2011	3	15	0.2334	11.271	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2011	3	16	2.9676	133.705	6.6500	4.7481	45.0549	12.93	0.008198
1	1	3	2011	3	17	3.1252	147.675	6.6500	4.7481	47.2522	11.65	0.002544
1	1	3	2011	3	18	4.3181	244.762	6.6500	4.7481	56.6821	10.18	0.002699
1	1	3	2011	3	19	4.6686	264.625	6.6500	4.7481	56.6821	9.86	0.001293
1	1	3	2011	3	20	5.4047	350.011	6.6500	4.7481	64.7605	8.70	0.006032
1	1	3	2011	3	21	6.6776	432.444	6.6500	4.7481	64.7605	7.53	0.008655

1	1	3	2011	3	22	7.5387	981.710	6.6500	4.7481	130.2221	6.58	0.010278
1	1	3	2011	3	23	9.0212	1784.527	6.6500	4.7481	197.8148	6.28	0.036527
1	1	3	2011	3	24	1.6446	14.114	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2011	3	25	3.0820	83.922	6.8800	4.9123	27.2301	6.43	0.000303
1	1	3	2011	3	26	15.8834	1552.425	6.6500	4.7481	97.7390	4.34	0.003655
1	1	3	2011	3	27	10.9774	298.916	6.6500	4.7481	27.2301	6.19	0.007008
1	1	3	2011	3	28	0.8094	35.593	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	4	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	4	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	4	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	4	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	4	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	4	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	4	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	4	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	4	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	4	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	4	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	4	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	4	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	4	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	4	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	4	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	4	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	4	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	4	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	4	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	4	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	4	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	4	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2011	1	1	0.8142	24.437	7.2800	5.3799	30.0117	24.09	0.281246
1	1	4	2011	1	2	0.4746	19.078	8.0600	5.7548	40.1957	18.52	0.101405
1	1	4	2011	1	3	0.5322	21.391	8.0600	5.7548	40.1957	18.52	0.337320
1	1	4	2011	1	4	1.2504	47.287	8.0600	5.7548	37.8166	14.25	0.103547
1	1	4	2011	1	5	1.3627	51.534	8.0600	5.7548	37.8166	14.25	0.047578
1	1	4	2011	1	6	1.5228	57.518	6.8800	4.9123	37.7707	10.10	0.027524
1	1	4	2011	1	7	1.5240	57.562	6.8800	4.9123	37.7707	9.36	0.000969
1	1	4	2011	1	8	1.3514	49.316	6.8800	4.9123	36.4932	9.33	0.000281
1	1	4	2011	1	9	1.5024	54.826	6.8800	4.9123	36.4931	8.00	0.000959
1	1	4	2011	1	10	1.4956	54.580	6.8800	4.9123	36.4932	8.12	0.001996
1	1	4	2011	1	11	1.6439	59.992	6.8800	4.9123	36.4932	7.44	0.000819
1	1	4	2011	1	12	1.7319	63.202	6.8800	4.9123	36.4932	7.05	0.000002

1	1	4	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2011	1	14	0.2593	7.781	7.2800	5.1979	30.0117	32.28	0.000028
1	1	4	2011	1	15	0.1967	9.499	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2011	1	16	0.3538	15.942	6.6500	4.7481	45.0549	12.93	0.008198
1	1	4	2011	1	17	0.3861	18.242	6.6500	4.7481	47.2522	11.65	0.002544
1	1	4	2011	1	18	0.5041	28.576	6.6500	4.7481	56.6821	10.18	0.002699
1	1	4	2011	1	19	0.5590	31.685	6.6500	4.7481	56.6821	9.86	0.001293
1	1	4	2011	1	20	0.6611	42.810	6.6500	4.7481	64.7605	8.70	0.006032
1	1	4	2011	1	21	0.8093	52.409	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2011	1	22	0.8463	110.210	6.6500	4.7481	130.2221	6.58	0.010278
1	1	4	2011	1	23	0.9965	197.129	6.6500	4.7481	197.8148	6.28	0.036527
1	1	4	2011	1	24	4.7431	40.706	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2011	1	25	2.7838	75.803	6.8800	4.9123	27.2301	6.43	0.000303
1	1	4	2011	1	26	0.7731	75.567	6.6500	4.7481	97.7390	4.34	0.003655
1	1	4	2011	1	27	1.1965	32.580	6.6500	4.7481	27.2301	6.19	0.007008
1	1	4	2011	1	28	0.6812	29.955	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2011	2	1	14.7796	443.561	7.2800	5.3799	30.0117	24.09	0.281246
1	1	4	2011	2	2	12.0694	485.136	8.0600	5.7548	40.1957	18.52	0.101405
1	1	4	2011	2	3	12.7499	512.492	8.0600	5.7548	40.1957	18.52	0.337320
1	1	4	2011	2	4	19.2284	727.154	8.0600	5.7548	37.8166	14.25	0.103547
1	1	4	2011	2	5	19.5569	739.576	8.0600	5.7548	37.8166	14.25	0.047578
1	1	4	2011	2	6	22.0188	831.666	6.8800	4.9123	37.7707	10.10	0.027524
1	1	4	2011	2	7	24.4369	922.998	6.8800	4.9123	37.7707	9.36	0.000969
1	1	4	2011	2	8	23.6239	862.110	6.8800	4.9123	36.4932	9.33	0.000281
1	1	4	2011	2	9	27.5312	1004.700	6.8800	4.9123	36.4931	8.00	0.000959
1	1	4	2011	2	10	27.2778	995.453	6.8800	4.9123	36.4932	8.12	0.001996
1	1	4	2011	2	11	32.3334	1179.946	6.8800	4.9123	36.4932	7.44	0.000819
1	1	4	2011	2	12	34.4614	1257.607	6.8800	4.9123	36.4932	7.05	0.000002
1	1	4	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2011	2	14	1.8102	54.329	7.2800	5.1979	30.0117	32.28	0.000028
1	1	4	2011	2	15	0.8289	40.023	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2011	2	16	1.6429	74.020	6.6500	4.7481	45.0549	12.93	0.008198
1	1	4	2011	2	17	1.7445	82.431	6.6500	4.7481	47.2522	11.65	0.002544
1	1	4	2011	2	18	2.4660	139.777	6.6500	4.7481	56.6821	10.18	0.002699
1	1	4	2011	2	19	2.6600	150.775	6.6500	4.7481	56.6821	9.86	0.001293
1	1	4	2011	2	20	2.5524	165.293	6.6500	4.7481	64.7605	8.70	0.006032
1	1	4	2011	2	21	3.1422	203.491	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2011	2	22	4.1044	534.486	6.6500	4.7481	130.2221	6.58	0.010278
1	1	4	2011	2	23	5.1738	1023.453	6.6500	4.7481	197.8148	6.28	0.036527
1	1	4	2011	2	24	37.5288	322.080	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2011	2	25	39.2547	1068.911	6.8800	4.9123	27.2301	6.43	0.000303
1	1	4	2011	2	26	8.0415	785.966	6.6500	4.7481	97.7390	4.34	0.003655
1	1	4	2011	2	27	4.8643	132.457	6.6500	4.7481	27.2301	6.19	0.007008
1	1	4	2011	2	28	1.3806	60.712	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2011	3	1	0.7083	21.257	7.2800	5.3799	30.0117	24.09	0.281246
1	1	4	2011	3	2	0.5060	20.338	8.0600	5.7548	40.1957	18.52	0.101405
1	1	4	2011	3	3	0.7686	30.894	8.0600	5.7548	40.1957	18.52	0.337320

1	1	4	2011	3	4	1.4530	54.948	8.0600	5.7548	37.8166	14.25	0.103547
1	1	4	2011	3	5	1.9824	74.966	8.0600	5.7548	37.8166	14.25	0.047578
1	1	4	2011	3	6	1.4929	56.388	6.8800	4.9123	37.7707	10.10	0.027524
1	1	4	2011	3	7	1.5784	59.616	6.8800	4.9123	37.7707	9.36	0.000969
1	1	4	2011	3	8	1.3934	50.850	6.8800	4.9123	36.4932	9.33	0.000281
1	1	4	2011	3	9	1.6169	59.005	6.8800	4.9123	36.4931	8.00	0.000959
1	1	4	2011	3	10	1.6065	58.626	6.8800	4.9123	36.4932	8.12	0.001996
1	1	4	2011	3	11	1.7717	64.655	6.8800	4.9123	36.4932	7.44	0.000819
1	1	4	2011	3	12	1.8916	69.029	6.8800	4.9123	36.4932	7.05	0.000002
1	1	4	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2011	3	14	0.3478	10.439	7.2800	5.1979	30.0117	32.28	0.000028
1	1	4	2011	3	15	0.2236	10.798	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2011	3	16	2.8400	127.956	6.6500	4.7481	45.0549	12.93	0.008198
1	1	4	2011	3	17	2.9909	141.324	6.6500	4.7481	47.2522	11.65	0.002544
1	1	4	2011	3	18	4.1325	234.237	6.6500	4.7481	56.6821	10.18	0.002699
1	1	4	2011	3	19	4.4678	253.246	6.6500	4.7481	56.6821	9.86	0.001293
1	1	4	2011	3	20	5.1697	334.792	6.6500	4.7481	64.7605	8.70	0.006032
1	1	4	2011	3	21	6.3872	413.640	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2011	3	22	7.2191	940.083	6.6500	4.7481	130.2221	6.58	0.010278
1	1	4	2011	3	23	8.6435	1709.808	6.6500	4.7481	197.8148	6.28	0.036527
1	1	4	2011	3	24	1.6221	13.921	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2011	3	25	3.1185	84.918	6.8800	4.9123	27.2301	6.43	0.000303
1	1	4	2011	3	26	15.1882	1484.485	6.6500	4.7481	97.7390	4.34	0.003655
1	1	4	2011	3	27	10.4972	285.840	6.6500	4.7481	27.2301	6.19	0.007008
1	1	4	2011	3	28	0.7754	34.099	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	5	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	5	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	5	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	5	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	5	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	5	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	5	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	5	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	5	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	5	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	5	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	5	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	5	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	5	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	5	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	5	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	5	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	5	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278

1	1	5	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	5	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	5	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	5	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	5	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2011	1	1	0.7288	21.873	7.2800	5.3799	30.0117	24.09	0.281246
1	1	5	2011	1	2	0.4272	17.170	8.0600	5.7548	40.1957	18.52	0.101405
1	1	5	2011	1	3	0.4813	19.345	8.0600	5.7548	40.1957	18.52	0.337320
1	1	5	2011	1	4	1.1326	42.832	8.0600	5.7548	37.8166	14.25	0.103547
1	1	5	2011	1	5	1.2376	46.801	8.0600	5.7548	37.8166	14.25	0.047578
1	1	5	2011	1	6	1.3688	51.702	6.8800	4.9123	37.7707	10.10	0.027524
1	1	5	2011	1	7	1.3699	51.742	6.8800	4.9123	37.7707	9.36	0.000969
1	1	5	2011	1	8	1.2181	44.453	6.8800	4.9123	36.4932	9.33	0.000281
1	1	5	2011	1	9	1.3575	49.541	6.8800	4.9123	36.4931	8.00	0.000959
1	1	5	2011	1	10	1.3513	49.314	6.8800	4.9123	36.4932	8.12	0.001996
1	1	5	2011	1	11	1.4882	54.311	6.8800	4.9123	36.4932	7.44	0.000819
1	1	5	2011	1	12	1.5695	57.275	6.8800	4.9123	36.4932	7.05	0.000002
1	1	5	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2011	1	14	0.2500	7.502	7.2800	5.1979	30.0117	32.28	0.000028
1	1	5	2011	1	15	0.1894	9.146	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2011	1	16	0.3383	15.244	6.6500	4.7481	45.0549	12.93	0.008198
1	1	5	2011	1	17	0.3692	17.444	6.6500	4.7481	47.2522	11.65	0.002544
1	1	5	2011	1	18	0.4821	27.326	6.6500	4.7481	56.6821	10.18	0.002699
1	1	5	2011	1	19	0.5345	30.299	6.6500	4.7481	56.6821	9.86	0.001293
1	1	5	2011	1	20	0.6321	40.937	6.6500	4.7481	64.7605	8.70	0.006032
1	1	5	2011	1	21	0.7739	50.116	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2011	1	22	0.8093	105.388	6.6500	4.7481	130.2221	6.58	0.010278
1	1	5	2011	1	23	0.9529	188.503	6.6500	4.7481	197.8148	6.28	0.036527
1	1	5	2011	1	24	4.3042	36.939	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2011	1	25	2.5018	68.125	6.8800	4.9123	27.2301	6.43	0.000303
1	1	5	2011	1	26	0.7393	72.260	6.6500	4.7481	97.7390	4.34	0.003655
1	1	5	2011	1	27	1.1441	31.154	6.6500	4.7481	27.2301	6.19	0.007008
1	1	5	2011	1	28	0.6560	28.849	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2011	2	1	14.1748	425.410	7.2800	5.3799	30.0117	24.09	0.281246
1	1	5	2011	2	2	11.5822	465.556	8.0600	5.7548	40.1957	18.52	0.101405
1	1	5	2011	2	3	12.2348	491.785	8.0600	5.7548	40.1957	18.52	0.337320
1	1	5	2011	2	4	18.3328	693.283	8.0600	5.7548	37.8166	14.25	0.103547
1	1	5	2011	2	5	18.6508	705.311	8.0600	5.7548	37.8166	14.25	0.047578
1	1	5	2011	2	6	20.3916	770.207	6.8800	4.9123	37.7707	10.10	0.027524
1	1	5	2011	2	7	22.6310	854.789	6.8800	4.9123	37.7707	9.36	0.000969
1	1	5	2011	2	8	21.8781	798.401	6.8800	4.9123	36.4932	9.33	0.000281
1	1	5	2011	2	9	25.4967	930.454	6.8800	4.9123	36.4931	8.00	0.000959
1	1	5	2011	2	10	25.2620	921.890	6.8800	4.9123	36.4932	8.12	0.001996
1	1	5	2011	2	11	29.9440	1092.750	6.8800	4.9123	36.4932	7.44	0.000819
1	1	5	2011	2	12	31.9148	1164.671	6.8800	4.9123	36.4932	7.05	0.000002
1	1	5	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	5	2011	2	14	1.7095	51.304	7.2800	5.1979	30.0117	32.28	0.000028
1	1	5	2011	2	15	0.7810	37.709	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2011	2	16	1.5322	69.031	6.6500	4.7481	45.0549	12.93	0.008198
1	1	5	2011	2	17	1.6269	76.875	6.6500	4.7481	47.2522	11.65	0.002544
1	1	5	2011	2	18	2.2998	130.356	6.6500	4.7481	56.6821	10.18	0.002699
1	1	5	2011	2	19	2.4807	140.613	6.6500	4.7481	56.6821	9.86	0.001293
1	1	5	2011	2	20	2.3804	154.153	6.6500	4.7481	64.7605	8.70	0.006032
1	1	5	2011	2	21	2.9304	189.776	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2011	2	22	3.8278	498.462	6.6500	4.7481	130.2221	6.58	0.010278
1	1	5	2011	2	23	4.8251	954.473	6.6500	4.7481	197.8148	6.28	0.036527
1	1	5	2011	2	24	33.1413	284.426	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2011	2	25	36.3538	989.919	6.8800	4.9123	27.2301	6.43	0.000303
1	1	5	2011	2	26	7.4995	732.993	6.6500	4.7481	97.7390	4.34	0.003655
1	1	5	2011	2	27	4.5365	123.529	6.6500	4.7481	27.2301	6.19	0.007008
1	1	5	2011	2	28	1.3026	57.281	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2011	3	1	0.6832	20.504	7.2800	5.3799	30.0117	24.09	0.281246
1	1	5	2011	3	2	0.4874	19.592	8.0600	5.7548	40.1957	18.52	0.101405
1	1	5	2011	3	3	0.7414	29.800	8.0600	5.7548	40.1957	18.52	0.337320
1	1	5	2011	3	4	1.4039	53.092	8.0600	5.7548	37.8166	14.25	0.103547
1	1	5	2011	3	5	1.9179	72.528	8.0600	5.7548	37.8166	14.25	0.047578
1	1	5	2011	3	6	1.5060	56.884	6.8800	4.9123	37.7707	10.10	0.027524
1	1	5	2011	3	7	1.5923	60.140	6.8800	4.9123	37.7707	9.36	0.000969
1	1	5	2011	3	8	1.4057	51.297	6.8800	4.9123	36.4932	9.33	0.000281
1	1	5	2011	3	9	1.6311	59.524	6.8800	4.9123	36.4931	8.00	0.000959
1	1	5	2011	3	10	1.6206	59.142	6.8800	4.9123	36.4932	8.12	0.001996
1	1	5	2011	3	11	1.7873	65.224	6.8800	4.9123	36.4932	7.44	0.000819
1	1	5	2011	3	12	1.9082	69.636	6.8800	4.9123	36.4932	7.05	0.000002
1	1	5	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2011	3	14	0.3365	10.098	7.2800	5.1979	30.0117	32.28	0.000028
1	1	5	2011	3	15	0.2163	10.443	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2011	3	16	2.7443	123.644	6.6500	4.7481	45.0549	12.93	0.008198
1	1	5	2011	3	17	2.8901	136.562	6.6500	4.7481	47.2522	11.65	0.002544
1	1	5	2011	3	18	3.9932	226.343	6.6500	4.7481	56.6821	10.18	0.002699
1	1	5	2011	3	19	4.3173	244.711	6.6500	4.7481	56.6821	9.86	0.001293
1	1	5	2011	3	20	4.9935	323.379	6.6500	4.7481	64.7605	8.70	0.006032
1	1	5	2011	3	21	6.1695	399.538	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2011	3	22	6.9793	908.862	6.6500	4.7481	130.2221	6.58	0.010278
1	1	5	2011	3	23	8.3602	1653.769	6.6500	4.7481	197.8148	6.28	0.036527
1	1	5	2011	3	24	1.6052	13.776	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2011	3	25	3.1460	85.665	6.8800	4.9123	27.2301	6.43	0.000303
1	1	5	2011	3	26	14.6669	1433.529	6.6500	4.7481	97.7390	4.34	0.003655
1	1	5	2011	3	27	10.1370	276.032	6.6500	4.7481	27.2301	6.19	0.007008
1	1	5	2011	3	28	0.7500	32.979	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	6	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	6	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	6	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547

1	1	6	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	6	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	6	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	6	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	6	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	6	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	6	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	6	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	6	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	6	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	6	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	6	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	6	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	6	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	6	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	6	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	6	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	6	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	6	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	6	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2011	1	1	0.6624	19.880	7.2800	5.3799	30.0117	24.09	0.281246
1	1	6	2011	1	2	0.3902	15.686	8.0600	5.7548	40.1957	18.52	0.101405
1	1	6	2011	1	3	0.4417	17.753	8.0600	5.7548	40.1957	18.52	0.337320
1	1	6	2011	1	4	1.0410	39.367	8.0600	5.7548	37.8166	14.25	0.103547
1	1	6	2011	1	5	1.1402	43.120	8.0600	5.7548	37.8166	14.25	0.047578
1	1	6	2011	1	6	1.2490	47.177	6.8800	4.9123	37.7707	10.10	0.027524
1	1	6	2011	1	7	1.2500	47.215	6.8800	4.9123	37.7707	9.36	0.000969
1	1	6	2011	1	8	1.1145	40.671	6.8800	4.9123	36.4932	9.33	0.000281
1	1	6	2011	1	9	1.2449	45.430	6.8800	4.9123	36.4931	8.00	0.000959
1	1	6	2011	1	10	1.2391	45.218	6.8800	4.9123	36.4932	8.12	0.001996
1	1	6	2011	1	11	1.3672	49.892	6.8800	4.9123	36.4932	7.44	0.000819
1	1	6	2011	1	12	1.4431	52.665	6.8800	4.9123	36.4932	7.05	0.000002
1	1	6	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2011	1	14	0.2427	7.285	7.2800	5.1979	30.0117	32.28	0.000028
1	1	6	2011	1	15	0.1837	8.871	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2011	1	16	0.3263	14.701	6.6500	4.7481	45.0549	12.93	0.008198
1	1	6	2011	1	17	0.3560	16.823	6.6500	4.7481	47.2522	11.65	0.002544
1	1	6	2011	1	18	0.4649	26.353	6.6500	4.7481	56.6821	10.18	0.002699
1	1	6	2011	1	19	0.5155	29.220	6.6500	4.7481	56.6821	9.86	0.001293
1	1	6	2011	1	20	0.6096	39.480	6.6500	4.7481	64.7605	8.70	0.006032
1	1	6	2011	1	21	0.7463	48.332	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2011	1	22	0.7805	101.637	6.6500	4.7481	130.2221	6.58	0.010278
1	1	6	2011	1	23	0.9190	181.794	6.6500	4.7481	197.8148	6.28	0.036527

1	1	6	2011	1	24	3.9628	34.010	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2011	1	25	2.2825	62.153	6.8800	4.9123	27.2301	6.43	0.000303
1	1	6	2011	1	26	0.7130	69.688	6.6500	4.7481	97.7390	4.34	0.003655
1	1	6	2011	1	27	1.1034	30.046	6.6500	4.7481	27.2301	6.19	0.007008
1	1	6	2011	1	28	0.6365	27.988	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2011	2	1	13.7044	411.293	7.2800	5.3799	30.0117	24.09	0.281246
1	1	6	2011	2	2	11.2034	450.328	8.0600	5.7548	40.1957	18.52	0.101405
1	1	6	2011	2	3	11.8341	475.679	8.0600	5.7548	40.1957	18.52	0.337320
1	1	6	2011	2	4	17.6361	666.939	8.0600	5.7548	37.8166	14.25	0.103547
1	1	6	2011	2	5	17.9461	678.660	8.0600	5.7548	37.8166	14.25	0.047578
1	1	6	2011	2	6	19.1261	722.405	6.8800	4.9123	37.7707	10.10	0.027524
1	1	6	2011	2	7	21.2265	801.738	6.8800	4.9123	37.7707	9.36	0.000969
1	1	6	2011	2	8	20.5203	748.849	6.8800	4.9123	36.4932	9.33	0.000281
1	1	6	2011	2	9	23.9143	872.706	6.8800	4.9123	36.4931	8.00	0.000959
1	1	6	2011	2	10	23.6942	864.674	6.8800	4.9123	36.4932	8.12	0.001996
1	1	6	2011	2	11	28.0855	1024.930	6.8800	4.9123	36.4932	7.44	0.000819
1	1	6	2011	2	12	29.9340	1092.388	6.8800	4.9123	36.4932	7.05	0.000002
1	1	6	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2011	2	14	1.6311	48.952	7.2800	5.1979	30.0117	32.28	0.000028
1	1	6	2011	2	15	0.7437	35.909	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2011	2	16	1.4460	65.151	6.6500	4.7481	45.0549	12.93	0.008198
1	1	6	2011	2	17	1.5355	72.554	6.6500	4.7481	47.2522	11.65	0.002544
1	1	6	2011	2	18	2.1705	123.029	6.6500	4.7481	56.6821	10.18	0.002699
1	1	6	2011	2	19	2.3413	132.709	6.6500	4.7481	56.6821	9.86	0.001293
1	1	6	2011	2	20	2.2466	145.488	6.6500	4.7481	64.7605	8.70	0.006032
1	1	6	2011	2	21	2.7657	179.108	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2011	2	22	3.6126	470.443	6.6500	4.7481	130.2221	6.58	0.010278
1	1	6	2011	2	23	4.5539	900.822	6.6500	4.7481	197.8148	6.28	0.036527
1	1	6	2011	2	24	29.7289	255.140	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2011	2	25	34.0976	928.482	6.8800	4.9123	27.2301	6.43	0.000303
1	1	6	2011	2	26	7.0779	691.791	6.6500	4.7481	97.7390	4.34	0.003655
1	1	6	2011	2	27	4.2815	116.585	6.6500	4.7481	27.2301	6.19	0.007008
1	1	6	2011	2	28	1.2419	54.612	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2011	3	1	0.6637	19.918	7.2800	5.3799	30.0117	24.09	0.281246
1	1	6	2011	3	2	0.4730	19.011	8.0600	5.7548	40.1957	18.52	0.101405
1	1	6	2011	3	3	0.7202	28.949	8.0600	5.7548	40.1957	18.52	0.337320
1	1	6	2011	3	4	1.3657	51.648	8.0600	5.7548	37.8166	14.25	0.103547
1	1	6	2011	3	5	1.8677	70.632	8.0600	5.7548	37.8166	14.25	0.047578
1	1	6	2011	3	6	1.5163	57.270	6.8800	4.9123	37.7707	10.10	0.027524
1	1	6	2011	3	7	1.6031	60.548	6.8800	4.9123	37.7707	9.36	0.000969
1	1	6	2011	3	8	1.4152	51.645	6.8800	4.9123	36.4932	9.33	0.000281
1	1	6	2011	3	9	1.6422	59.927	6.8800	4.9123	36.4931	8.00	0.000959
1	1	6	2011	3	10	1.6316	59.543	6.8800	4.9123	36.4932	8.12	0.001996
1	1	6	2011	3	11	1.7994	65.666	6.8800	4.9123	36.4932	7.44	0.000819
1	1	6	2011	3	12	1.9211	70.108	6.8800	4.9123	36.4932	7.05	0.000002
1	1	6	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2011	3	14	0.3277	9.833	7.2800	5.1979	30.0117	32.28	0.000028

1	1	6	2011	3	15	0.2106	10.167	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2011	3	16	2.6698	120.290	6.6500	4.7481	45.0549	12.93	0.008198
1	1	6	2011	3	17	2.8117	132.857	6.6500	4.7481	47.2522	11.65	0.002544
1	1	6	2011	3	18	3.8849	220.203	6.6500	4.7481	56.6821	10.18	0.002699
1	1	6	2011	3	19	4.2002	238.074	6.6500	4.7481	56.6821	9.86	0.001293
1	1	6	2011	3	20	4.8564	314.501	6.6500	4.7481	64.7605	8.70	0.006032
1	1	6	2011	3	21	6.0001	388.569	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2011	3	22	6.7929	884.580	6.6500	4.7481	130.2221	6.58	0.010278
1	1	6	2011	3	23	8.1399	1610.183	6.6500	4.7481	197.8148	6.28	0.036527
1	1	6	2011	3	24	1.5921	13.663	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2011	3	25	3.1673	86.246	6.8800	4.9123	27.2301	6.43	0.000303
1	1	6	2011	3	26	14.2614	1393.896	6.6500	4.7481	97.7390	4.34	0.003655
1	1	6	2011	3	27	9.8569	268.405	6.6500	4.7481	27.2301	6.19	0.007008
1	1	6	2011	3	28	0.7301	32.108	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	7	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	7	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	7	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	7	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	7	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	7	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	7	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	7	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	7	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	7	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	7	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	7	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	7	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	7	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	7	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	7	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	7	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	7	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	7	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	7	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	7	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	7	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	7	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2011	1	1	0.6093	18.285	7.2800	5.3799	30.0117	24.09	0.281246
1	1	7	2011	1	2	0.3607	14.499	8.0600	5.7548	40.1957	18.52	0.101405
1	1	7	2011	1	3	0.4100	16.480	8.0600	5.7548	40.1957	18.52	0.337320
1	1	7	2011	1	4	0.9677	36.595	8.0600	5.7548	37.8166	14.25	0.103547
1	1	7	2011	1	5	1.0624	40.175	8.0600	5.7548	37.8166	14.25	0.047578

1	1	7	2011	1	6	1.1532	43.558	6.8800	4.9123	37.7707	10.10	0.027524
1	1	7	2011	1	7	1.1542	43.594	6.8800	4.9123	37.7707	9.36	0.000969
1	1	7	2011	1	8	1.0316	37.645	6.8800	4.9123	36.4932	9.33	0.000281
1	1	7	2011	1	9	1.1548	42.142	6.8800	4.9123	36.4931	8.00	0.000959
1	1	7	2011	1	10	1.1493	41.941	6.8800	4.9123	36.4932	8.12	0.001996
1	1	7	2011	1	11	1.2703	46.357	6.8800	4.9123	36.4932	7.44	0.000819
1	1	7	2011	1	12	1.3421	48.976	6.8800	4.9123	36.4932	7.05	0.000002
1	1	7	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2011	1	14	0.2370	7.112	7.2800	5.1979	30.0117	32.28	0.000028
1	1	7	2011	1	15	0.1792	8.651	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2011	1	16	0.3167	14.267	6.6500	4.7481	45.0549	12.93	0.008198
1	1	7	2011	1	17	0.3455	16.327	6.6500	4.7481	47.2522	11.65	0.002544
1	1	7	2011	1	18	0.4512	25.575	6.6500	4.7481	56.6821	10.18	0.002699
1	1	7	2011	1	19	0.5003	28.358	6.6500	4.7481	56.6821	9.86	0.001293
1	1	7	2011	1	20	0.5916	38.314	6.6500	4.7481	64.7605	8.70	0.006032
1	1	7	2011	1	21	0.7243	46.905	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2011	1	22	0.7574	98.636	6.6500	4.7481	130.2221	6.58	0.010278
1	1	7	2011	1	23	0.8919	176.427	6.6500	4.7481	197.8148	6.28	0.036527
1	1	7	2011	1	24	3.6897	31.666	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2011	1	25	2.1070	57.375	6.8800	4.9123	27.2301	6.43	0.000303
1	1	7	2011	1	26	0.6920	67.631	6.6500	4.7481	97.7390	4.34	0.003655
1	1	7	2011	1	27	1.0708	29.159	6.6500	4.7481	27.2301	6.19	0.007008
1	1	7	2011	1	28	0.6208	27.299	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2011	2	1	13.3281	399.999	7.2800	5.3799	30.0117	24.09	0.281246
1	1	7	2011	2	2	10.9003	438.145	8.0600	5.7548	40.1957	18.52	0.101405
1	1	7	2011	2	3	11.5135	462.794	8.0600	5.7548	40.1957	18.52	0.337320
1	1	7	2011	2	4	17.0788	645.864	8.0600	5.7548	37.8166	14.25	0.103547
1	1	7	2011	2	5	17.3823	657.340	8.0600	5.7548	37.8166	14.25	0.047578
1	1	7	2011	2	6	18.1136	684.164	6.8800	4.9123	37.7707	10.10	0.027524
1	1	7	2011	2	7	20.1028	759.297	6.8800	4.9123	37.7707	9.36	0.000969
1	1	7	2011	2	8	19.4340	709.208	6.8800	4.9123	36.4932	9.33	0.000281
1	1	7	2011	2	9	22.6483	826.509	6.8800	4.9123	36.4931	8.00	0.000959
1	1	7	2011	2	10	22.4399	818.902	6.8800	4.9123	36.4932	8.12	0.001996
1	1	7	2011	2	11	26.5988	970.674	6.8800	4.9123	36.4932	7.44	0.000819
1	1	7	2011	2	12	28.3494	1034.561	6.8800	4.9123	36.4932	7.05	0.000002
1	1	7	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2011	2	14	1.5684	47.071	7.2800	5.1979	30.0117	32.28	0.000028
1	1	7	2011	2	15	0.7139	34.469	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2011	2	16	1.3771	62.047	6.6500	4.7481	45.0549	12.93	0.008198
1	1	7	2011	2	17	1.4623	69.097	6.6500	4.7481	47.2522	11.65	0.002544
1	1	7	2011	2	18	2.0671	117.167	6.6500	4.7481	56.6821	10.18	0.002699
1	1	7	2011	2	19	2.2297	126.386	6.6500	4.7481	56.6821	9.86	0.001293
1	1	7	2011	2	20	2.1395	138.556	6.6500	4.7481	64.7605	8.70	0.006032
1	1	7	2011	2	21	2.6339	170.575	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2011	2	22	3.4405	448.028	6.6500	4.7481	130.2221	6.58	0.010278
1	1	7	2011	2	23	4.3369	857.901	6.6500	4.7481	197.8148	6.28	0.036527
1	1	7	2011	2	24	26.9989	231.711	1.3500	0.9639	8.5822	50.00	0.002374

1	1	7	2011	2	25	32.2926	879.331	6.8800	4.9123	27.2301	6.43	0.000303
1	1	7	2011	2	26	6.7407	658.830	6.6500	4.7481	97.7390	4.34	0.003655
1	1	7	2011	2	27	4.0775	111.031	6.6500	4.7481	27.2301	6.19	0.007008
1	1	7	2011	2	28	1.1934	52.477	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2011	3	1	0.6481	19.450	7.2800	5.3799	30.0117	24.09	0.281246
1	1	7	2011	3	2	0.4614	18.547	8.0600	5.7548	40.1957	18.52	0.101405
1	1	7	2011	3	3	0.7033	28.268	8.0600	5.7548	40.1957	18.52	0.337320
1	1	7	2011	3	4	1.3352	50.493	8.0600	5.7548	37.8166	14.25	0.103547
1	1	7	2011	3	5	1.8276	69.115	8.0600	5.7548	37.8166	14.25	0.047578
1	1	7	2011	3	6	1.5244	57.579	6.8800	4.9123	37.7707	10.10	0.027524
1	1	7	2011	3	7	1.6117	60.875	6.8800	4.9123	37.7707	9.36	0.000969
1	1	7	2011	3	8	1.4228	51.924	6.8800	4.9123	36.4932	9.33	0.000281
1	1	7	2011	3	9	1.6510	60.250	6.8800	4.9123	36.4931	8.00	0.000959
1	1	7	2011	3	10	1.6404	59.864	6.8800	4.9123	36.4932	8.12	0.001996
1	1	7	2011	3	11	1.8091	66.020	6.8800	4.9123	36.4932	7.44	0.000819
1	1	7	2011	3	12	1.9315	70.486	6.8800	4.9123	36.4932	7.05	0.000002
1	1	7	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2011	3	14	0.3206	9.621	7.2800	5.1979	30.0117	32.28	0.000028
1	1	7	2011	3	15	0.2060	9.947	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2011	3	16	2.6103	117.607	6.6500	4.7481	45.0549	12.93	0.008198
1	1	7	2011	3	17	2.7490	129.894	6.6500	4.7481	47.2522	11.65	0.002544
1	1	7	2011	3	18	3.7982	215.292	6.6500	4.7481	56.6821	10.18	0.002699
1	1	7	2011	3	19	4.1065	232.763	6.6500	4.7481	56.6821	9.86	0.001293
1	1	7	2011	3	20	4.7467	307.399	6.6500	4.7481	64.7605	8.70	0.006032
1	1	7	2011	3	21	5.8646	379.794	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2011	3	22	6.6437	865.154	6.6500	4.7481	130.2221	6.58	0.010278
1	1	7	2011	3	23	7.9636	1575.315	6.6500	4.7481	197.8148	6.28	0.036527
1	1	7	2011	3	24	1.5816	13.573	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2011	3	25	3.1844	86.711	6.8800	4.9123	27.2301	6.43	0.000303
1	1	7	2011	3	26	13.9370	1362.191	6.6500	4.7481	97.7390	4.34	0.003655
1	1	7	2011	3	27	9.6328	262.302	6.6500	4.7481	27.2301	6.19	0.007008
1	1	7	2011	3	28	0.7143	31.411	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	8	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	8	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	8	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	8	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	8	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	8	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	8	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	8	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	8	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	8	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	8	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	8	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	8	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518

1	1	8	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	8	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	8	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	8	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	8	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	8	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	8	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	8	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	8	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	8	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	8	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2011	1	1	0.5771	17.319	7.2800	5.3799	30.0117	24.09	0.281246
1	1	8	2011	1	2	0.3414	13.722	8.0600	5.7548	40.1957	18.52	0.101405
1	1	8	2011	1	3	0.3884	15.614	8.0600	5.7548	40.1957	18.52	0.337320
1	1	8	2011	1	4	0.9166	34.662	8.0600	5.7548	37.8166	14.25	0.103547
1	1	8	2011	1	5	1.0066	38.065	8.0600	5.7548	37.8166	14.25	0.047578
1	1	8	2011	1	6	1.0589	39.995	6.8800	4.9123	37.7707	10.10	0.027524
1	1	8	2011	1	7	1.0598	40.028	6.8800	4.9123	37.7707	9.36	0.000969
1	1	8	2011	1	8	0.9481	34.599	6.8800	4.9123	36.4932	9.33	0.000281
1	1	8	2011	1	9	1.0607	38.707	6.8800	4.9123	36.4931	8.00	0.000959
1	1	8	2011	1	10	1.0556	38.524	6.8800	4.9123	36.4932	8.12	0.001996
1	1	8	2011	1	11	1.1662	42.558	6.8800	4.9123	36.4932	7.44	0.000819
1	1	8	2011	1	12	1.2318	44.951	6.8800	4.9123	36.4932	7.05	0.000002
1	1	8	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2011	1	14	0.2267	6.805	7.2800	5.1979	30.0117	32.28	0.000028
1	1	8	2011	1	15	0.1711	8.262	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2011	1	16	0.2996	13.499	6.6500	4.7481	45.0549	12.93	0.008198
1	1	8	2011	1	17	0.3269	15.447	6.6500	4.7481	47.2522	11.65	0.002544
1	1	8	2011	1	18	0.4269	24.198	6.6500	4.7481	56.6821	10.18	0.002699
1	1	8	2011	1	19	0.4733	26.830	6.6500	4.7481	56.6821	9.86	0.001293
1	1	8	2011	1	20	0.5598	36.251	6.6500	4.7481	64.7605	8.70	0.006032
1	1	8	2011	1	21	0.6853	44.379	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2011	1	22	0.7167	93.324	6.6500	4.7481	130.2221	6.58	0.010278
1	1	8	2011	1	23	0.8438	166.925	6.6500	4.7481	197.8148	6.28	0.036527
1	1	8	2011	1	24	3.4610	29.703	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2011	1	25	1.9315	52.594	6.8800	4.9123	27.2301	6.43	0.000303
1	1	8	2011	1	26	0.6547	63.988	6.6500	4.7481	97.7390	4.34	0.003655
1	1	8	2011	1	27	1.0131	27.588	6.6500	4.7481	27.2301	6.19	0.007008
1	1	8	2011	1	28	0.5931	26.080	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2011	2	1	13.0602	391.959	7.2800	5.3799	30.0117	24.09	0.281246
1	1	8	2011	2	2	10.6707	428.915	8.0600	5.7548	40.1957	18.52	0.101405
1	1	8	2011	2	3	11.2733	453.139	8.0600	5.7548	40.1957	18.52	0.337320
1	1	8	2011	2	4	16.6691	630.371	8.0600	5.7548	37.8166	14.25	0.103547
1	1	8	2011	2	5	16.9681	641.675	8.0600	5.7548	37.8166	14.25	0.047578
1	1	8	2011	2	6	16.6461	628.733	6.8800	4.9123	37.7707	10.10	0.027524

1	1	8	2011	2	7	18.4741	697.779	6.8800	4.9123	37.7707	9.36	0.000969
1	1	8	2011	2	8	17.8595	651.748	6.8800	4.9123	36.4932	9.33	0.000281
1	1	8	2011	2	9	20.8134	759.545	6.8800	4.9123	36.4931	8.00	0.000959
1	1	8	2011	2	10	20.6218	752.555	6.8800	4.9123	36.4932	8.12	0.001996
1	1	8	2011	2	11	24.4438	892.030	6.8800	4.9123	36.4932	7.44	0.000819
1	1	8	2011	2	12	26.0526	950.741	6.8800	4.9123	36.4932	7.05	0.000002
1	1	8	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2011	2	14	1.4733	44.215	7.2800	5.1979	30.0117	32.28	0.000028
1	1	8	2011	2	15	0.6686	32.284	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2011	2	16	1.2726	57.336	6.6500	4.7481	45.0549	12.93	0.008198
1	1	8	2011	2	17	1.3513	63.851	6.6500	4.7481	47.2522	11.65	0.002544
1	1	8	2011	2	18	1.9102	108.272	6.6500	4.7481	56.6821	10.18	0.002699
1	1	8	2011	2	19	2.0604	116.791	6.6500	4.7481	56.6821	9.86	0.001293
1	1	8	2011	2	20	1.9771	128.037	6.6500	4.7481	64.7605	8.70	0.006032
1	1	8	2011	2	21	2.4340	157.624	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2011	2	22	3.1793	414.014	6.6500	4.7481	130.2221	6.58	0.010278
1	1	8	2011	2	23	4.0076	792.769	6.6500	4.7481	197.8148	6.28	0.036527
1	1	8	2011	2	24	24.8275	213.075	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2011	2	25	29.6762	808.088	6.8800	4.9123	27.2301	6.43	0.000303
1	1	8	2011	2	26	6.2289	608.811	6.6500	4.7481	97.7390	4.34	0.003655
1	1	8	2011	2	27	3.7679	102.601	6.6500	4.7481	27.2301	6.19	0.007008
1	1	8	2011	2	28	1.1197	49.238	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2011	3	1	0.6235	18.712	7.2800	5.3799	30.0117	24.09	0.281246
1	1	8	2011	3	2	0.4430	17.806	8.0600	5.7548	40.1957	18.52	0.101405
1	1	8	2011	3	3	0.6769	27.208	8.0600	5.7548	40.1957	18.52	0.337320
1	1	8	2011	3	4	1.2887	48.736	8.0600	5.7548	37.8166	14.25	0.103547
1	1	8	2011	3	5	1.7683	66.870	8.0600	5.7548	37.8166	14.25	0.047578
1	1	8	2011	3	6	1.5445	58.337	6.8800	4.9123	37.7707	10.10	0.027524
1	1	8	2011	3	7	1.6329	61.676	6.8800	4.9123	37.7707	9.36	0.000969
1	1	8	2011	3	8	1.4416	52.607	6.8800	4.9123	36.4932	9.33	0.000281
1	1	8	2011	3	9	1.6727	61.043	6.8800	4.9123	36.4931	8.00	0.000959
1	1	8	2011	3	10	1.6620	60.652	6.8800	4.9123	36.4932	8.12	0.001996
1	1	8	2011	3	11	1.8329	66.889	6.8800	4.9123	36.4932	7.44	0.000819
1	1	8	2011	3	12	1.9569	71.414	6.8800	4.9123	36.4932	7.05	0.000002
1	1	8	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2011	3	14	0.3087	9.266	7.2800	5.1979	30.0117	32.28	0.000028
1	1	8	2011	3	15	0.1983	9.576	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2011	3	16	2.5104	113.104	6.6500	4.7481	45.0549	12.93	0.008198
1	1	8	2011	3	17	2.6437	124.921	6.6500	4.7481	47.2522	11.65	0.002544
1	1	8	2011	3	18	3.6528	207.050	6.6500	4.7481	56.6821	10.18	0.002699
1	1	8	2011	3	19	3.9493	223.853	6.6500	4.7481	56.6821	9.86	0.001293
1	1	8	2011	3	20	4.5627	295.482	6.6500	4.7481	64.7605	8.70	0.006032
1	1	8	2011	3	21	5.6372	365.070	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2011	3	22	6.3934	832.557	6.6500	4.7481	130.2221	6.58	0.010278
1	1	8	2011	3	23	7.6678	1516.805	6.6500	4.7481	197.8148	6.28	0.036527
1	1	8	2011	3	24	1.5873	13.623	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2011	3	25	3.2263	87.852	6.8800	4.9123	27.2301	6.43	0.000303

1	1	8	2011	3	26	13.3927	1308.988	6.6500	4.7481	97.7390	4.34	0.003655
1	1	8	2011	3	27	9.2567	252.063	6.6500	4.7481	27.2301	6.19	0.007008
1	1	8	2011	3	28	0.6877	30.241	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	9	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	9	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	9	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	9	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	9	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	9	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	9	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	9	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	9	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	9	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	9	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	9	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	9	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	9	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	9	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	9	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	9	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	9	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	9	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	9	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	9	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	9	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	9	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2011	1	1	0.5503	16.514	7.2800	5.3799	30.0117	24.09	0.281246
1	1	9	2011	1	2	0.3253	13.074	8.0600	5.7548	40.1957	18.52	0.101405
1	1	9	2011	1	3	0.3705	14.892	8.0600	5.7548	40.1957	18.52	0.337320
1	1	9	2011	1	4	0.8740	33.052	8.0600	5.7548	37.8166	14.25	0.103547
1	1	9	2011	1	5	0.9601	36.307	8.0600	5.7548	37.8166	14.25	0.047578
1	1	9	2011	1	6	0.9803	37.026	6.8800	4.9123	37.7707	10.10	0.027524
1	1	9	2011	1	7	0.9811	37.056	6.8800	4.9123	37.7707	9.36	0.000969
1	1	9	2011	1	8	0.8785	32.061	6.8800	4.9123	36.4932	9.33	0.000281
1	1	9	2011	1	9	0.9822	35.845	6.8800	4.9123	36.4931	8.00	0.000959
1	1	9	2011	1	10	0.9776	35.676	6.8800	4.9123	36.4932	8.12	0.001996
1	1	9	2011	1	11	1.0794	39.392	6.8800	4.9123	36.4932	7.44	0.000819
1	1	9	2011	1	12	1.1398	41.596	6.8800	4.9123	36.4932	7.05	0.000002
1	1	9	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2011	1	14	0.2182	6.549	7.2800	5.1979	30.0117	32.28	0.000028
1	1	9	2011	1	15	0.1644	7.938	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2011	1	16	0.2854	12.859	6.6500	4.7481	45.0549	12.93	0.008198

1	1	9	2011	1	17	0.3114	14.714	6.6500	4.7481	47.2522	11.65	0.002544
1	1	9	2011	1	18	0.4067	23.050	6.6500	4.7481	56.6821	10.18	0.002699
1	1	9	2011	1	19	0.4509	25.558	6.6500	4.7481	56.6821	9.86	0.001293
1	1	9	2011	1	20	0.5332	34.531	6.6500	4.7481	64.7605	8.70	0.006032
1	1	9	2011	1	21	0.6528	42.274	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2011	1	22	0.6827	88.897	6.6500	4.7481	130.2221	6.58	0.010278
1	1	9	2011	1	23	0.8038	159.007	6.6500	4.7481	197.8148	6.28	0.036527
1	1	9	2011	1	24	3.2704	28.067	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2011	1	25	1.7852	48.610	6.8800	4.9123	27.2301	6.43	0.000303
1	1	9	2011	1	26	0.6236	60.953	6.6500	4.7481	97.7390	4.34	0.003655
1	1	9	2011	1	27	0.9651	26.279	6.6500	4.7481	27.2301	6.19	0.007008
1	1	9	2011	1	28	0.5700	25.064	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2011	2	1	12.8370	385.260	7.2800	5.3799	30.0117	24.09	0.281246
1	1	9	2011	2	2	10.4793	421.224	8.0600	5.7548	40.1957	18.52	0.101405
1	1	9	2011	2	3	11.0732	445.094	8.0600	5.7548	40.1957	18.52	0.337320
1	1	9	2011	2	4	16.3277	617.460	8.0600	5.7548	37.8166	14.25	0.103547
1	1	9	2011	2	5	16.6229	628.622	8.0600	5.7548	37.8166	14.25	0.047578
1	1	9	2011	2	6	15.4231	582.541	6.8800	4.9123	37.7707	10.10	0.027524
1	1	9	2011	2	7	17.1168	646.514	6.8800	4.9123	37.7707	9.36	0.000969
1	1	9	2011	2	8	16.5474	603.865	6.8800	4.9123	36.4932	9.33	0.000281
1	1	9	2011	2	9	19.2842	703.743	6.8800	4.9123	36.4931	8.00	0.000959
1	1	9	2011	2	10	19.1068	697.266	6.8800	4.9123	36.4932	8.12	0.001996
1	1	9	2011	2	11	22.6479	826.494	6.8800	4.9123	36.4932	7.44	0.000819
1	1	9	2011	2	12	24.1385	880.891	6.8800	4.9123	36.4932	7.05	0.000002
1	1	9	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2011	2	14	1.3940	41.836	7.2800	5.1979	30.0117	32.28	0.000028
1	1	9	2011	2	15	0.6309	30.464	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2011	2	16	1.1855	53.411	6.6500	4.7481	45.0549	12.93	0.008198
1	1	9	2011	2	17	1.2588	59.480	6.6500	4.7481	47.2522	11.65	0.002544
1	1	9	2011	2	18	1.7794	100.859	6.6500	4.7481	56.6821	10.18	0.002699
1	1	9	2011	2	19	1.9194	108.795	6.6500	4.7481	56.6821	9.86	0.001293
1	1	9	2011	2	20	1.8417	119.271	6.6500	4.7481	64.7605	8.70	0.006032
1	1	9	2011	2	21	2.2673	146.833	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2011	2	22	2.9616	385.668	6.6500	4.7481	130.2221	6.58	0.010278
1	1	9	2011	2	23	3.7332	738.492	6.6500	4.7481	197.8148	6.28	0.036527
1	1	9	2011	2	24	23.0179	197.545	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2011	2	25	27.4960	748.719	6.8800	4.9123	27.2301	6.43	0.000303
1	1	9	2011	2	26	5.8025	567.129	6.6500	4.7481	97.7390	4.34	0.003655
1	1	9	2011	2	27	3.5100	95.577	6.6500	4.7481	27.2301	6.19	0.007008
1	1	9	2011	2	28	1.0583	46.538	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2011	3	1	0.6030	18.097	7.2800	5.3799	30.0117	24.09	0.281246
1	1	9	2011	3	2	0.4276	17.189	8.0600	5.7548	40.1957	18.52	0.101405
1	1	9	2011	3	3	0.6549	26.324	8.0600	5.7548	40.1957	18.52	0.337320
1	1	9	2011	3	4	1.2500	47.272	8.0600	5.7548	37.8166	14.25	0.103547
1	1	9	2011	3	5	1.7188	64.999	8.0600	5.7548	37.8166	14.25	0.047578
1	1	9	2011	3	6	1.5612	58.968	6.8800	4.9123	37.7707	10.10	0.027524
1	1	9	2011	3	7	1.6506	62.343	6.8800	4.9123	37.7707	9.36	0.000969

1	1	9	2011	3	8	1.4572	53.176	6.8800	4.9123	36.4932	9.33	0.000281
1	1	9	2011	3	9	1.6908	61.704	6.8800	4.9123	36.4931	8.00	0.000959
1	1	9	2011	3	10	1.6800	61.308	6.8800	4.9123	36.4932	8.12	0.001996
1	1	9	2011	3	11	1.8527	67.612	6.8800	4.9123	36.4932	7.44	0.000819
1	1	9	2011	3	12	1.9781	72.186	6.8800	4.9123	36.4932	7.05	0.000002
1	1	9	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2011	3	14	0.2989	8.969	7.2800	5.1979	30.0117	32.28	0.000028
1	1	9	2011	3	15	0.1919	9.268	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2011	3	16	2.4271	109.353	6.6500	4.7481	45.0549	12.93	0.008198
1	1	9	2011	3	17	2.5560	120.778	6.6500	4.7481	47.2522	11.65	0.002544
1	1	9	2011	3	18	3.5317	200.182	6.6500	4.7481	56.6821	10.18	0.002699
1	1	9	2011	3	19	3.8183	216.427	6.6500	4.7481	56.6821	9.86	0.001293
1	1	9	2011	3	20	4.4093	285.551	6.6500	4.7481	64.7605	8.70	0.006032
1	1	9	2011	3	21	5.4478	352.800	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2011	3	22	6.1848	805.393	6.6500	4.7481	130.2221	6.58	0.010278
1	1	9	2011	3	23	7.4213	1468.047	6.6500	4.7481	197.8148	6.28	0.036527
1	1	9	2011	3	24	1.5921	13.664	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2011	3	25	3.2612	88.803	6.8800	4.9123	27.2301	6.43	0.000303
1	1	9	2011	3	26	12.9391	1264.653	6.6500	4.7481	97.7390	4.34	0.003655
1	1	9	2011	3	27	8.9434	243.529	6.6500	4.7481	27.2301	6.19	0.007008
1	1	9	2011	3	28	0.6655	29.266	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	10	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	10	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	10	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	10	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	10	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	10	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	10	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	10	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	10	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	10	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	10	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	10	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	10	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	10	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	10	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	10	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	10	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	10	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	10	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	10	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	10	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655

1	1	10	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	10	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	10	2011	1	1	0.5276	15.833	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	10	2011	1	2	0.3116	12.526	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	10	2011	1	3	0.3553	14.282	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	10	2011	1	4	0.8380	31.689	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	10	2011	1	5	0.9207	34.819	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	10	2011	1	6	0.9138	34.514	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	10	2011	1	7	0.9145	34.541	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	10	2011	1	8	0.8197	29.913	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	10	2011	1	9	0.9159	33.423	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	10	2011	1	10	0.9116	33.266	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	10	2011	1	11	1.0060	36.713	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	10	2011	1	12	1.0621	38.758	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	10	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	10	2011	1	14	0.2110	6.332	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	10	2011	1	15	0.1587	7.664	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	10	2011	1	16	0.2734	12.317	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	10	2011	1	17	0.2983	14.094	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	10	2011	1	18	0.3895	22.079	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	10	2011	1	19	0.4319	24.481	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	10	2011	1	20	0.5107	33.076	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	10	2011	1	21	0.6253	40.493	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	10	2011	1	22	0.6539	85.151	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	10	2011	1	23	0.7699	152.306	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	10	2011	1	24	3.1091	26.683	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	10	2011	1	25	1.6614	45.239	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	10	2011	1	26	0.5974	58.384	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	10	2011	1	27	0.9244	25.172	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	10	2011	1	28	0.5504	24.205	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	10	2011	2	1	12.6481	379.591	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	10	2011	2	2	10.3174	414.716	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	10	2011	2	3	10.9038	438.286	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	10	2011	2	4	16.0389	606.535	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	10	2011	2	5	16.3308	617.576	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	10	2011	2	6	14.3883	543.455	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	10	2011	2	7	15.9684	603.137	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	10	2011	2	8	15.4371	563.349	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	10	2011	2	9	17.9904	656.525	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	10	2011	2	10	17.8248	650.483	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	10	2011	2	11	21.1284	771.040	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	10	2011	2	12	22.5190	821.788	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	10	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	10	2011	2	14	1.3269	39.822	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	10	2011	2	15	0.5990	28.923	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	10	2011	2	16	1.1117	50.089	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	10	2011	2	17	1.1805	55.781	6.6500	4.7481	47.2522	11.65
0.002544											

1	1	10	2011	2	18	1.6687	94.587	6.6500	4.7481	56.6821	10.18	0.002699
1	1	10	2011	2	19	1.8000	102.029	6.6500	4.7481	56.6821	9.86	0.001293
1	1	10	2011	2	20	1.7272	111.853	6.6500	4.7481	64.7605	8.70	0.006032
1	1	10	2011	2	21	2.1263	137.701	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2011	2	22	2.7774	361.684	6.6500	4.7481	130.2221	6.58	0.010278
1	1	10	2011	2	23	3.5011	692.565	6.6500	4.7481	197.8148	6.28	0.036527
1	1	10	2011	2	24	21.4867	184.404	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2011	2	25	25.6511	698.484	6.8800	4.9123	27.2301	6.43	0.000303
1	1	10	2011	2	26	5.4416	531.860	6.6500	4.7481	97.7390	4.34	0.003655
1	1	10	2011	2	27	3.2917	89.633	6.6500	4.7481	27.2301	6.19	0.007008
1	1	10	2011	2	28	1.0063	44.253	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2011	3	1	0.5857	17.577	7.2800	5.3799	30.0117	24.09	0.281246
1	1	10	2011	3	2	0.4146	16.667	8.0600	5.7548	40.1957	18.52	0.101405
1	1	10	2011	3	3	0.6363	25.577	8.0600	5.7548	40.1957	18.52	0.337320
1	1	10	2011	3	4	1.2173	46.033	8.0600	5.7548	37.8166	14.25	0.103547
1	1	10	2011	3	5	1.6769	63.416	8.0600	5.7548	37.8166	14.25	0.047578
1	1	10	2011	3	6	1.5754	59.502	6.8800	4.9123	37.7707	10.10	0.027524
1	1	10	2011	3	7	1.6655	62.908	6.8800	4.9123	37.7707	9.36	0.000969
1	1	10	2011	3	8	1.4704	53.658	6.8800	4.9123	36.4932	9.33	0.000281
1	1	10	2011	3	9	1.7062	62.263	6.8800	4.9123	36.4931	8.00	0.000959
1	1	10	2011	3	10	1.6952	61.864	6.8800	4.9123	36.4932	8.12	0.001996
1	1	10	2011	3	11	1.8695	68.225	6.8800	4.9123	36.4932	7.44	0.000819
1	1	10	2011	3	12	1.9960	72.840	6.8800	4.9123	36.4932	7.05	0.000002
1	1	10	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2011	3	14	0.2905	8.719	7.2800	5.1979	30.0117	32.28	0.000028
1	1	10	2011	3	15	0.1865	9.007	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2011	3	16	2.3566	106.178	6.6500	4.7481	45.0549	12.93	0.008198
1	1	10	2011	3	17	2.4818	117.271	6.6500	4.7481	47.2522	11.65	0.002544
1	1	10	2011	3	18	3.4291	194.370	6.6500	4.7481	56.6821	10.18	0.002699
1	1	10	2011	3	19	3.7074	210.144	6.6500	4.7481	56.6821	9.86	0.001293
1	1	10	2011	3	20	4.2796	277.148	6.6500	4.7481	64.7605	8.70	0.006032
1	1	10	2011	3	21	5.2874	342.417	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2011	3	22	6.0083	782.408	6.6500	4.7481	130.2221	6.58	0.010278
1	1	10	2011	3	23	7.2128	1426.790	6.6500	4.7481	197.8148	6.28	0.036527
1	1	10	2011	3	24	1.5962	13.699	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2011	3	25	3.2907	89.607	6.8800	4.9123	27.2301	6.43	0.000303
1	1	10	2011	3	26	12.5553	1227.138	6.6500	4.7481	97.7390	4.34	0.003655
1	1	10	2011	3	27	8.6782	236.309	6.6500	4.7481	27.2301	6.19	0.007008
1	1	10	2011	3	28	0.6468	28.441	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	11	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	11	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	11	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	11	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	11	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	11	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	11	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281

1	1	11	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	11	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	11	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	11	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	11	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	11	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	11	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	11	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	11	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	11	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	11	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	11	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	11	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	11	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	11	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	11	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2011	1	1	0.5081	15.249	7.2800	5.3799	30.0117	24.09	0.281246
1	1	11	2011	1	2	0.2999	12.056	8.0600	5.7548	40.1957	18.52	0.101405
1	1	11	2011	1	3	0.3423	13.758	8.0600	5.7548	40.1957	18.52	0.337320
1	1	11	2011	1	4	0.8071	30.521	8.0600	5.7548	37.8166	14.25	0.103547
1	1	11	2011	1	5	0.8870	33.543	8.0600	5.7548	37.8166	14.25	0.047578
1	1	11	2011	1	6	0.8568	32.360	6.8800	4.9123	37.7707	10.10	0.027524
1	1	11	2011	1	7	0.8574	32.386	6.8800	4.9123	37.7707	9.36	0.000969
1	1	11	2011	1	8	0.7692	28.072	6.8800	4.9123	36.4932	9.33	0.000281
1	1	11	2011	1	9	0.8590	31.347	6.8800	4.9123	36.4931	8.00	0.000959
1	1	11	2011	1	10	0.8550	31.201	6.8800	4.9123	36.4932	8.12	0.001996
1	1	11	2011	1	11	0.9431	34.417	6.8800	4.9123	36.4932	7.44	0.000819
1	1	11	2011	1	12	0.9954	36.325	6.8800	4.9123	36.4932	7.05	0.000002
1	1	11	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2011	1	14	0.2048	6.146	7.2800	5.1979	30.0117	32.28	0.000028
1	1	11	2011	1	15	0.1538	7.429	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2011	1	16	0.2631	11.852	6.6500	4.7481	45.0549	12.93	0.008198
1	1	11	2011	1	17	0.2870	13.563	6.6500	4.7481	47.2522	11.65	0.002544
1	1	11	2011	1	18	0.3748	21.246	6.6500	4.7481	56.6821	10.18	0.002699
1	1	11	2011	1	19	0.4156	23.557	6.6500	4.7481	56.6821	9.86	0.001293
1	1	11	2011	1	20	0.4915	31.829	6.6500	4.7481	64.7605	8.70	0.006032
1	1	11	2011	1	21	0.6017	38.966	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2011	1	22	0.6292	81.940	6.6500	4.7481	130.2221	6.58	0.010278
1	1	11	2011	1	23	0.7409	146.563	6.6500	4.7481	197.8148	6.28	0.036527
1	1	11	2011	1	24	2.9709	25.497	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2011	1	25	1.5552	42.349	6.8800	4.9123	27.2301	6.43	0.000303
1	1	11	2011	1	26	0.5748	56.183	6.6500	4.7481	97.7390	4.34	0.003655
1	1	11	2011	1	27	0.8896	24.223	6.6500	4.7481	27.2301	6.19	0.007008

1	1	11	2011	1	28	0.5337	23.468	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2011	2	1	12.4862	374.732	7.2800	5.3799	30.0117	24.09	0.281246
1	1	11	2011	2	2	10.1787	409.138	8.0600	5.7548	40.1957	18.52	0.101405
1	1	11	2011	2	3	10.7586	432.451	8.0600	5.7548	40.1957	18.52	0.337320
1	1	11	2011	2	4	15.7912	597.172	8.0600	5.7548	37.8166	14.25	0.103547
1	1	11	2011	2	5	16.0805	608.109	8.0600	5.7548	37.8166	14.25	0.047578
1	1	11	2011	2	6	13.5013	509.953	6.8800	4.9123	37.7707	10.10	0.027524
1	1	11	2011	2	7	14.9840	565.955	6.8800	4.9123	37.7707	9.36	0.000969
1	1	11	2011	2	8	14.4855	528.620	6.8800	4.9123	36.4932	9.33	0.000281
1	1	11	2011	2	9	16.8813	616.053	6.8800	4.9123	36.4931	8.00	0.000959
1	1	11	2011	2	10	16.7260	610.383	6.8800	4.9123	36.4932	8.12	0.001996
1	1	11	2011	2	11	19.8259	723.509	6.8800	4.9123	36.4932	7.44	0.000819
1	1	11	2011	2	12	21.1308	771.128	6.8800	4.9123	36.4932	7.05	0.000002
1	1	11	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2011	2	14	1.2694	38.096	7.2800	5.1979	30.0117	32.28	0.000028
1	1	11	2011	2	15	0.5717	27.602	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2011	2	16	1.0485	47.242	6.6500	4.7481	45.0549	12.93	0.008198
1	1	11	2011	2	17	1.1134	52.610	6.6500	4.7481	47.2522	11.65	0.002544
1	1	11	2011	2	18	1.5739	89.210	6.6500	4.7481	56.6821	10.18	0.002699
1	1	11	2011	2	19	1.6977	96.229	6.6500	4.7481	56.6821	9.86	0.001293
1	1	11	2011	2	20	1.6290	105.495	6.6500	4.7481	64.7605	8.70	0.006032
1	1	11	2011	2	21	2.0055	129.874	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2011	2	22	2.6196	341.125	6.6500	4.7481	130.2221	6.58	0.010278
1	1	11	2011	2	23	3.3021	653.200	6.6500	4.7481	197.8148	6.28	0.036527
1	1	11	2011	2	24	20.1743	173.141	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2011	2	25	24.0698	655.425	6.8800	4.9123	27.2301	6.43	0.000303
1	1	11	2011	2	26	5.1323	501.628	6.6500	4.7481	97.7390	4.34	0.003655
1	1	11	2011	2	27	3.1046	84.538	6.6500	4.7481	27.2301	6.19	0.007008
1	1	11	2011	2	28	0.9618	42.295	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2011	3	1	0.5708	17.131	7.2800	5.3799	30.0117	24.09	0.281246
1	1	11	2011	3	2	0.4035	16.219	8.0600	5.7548	40.1957	18.52	0.101405
1	1	11	2011	3	3	0.6204	24.936	8.0600	5.7548	40.1957	18.52	0.337320
1	1	11	2011	3	4	1.1892	44.971	8.0600	5.7548	37.8166	14.25	0.103547
1	1	11	2011	3	5	1.6411	62.059	8.0600	5.7548	37.8166	14.25	0.047578
1	1	11	2011	3	6	1.5875	59.960	6.8800	4.9123	37.7707	10.10	0.027524
1	1	11	2011	3	7	1.6783	63.392	6.8800	4.9123	37.7707	9.36	0.000969
1	1	11	2011	3	8	1.4817	54.071	6.8800	4.9123	36.4932	9.33	0.000281
1	1	11	2011	3	9	1.7193	62.742	6.8800	4.9123	36.4931	8.00	0.000959
1	1	11	2011	3	10	1.7083	62.340	6.8800	4.9123	36.4932	8.12	0.001996
1	1	11	2011	3	11	1.8839	68.750	6.8800	4.9123	36.4932	7.44	0.000819
1	1	11	2011	3	12	2.0114	73.401	6.8800	4.9123	36.4932	7.05	0.000002
1	1	11	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2011	3	14	0.2833	8.504	7.2800	5.1979	30.0117	32.28	0.000028
1	1	11	2011	3	15	0.1819	8.783	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2011	3	16	2.2962	103.457	6.6500	4.7481	45.0549	12.93	0.008198
1	1	11	2011	3	17	2.4182	114.266	6.6500	4.7481	47.2522	11.65	0.002544
1	1	11	2011	3	18	3.3412	189.389	6.6500	4.7481	56.6821	10.18	0.002699

1	1	11	2011	3	19	3.6124	204.758	6.6500	4.7481	56.6821	9.86	0.001293
1	1	11	2011	3	20	4.1684	269.946	6.6500	4.7481	64.7605	8.70	0.006032
1	1	11	2011	3	21	5.1500	333.518	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2011	3	22	5.8570	762.707	6.6500	4.7481	130.2221	6.58	0.010278
1	1	11	2011	3	23	7.0340	1391.427	6.6500	4.7481	197.8148	6.28	0.036527
1	1	11	2011	3	24	1.5996	13.729	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2011	3	25	3.3161	90.297	6.8800	4.9123	27.2301	6.43	0.000303
1	1	11	2011	3	26	12.2263	1194.983	6.6500	4.7481	97.7390	4.34	0.003655
1	1	11	2011	3	27	8.4509	230.120	6.6500	4.7481	27.2301	6.19	0.007008
1	1	11	2011	3	28	0.6307	27.734	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	12	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	12	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	12	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	12	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	12	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	12	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	12	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	12	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	12	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	12	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	12	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	12	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	12	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	12	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	12	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	12	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	12	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	12	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	12	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	12	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	12	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	12	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	12	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2011	1	1	0.4913	14.743	7.2800	5.3799	30.0117	24.09	0.281246
1	1	12	2011	1	2	0.2898	11.649	8.0600	5.7548	40.1957	18.52	0.101405
1	1	12	2011	1	3	0.3310	13.304	8.0600	5.7548	40.1957	18.52	0.337320
1	1	12	2011	1	4	0.7803	29.509	8.0600	5.7548	37.8166	14.25	0.103547
1	1	12	2011	1	5	0.8578	32.438	8.0600	5.7548	37.8166	14.25	0.047578
1	1	12	2011	1	6	0.8073	30.494	6.8800	4.9123	37.7707	10.10	0.027524
1	1	12	2011	1	7	0.8080	30.518	6.8800	4.9123	37.7707	9.36	0.000969
1	1	12	2011	1	8	0.7255	26.477	6.8800	4.9123	36.4932	9.33	0.000281
1	1	12	2011	1	9	0.8097	29.548	6.8800	4.9123	36.4931	8.00	0.000959

1	1	12	2011	1	10	0.8059	29.411	6.8800	4.9123	36.4932	8.12	0.001996
1	1	12	2011	1	11	0.8886	32.427	6.8800	4.9123	36.4932	7.44	0.000819
1	1	12	2011	1	12	0.9376	34.216	6.8800	4.9123	36.4932	7.05	0.000002
1	1	12	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2011	1	14	0.1994	5.986	7.2800	5.1979	30.0117	32.28	0.000028
1	1	12	2011	1	15	0.1496	7.225	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2011	1	16	0.2541	11.450	6.6500	4.7481	45.0549	12.93	0.008198
1	1	12	2011	1	17	0.2773	13.102	6.6500	4.7481	47.2522	11.65	0.002544
1	1	12	2011	1	18	0.3621	20.525	6.6500	4.7481	56.6821	10.18	0.002699
1	1	12	2011	1	19	0.4015	22.757	6.6500	4.7481	56.6821	9.86	0.001293
1	1	12	2011	1	20	0.4748	30.748	6.6500	4.7481	64.7605	8.70	0.006032
1	1	12	2011	1	21	0.5813	37.642	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2011	1	22	0.6079	79.157	6.6500	4.7481	130.2221	6.58	0.010278
1	1	12	2011	1	23	0.7158	141.586	6.6500	4.7481	197.8148	6.28	0.036527
1	1	12	2011	1	24	2.8511	24.469	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2011	1	25	1.4633	39.845	6.8800	4.9123	27.2301	6.43	0.000303
1	1	12	2011	1	26	0.5553	54.275	6.6500	4.7481	97.7390	4.34	0.003655
1	1	12	2011	1	27	0.8594	23.400	6.6500	4.7481	27.2301	6.19	0.007008
1	1	12	2011	1	28	0.5192	22.830	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2011	2	1	12.3459	370.521	7.2800	5.3799	30.0117	24.09	0.281246
1	1	12	2011	2	2	10.0584	404.303	8.0600	5.7548	40.1957	18.52	0.101405
1	1	12	2011	2	3	10.6328	427.393	8.0600	5.7548	40.1957	18.52	0.337320
1	1	12	2011	2	4	15.5766	589.056	8.0600	5.7548	37.8166	14.25	0.103547
1	1	12	2011	2	5	15.8635	599.904	8.0600	5.7548	37.8166	14.25	0.047578
1	1	12	2011	2	6	12.7326	480.918	6.8800	4.9123	37.7707	10.10	0.027524
1	1	12	2011	2	7	14.1308	533.732	6.8800	4.9123	37.7707	9.36	0.000969
1	1	12	2011	2	8	13.6607	498.523	6.8800	4.9123	36.4932	9.33	0.000281
1	1	12	2011	2	9	15.9202	580.977	6.8800	4.9123	36.4931	8.00	0.000959
1	1	12	2011	2	10	15.7736	575.630	6.8800	4.9123	36.4932	8.12	0.001996
1	1	12	2011	2	11	18.6971	682.314	6.8800	4.9123	36.4932	7.44	0.000819
1	1	12	2011	2	12	19.9276	727.222	6.8800	4.9123	36.4932	7.05	0.000002
1	1	12	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2011	2	14	1.2195	36.600	7.2800	5.1979	30.0117	32.28	0.000028
1	1	12	2011	2	15	0.5480	26.458	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2011	2	16	0.9938	44.774	6.6500	4.7481	45.0549	12.93	0.008198
1	1	12	2011	2	17	1.0552	49.862	6.6500	4.7481	47.2522	11.65	0.002544
1	1	12	2011	2	18	1.4917	84.551	6.6500	4.7481	56.6821	10.18	0.002699
1	1	12	2011	2	19	1.6090	91.203	6.6500	4.7481	56.6821	9.86	0.001293
1	1	12	2011	2	20	1.5439	99.985	6.6500	4.7481	64.7605	8.70	0.006032
1	1	12	2011	2	21	1.9007	123.091	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2011	2	22	2.4827	323.308	6.6500	4.7481	130.2221	6.58	0.010278
1	1	12	2011	2	23	3.1296	619.083	6.6500	4.7481	197.8148	6.28	0.036527
1	1	12	2011	2	24	19.0369	163.379	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2011	2	25	22.6994	618.107	6.8800	4.9123	27.2301	6.43	0.000303
1	1	12	2011	2	26	4.8643	475.428	6.6500	4.7481	97.7390	4.34	0.003655
1	1	12	2011	2	27	2.9424	80.122	6.6500	4.7481	27.2301	6.19	0.007008
1	1	12	2011	2	28	0.9232	40.598	8.0600	5.7548	43.9743	17.00	0.002242

1	1	12	2011	3	1	0.5580	16.745	7.2800	5.3799	30.0117	24.09	0.281246
1	1	12	2011	3	2	0.3939	15.832	8.0600	5.7548	40.1957	18.52	0.101405
1	1	12	2011	3	3	0.6065	24.381	8.0600	5.7548	40.1957	18.52	0.337320
1	1	12	2011	3	4	1.1648	44.051	8.0600	5.7548	37.8166	14.25	0.103547
1	1	12	2011	3	5	1.6100	60.883	8.0600	5.7548	37.8166	14.25	0.047578
1	1	12	2011	3	6	1.5980	60.357	6.8800	4.9123	37.7707	10.10	0.027524
1	1	12	2011	3	7	1.6894	63.812	6.8800	4.9123	37.7707	9.36	0.000969
1	1	12	2011	3	8	1.4915	54.429	6.8800	4.9123	36.4932	9.33	0.000281
1	1	12	2011	3	9	1.7307	63.157	6.8800	4.9123	36.4931	8.00	0.000959
1	1	12	2011	3	10	1.7196	62.752	6.8800	4.9123	36.4932	8.12	0.001996
1	1	12	2011	3	11	1.8964	69.205	6.8800	4.9123	36.4932	7.44	0.000819
1	1	12	2011	3	12	2.0247	73.887	6.8800	4.9123	36.4932	7.05	0.000002
1	1	12	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2011	3	14	0.2771	8.317	7.2800	5.1979	30.0117	32.28	0.000028
1	1	12	2011	3	15	0.1779	8.589	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2011	3	16	2.2439	101.098	6.6500	4.7481	45.0549	12.93	0.008198
1	1	12	2011	3	17	2.3631	111.661	6.6500	4.7481	47.2522	11.65	0.002544
1	1	12	2011	3	18	3.2651	185.072	6.6500	4.7481	56.6821	10.18	0.002699
1	1	12	2011	3	19	3.5301	200.091	6.6500	4.7481	56.6821	9.86	0.001293
1	1	12	2011	3	20	4.0720	263.704	6.6500	4.7481	64.7605	8.70	0.006032
1	1	12	2011	3	21	5.0309	325.805	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2011	3	22	5.7259	745.633	6.6500	4.7481	130.2221	6.58	0.010278
1	1	12	2011	3	23	6.8791	1360.779	6.6500	4.7481	197.8148	6.28	0.036527
1	1	12	2011	3	24	1.6027	13.754	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2011	3	25	3.3380	90.895	6.8800	4.9123	27.2301	6.43	0.000303
1	1	12	2011	3	26	11.9411	1167.115	6.6500	4.7481	97.7390	4.34	0.003655
1	1	12	2011	3	27	8.2540	224.757	6.6500	4.7481	27.2301	6.19	0.007008
1	1	12	2011	3	28	0.6168	27.122	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	13	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	13	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	13	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	13	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	13	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	13	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	13	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	13	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	13	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	13	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	13	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	13	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	13	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	13	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	13	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	13	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293

1	1	13	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	13	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	13	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	13	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	13	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	13	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	13	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2011	1	1	0.4765	14.301	7.2800	5.3799	30.0117	24.09	0.281246
1	1	13	2011	1	2	0.2809	11.292	8.0600	5.7548	40.1957	18.52	0.101405
1	1	13	2011	1	3	0.3211	12.908	8.0600	5.7548	40.1957	18.52	0.337320
1	1	13	2011	1	4	0.7569	28.623	8.0600	5.7548	37.8166	14.25	0.103547
1	1	13	2011	1	5	0.8322	31.471	8.0600	5.7548	37.8166	14.25	0.047578
1	1	13	2011	1	6	0.7559	28.552	6.8800	4.9123	37.7707	10.10	0.027524
1	1	13	2011	1	7	0.7565	28.574	6.8800	4.9123	37.7707	9.36	0.000969
1	1	13	2011	1	8	0.6799	24.812	6.8800	4.9123	36.4932	9.33	0.000281
1	1	13	2011	1	9	0.7580	27.662	6.8800	4.9123	36.4931	8.00	0.000959
1	1	13	2011	1	10	0.7545	27.534	6.8800	4.9123	36.4932	8.12	0.001996
1	1	13	2011	1	11	0.8312	30.333	6.8800	4.9123	36.4932	7.44	0.000819
1	1	13	2011	1	12	0.8767	31.994	6.8800	4.9123	36.4932	7.05	0.000002
1	1	13	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2011	1	14	0.1926	5.780	7.2800	5.1979	30.0117	32.28	0.000028
1	1	13	2011	1	15	0.1442	6.964	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2011	1	16	0.2427	10.936	6.6500	4.7481	45.0549	12.93	0.008198
1	1	13	2011	1	17	0.2648	12.514	6.6500	4.7481	47.2522	11.65	0.002544
1	1	13	2011	1	18	0.3458	19.603	6.6500	4.7481	56.6821	10.18	0.002699
1	1	13	2011	1	19	0.3835	21.735	6.6500	4.7481	56.6821	9.86	0.001293
1	1	13	2011	1	20	0.4535	29.367	6.6500	4.7481	64.7605	8.70	0.006032
1	1	13	2011	1	21	0.5552	35.952	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2011	1	22	0.5806	75.603	6.6500	4.7481	130.2221	6.58	0.010278
1	1	13	2011	1	23	0.6836	135.228	6.6500	4.7481	197.8148	6.28	0.036527
1	1	13	2011	1	24	2.7543	23.638	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2011	1	25	1.3674	37.234	6.8800	4.9123	27.2301	6.43	0.000303
1	1	13	2011	1	26	0.5304	51.838	6.6500	4.7481	97.7390	4.34	0.003655
1	1	13	2011	1	27	0.8208	22.349	6.6500	4.7481	27.2301	6.19	0.007008
1	1	13	2011	1	28	0.5006	22.014	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2011	2	1	12.2231	366.836	7.2800	5.3799	30.0117	24.09	0.281246
1	1	13	2011	2	2	9.9531	400.073	8.0600	5.7548	40.1957	18.52	0.101405
1	1	13	2011	2	3	10.5227	422.968	8.0600	5.7548	40.1957	18.52	0.337320
1	1	13	2011	2	4	15.3889	581.955	8.0600	5.7548	37.8166	14.25	0.103547
1	1	13	2011	2	5	15.6736	592.724	8.0600	5.7548	37.8166	14.25	0.047578
1	1	13	2011	2	6	11.9135	449.980	6.8800	4.9123	37.7707	10.10	0.027524
1	1	13	2011	2	7	13.2218	499.396	6.8800	4.9123	37.7707	9.36	0.000969
1	1	13	2011	2	8	12.7819	466.452	6.8800	4.9123	36.4932	9.33	0.000281
1	1	13	2011	2	9	14.8960	543.601	6.8800	4.9123	36.4931	8.00	0.000959
1	1	13	2011	2	10	14.7589	538.598	6.8800	4.9123	36.4932	8.12	0.001996

1	1	13	2011	2	11	17.4942	638.420	6.8800	4.9123	36.4932	7.44	0.000819
1	1	13	2011	2	12	18.6457	680.439	6.8800	4.9123	36.4932	7.05	0.000002
1	1	13	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2011	2	14	1.1642	34.940	7.2800	5.1979	30.0117	32.28	0.000028
1	1	13	2011	2	15	0.5216	25.187	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2011	2	16	0.9330	42.034	6.6500	4.7481	45.0549	12.93	0.008198
1	1	13	2011	2	17	0.9907	46.811	6.6500	4.7481	47.2522	11.65	0.002544
1	1	13	2011	2	18	1.4004	79.377	6.6500	4.7481	56.6821	10.18	0.002699
1	1	13	2011	2	19	1.5106	85.622	6.6500	4.7481	56.6821	9.86	0.001293
1	1	13	2011	2	20	1.4494	93.867	6.6500	4.7481	64.7605	8.70	0.006032
1	1	13	2011	2	21	1.7844	115.558	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2011	2	22	2.3308	303.523	6.6500	4.7481	130.2221	6.58	0.010278
1	1	13	2011	2	23	2.9381	581.197	6.6500	4.7481	197.8148	6.28	0.036527
1	1	13	2011	2	24	18.1205	155.514	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2011	2	25	21.2391	578.343	6.8800	4.9123	27.2301	6.43	0.000303
1	1	13	2011	2	26	4.5666	446.334	6.6500	4.7481	97.7390	4.34	0.003655
1	1	13	2011	2	27	2.7624	75.219	6.6500	4.7481	27.2301	6.19	0.007008
1	1	13	2011	2	28	0.8804	38.714	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2011	3	1	0.5467	16.407	7.2800	5.3799	30.0117	24.09	0.281246
1	1	13	2011	3	2	0.3854	15.492	8.0600	5.7548	40.1957	18.52	0.101405
1	1	13	2011	3	3	0.5945	23.895	8.0600	5.7548	40.1957	18.52	0.337320
1	1	13	2011	3	4	1.1436	43.245	8.0600	5.7548	37.8166	14.25	0.103547
1	1	13	2011	3	5	1.5828	59.854	8.0600	5.7548	37.8166	14.25	0.047578
1	1	13	2011	3	6	1.6164	61.051	6.8800	4.9123	37.7707	10.10	0.027524
1	1	13	2011	3	7	1.7089	64.546	6.8800	4.9123	37.7707	9.36	0.000969
1	1	13	2011	3	8	1.5086	55.055	6.8800	4.9123	36.4932	9.33	0.000281
1	1	13	2011	3	9	1.7506	63.884	6.8800	4.9123	36.4931	8.00	0.000959
1	1	13	2011	3	10	1.7394	63.475	6.8800	4.9123	36.4932	8.12	0.001996
1	1	13	2011	3	11	1.9182	70.001	6.8800	4.9123	36.4932	7.44	0.000819
1	1	13	2011	3	12	2.0480	74.737	6.8800	4.9123	36.4932	7.05	0.000002
1	1	13	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2011	3	14	0.2699	8.099	7.2800	5.1979	30.0117	32.28	0.000028
1	1	13	2011	3	15	0.1732	8.362	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2011	3	16	2.1826	98.336	6.6500	4.7481	45.0549	12.93	0.008198
1	1	13	2011	3	17	2.2985	108.610	6.6500	4.7481	47.2522	11.65	0.002544
1	1	13	2011	3	18	3.1759	180.015	6.6500	4.7481	56.6821	10.18	0.002699
1	1	13	2011	3	19	3.4336	194.623	6.6500	4.7481	56.6821	9.86	0.001293
1	1	13	2011	3	20	3.9591	256.391	6.6500	4.7481	64.7605	8.70	0.006032
1	1	13	2011	3	21	4.8914	316.770	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2011	3	22	5.5723	725.631	6.6500	4.7481	130.2221	6.58	0.010278
1	1	13	2011	3	23	6.6976	1324.878	6.6500	4.7481	197.8148	6.28	0.036527
1	1	13	2011	3	24	1.6232	13.931	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2011	3	25	3.3764	91.941	6.8800	4.9123	27.2301	6.43	0.000303
1	1	13	2011	3	26	11.6071	1134.470	6.6500	4.7481	97.7390	4.34	0.003655
1	1	13	2011	3	27	8.0232	218.474	6.6500	4.7481	27.2301	6.19	0.007008
1	1	13	2011	3	28	0.6004	26.404	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246

1	1	14	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	14	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	14	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	14	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	14	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	14	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	14	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	14	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	14	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	14	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	14	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	14	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	14	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	14	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	14	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	14	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	14	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	14	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	14	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	14	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	14	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	14	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	14	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2011	1	1	0.4635	13.910	7.2800	5.3799	30.0117	24.09	0.281246
1	1	14	2011	1	2	0.2731	10.978	8.0600	5.7548	40.1957	18.52	0.101405
1	1	14	2011	1	3	0.3124	12.557	8.0600	5.7548	40.1957	18.52	0.337320
1	1	14	2011	1	4	0.7362	27.842	8.0600	5.7548	37.8166	14.25	0.103547
1	1	14	2011	1	5	0.8096	30.617	8.0600	5.7548	37.8166	14.25	0.047578
1	1	14	2011	1	6	0.7106	26.838	6.8800	4.9123	37.7707	10.10	0.027524
1	1	14	2011	1	7	0.7111	26.859	6.8800	4.9123	37.7707	9.36	0.000969
1	1	14	2011	1	8	0.6396	23.342	6.8800	4.9123	36.4932	9.33	0.000281
1	1	14	2011	1	9	0.7124	25.997	6.8800	4.9123	36.4931	8.00	0.000959
1	1	14	2011	1	10	0.7091	25.879	6.8800	4.9123	36.4932	8.12	0.001996
1	1	14	2011	1	11	0.7806	28.486	6.8800	4.9123	36.4932	7.44	0.000819
1	1	14	2011	1	12	0.8230	30.033	6.8800	4.9123	36.4932	7.05	0.000002
1	1	14	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2011	1	14	0.1866	5.599	7.2800	5.1979	30.0117	32.28	0.000028
1	1	14	2011	1	15	0.1395	6.735	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2011	1	16	0.2326	10.482	6.6500	4.7481	45.0549	12.93	0.008198
1	1	14	2011	1	17	0.2538	11.995	6.6500	4.7481	47.2522	11.65	0.002544
1	1	14	2011	1	18	0.3315	18.790	6.6500	4.7481	56.6821	10.18	0.002699
1	1	14	2011	1	19	0.3676	20.834	6.6500	4.7481	56.6821	9.86	0.001293
1	1	14	2011	1	20	0.4347	28.149	6.6500	4.7481	64.7605	8.70	0.006032

1	1	14	2011	1	21	0.5321	34.460	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2011	1	22	0.5565	72.466	6.6500	4.7481	130.2221	6.58	0.010278
1	1	14	2011	1	23	0.6552	129.618	6.6500	4.7481	197.8148	6.28	0.036527
1	1	14	2011	1	24	2.6689	22.905	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2011	1	25	1.2828	34.930	6.8800	4.9123	27.2301	6.43	0.000303
1	1	14	2011	1	26	0.5084	49.687	6.6500	4.7481	97.7390	4.34	0.003655
1	1	14	2011	1	27	0.7867	21.422	6.6500	4.7481	27.2301	6.19	0.007008
1	1	14	2011	1	28	0.4842	21.294	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2011	2	1	12.1148	363.585	7.2800	5.3799	30.0117	24.09	0.281246
1	1	14	2011	2	2	9.8603	396.341	8.0600	5.7548	40.1957	18.52	0.101405
1	1	14	2011	2	3	10.4256	419.064	8.0600	5.7548	40.1957	18.52	0.337320
1	1	14	2011	2	4	15.2232	575.689	8.0600	5.7548	37.8166	14.25	0.103547
1	1	14	2011	2	5	15.5061	586.389	8.0600	5.7548	37.8166	14.25	0.047578
1	1	14	2011	2	6	11.1907	422.681	6.8800	4.9123	37.7707	10.10	0.027524
1	1	14	2011	2	7	12.4197	469.099	6.8800	4.9123	37.7707	9.36	0.000969
1	1	14	2011	2	8	12.0065	438.154	6.8800	4.9123	36.4932	9.33	0.000281
1	1	14	2011	2	9	13.9923	510.623	6.8800	4.9123	36.4931	8.00	0.000959
1	1	14	2011	2	10	13.8635	505.924	6.8800	4.9123	36.4932	8.12	0.001996
1	1	14	2011	2	11	16.4329	599.689	6.8800	4.9123	36.4932	7.44	0.000819
1	1	14	2011	2	12	17.5145	639.159	6.8800	4.9123	36.4932	7.05	0.000002
1	1	14	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2011	2	14	1.1154	33.474	7.2800	5.1979	30.0117	32.28	0.000028
1	1	14	2011	2	15	0.4984	24.066	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2011	2	16	0.8793	39.617	6.6500	4.7481	45.0549	12.93	0.008198
1	1	14	2011	2	17	0.9337	44.118	6.6500	4.7481	47.2522	11.65	0.002544
1	1	14	2011	2	18	1.3198	74.811	6.6500	4.7481	56.6821	10.18	0.002699
1	1	14	2011	2	19	1.4237	80.697	6.6500	4.7481	56.6821	9.86	0.001293
1	1	14	2011	2	20	1.3661	88.468	6.6500	4.7481	64.7605	8.70	0.006032
1	1	14	2011	2	21	1.6818	108.912	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2011	2	22	2.1968	286.066	6.6500	4.7481	130.2221	6.58	0.010278
1	1	14	2011	2	23	2.7691	547.769	6.6500	4.7481	197.8148	6.28	0.036527
1	1	14	2011	2	24	17.3119	148.575	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2011	2	25	19.9506	543.257	6.8800	4.9123	27.2301	6.43	0.000303
1	1	14	2011	2	26	4.3039	420.663	6.6500	4.7481	97.7390	4.34	0.003655
1	1	14	2011	2	27	2.6035	70.893	6.6500	4.7481	27.2301	6.19	0.007008
1	1	14	2011	2	28	0.8426	37.051	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2011	3	1	0.5367	16.109	7.2800	5.3799	30.0117	24.09	0.281246
1	1	14	2011	3	2	0.3780	15.193	8.0600	5.7548	40.1957	18.52	0.101405
1	1	14	2011	3	3	0.5838	23.466	8.0600	5.7548	40.1957	18.52	0.337320
1	1	14	2011	3	4	1.1248	42.535	8.0600	5.7548	37.8166	14.25	0.103547
1	1	14	2011	3	5	1.5587	58.946	8.0600	5.7548	37.8166	14.25	0.047578
1	1	14	2011	3	6	1.6326	61.664	6.8800	4.9123	37.7707	10.10	0.027524
1	1	14	2011	3	7	1.7260	65.194	6.8800	4.9123	37.7707	9.36	0.000969
1	1	14	2011	3	8	1.5238	55.608	6.8800	4.9123	36.4932	9.33	0.000281
1	1	14	2011	3	9	1.7681	64.525	6.8800	4.9123	36.4931	8.00	0.000959
1	1	14	2011	3	10	1.7568	64.112	6.8800	4.9123	36.4932	8.12	0.001996
1	1	14	2011	3	11	1.9375	70.704	6.8800	4.9123	36.4932	7.44	0.000819

1	1	14	2011	3	12	2.0685	75.487	6.8800	4.9123	36.4932	7.05	0.000002
1	1	14	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2011	3	14	0.2635	7.907	7.2800	5.1979	30.0117	32.28	0.000028
1	1	14	2011	3	15	0.1690	8.161	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2011	3	16	2.1285	95.898	6.6500	4.7481	45.0549	12.93	0.008198
1	1	14	2011	3	17	2.2415	105.918	6.6500	4.7481	47.2522	11.65	0.002544
1	1	14	2011	3	18	3.0971	175.552	6.6500	4.7481	56.6821	10.18	0.002699
1	1	14	2011	3	19	3.3485	189.799	6.6500	4.7481	56.6821	9.86	0.001293
1	1	14	2011	3	20	3.8594	249.939	6.6500	4.7481	64.7605	8.70	0.006032
1	1	14	2011	3	21	4.7683	308.798	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2011	3	22	5.4367	707.983	6.6500	4.7481	130.2221	6.58	0.010278
1	1	14	2011	3	23	6.5374	1293.200	6.6500	4.7481	197.8148	6.28	0.036527
1	1	14	2011	3	24	1.6414	14.087	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2011	3	25	3.4103	92.863	6.8800	4.9123	27.2301	6.43	0.000303
1	1	14	2011	3	26	11.3124	1105.665	6.6500	4.7481	97.7390	4.34	0.003655
1	1	14	2011	3	27	7.8196	212.930	6.6500	4.7481	27.2301	6.19	0.007008
1	1	14	2011	3	28	0.5860	25.771	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	15	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	15	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	15	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	15	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	15	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	15	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	15	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	15	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	15	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	15	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	15	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	15	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	15	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	15	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	15	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	15	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	15	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	15	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	15	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	15	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	15	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	15	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	15	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2011	1	1	0.4519	13.563	7.2800	5.3799	30.0117	24.09	0.281246
1	1	15	2011	1	2	0.2662	10.699	8.0600	5.7548	40.1957	18.52	0.101405

1	1	15	2011	1	3	0.3047	12.246	8.0600	5.7548	40.1957	18.52	0.337320
1	1	15	2011	1	4	0.7179	27.147	8.0600	5.7548	37.8166	14.25	0.103547
1	1	15	2011	1	5	0.7896	29.859	8.0600	5.7548	37.8166	14.25	0.047578
1	1	15	2011	1	6	0.6702	25.315	6.8800	4.9123	37.7707	10.10	0.027524
1	1	15	2011	1	7	0.6708	25.335	6.8800	4.9123	37.7707	9.36	0.000969
1	1	15	2011	1	8	0.6039	22.037	6.8800	4.9123	36.4932	9.33	0.000281
1	1	15	2011	1	9	0.6719	24.518	6.8800	4.9123	36.4931	8.00	0.000959
1	1	15	2011	1	10	0.6688	24.407	6.8800	4.9123	36.4932	8.12	0.001996
1	1	15	2011	1	11	0.7356	26.844	6.8800	4.9123	36.4932	7.44	0.000819
1	1	15	2011	1	12	0.7752	28.290	6.8800	4.9123	36.4932	7.05	0.000002
1	1	15	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2011	1	14	0.1812	5.438	7.2800	5.1979	30.0117	32.28	0.000028
1	1	15	2011	1	15	0.1352	6.530	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2011	1	16	0.2237	10.079	6.6500	4.7481	45.0549	12.93	0.008198
1	1	15	2011	1	17	0.2441	11.533	6.6500	4.7481	47.2522	11.65	0.002544
1	1	15	2011	1	18	0.3187	18.067	6.6500	4.7481	56.6821	10.18	0.002699
1	1	15	2011	1	19	0.3534	20.032	6.6500	4.7481	56.6821	9.86	0.001293
1	1	15	2011	1	20	0.4179	27.066	6.6500	4.7481	64.7605	8.70	0.006032
1	1	15	2011	1	21	0.5116	33.135	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2011	1	22	0.5351	69.678	6.6500	4.7481	130.2221	6.58	0.010278
1	1	15	2011	1	23	0.6300	124.631	6.6500	4.7481	197.8148	6.28	0.036527
1	1	15	2011	1	24	2.5930	22.254	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2011	1	25	1.2075	32.882	6.8800	4.9123	27.2301	6.43	0.000303
1	1	15	2011	1	26	0.4888	47.775	6.6500	4.7481	97.7390	4.34	0.003655
1	1	15	2011	1	27	0.7564	20.598	6.6500	4.7481	27.2301	6.19	0.007008
1	1	15	2011	1	28	0.4697	20.654	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2011	2	1	12.0185	360.695	7.2800	5.3799	30.0117	24.09	0.281246
1	1	15	2011	2	2	9.7777	393.023	8.0600	5.7548	40.1957	18.52	0.101405
1	1	15	2011	2	3	10.3392	415.593	8.0600	5.7548	40.1957	18.52	0.337320
1	1	15	2011	2	4	15.0759	570.120	8.0600	5.7548	37.8166	14.25	0.103547
1	1	15	2011	2	5	15.3572	580.758	8.0600	5.7548	37.8166	14.25	0.047578
1	1	15	2011	2	6	10.5483	398.416	6.8800	4.9123	37.7707	10.10	0.027524
1	1	15	2011	2	7	11.7067	442.169	6.8800	4.9123	37.7707	9.36	0.000969
1	1	15	2011	2	8	11.3172	413.000	6.8800	4.9123	36.4932	9.33	0.000281
1	1	15	2011	2	9	13.1890	481.309	6.8800	4.9123	36.4931	8.00	0.000959
1	1	15	2011	2	10	13.0676	476.879	6.8800	4.9123	36.4932	8.12	0.001996
1	1	15	2011	2	11	15.4895	565.262	6.8800	4.9123	36.4932	7.44	0.000819
1	1	15	2011	2	12	16.5090	602.466	6.8800	4.9123	36.4932	7.05	0.000002
1	1	15	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2011	2	14	1.0720	32.171	7.2800	5.1979	30.0117	32.28	0.000028
1	1	15	2011	2	15	0.4778	23.069	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2011	2	16	0.8316	37.468	6.6500	4.7481	45.0549	12.93	0.008198
1	1	15	2011	2	17	0.8830	41.725	6.6500	4.7481	47.2522	11.65	0.002544
1	1	15	2011	2	18	1.2482	70.753	6.6500	4.7481	56.6821	10.18	0.002699
1	1	15	2011	2	19	1.3465	76.320	6.6500	4.7481	56.6821	9.86	0.001293
1	1	15	2011	2	20	1.2920	83.669	6.6500	4.7481	64.7605	8.70	0.006032
1	1	15	2011	2	21	1.5905	103.004	6.6500	4.7481	64.7605	7.53	0.008655

1	1	15	2011	2	22	2.0776	270.548	6.6500	4.7481	130.2221	6.58	0.010278
1	1	15	2011	2	23	2.6189	518.055	6.6500	4.7481	197.8148	6.28	0.036527
1	1	15	2011	2	24	16.5931	142.406	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2011	2	25	18.8053	512.070	6.8800	4.9123	27.2301	6.43	0.000303
1	1	15	2011	2	26	4.0705	397.844	6.6500	4.7481	97.7390	4.34	0.003655
1	1	15	2011	2	27	2.4622	67.047	6.6500	4.7481	27.2301	6.19	0.007008
1	1	15	2011	2	28	0.8090	35.573	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2011	3	1	0.5279	15.844	7.2800	5.3799	30.0117	24.09	0.281246
1	1	15	2011	3	2	0.3713	14.926	8.0600	5.7548	40.1957	18.52	0.101405
1	1	15	2011	3	3	0.5743	23.085	8.0600	5.7548	40.1957	18.52	0.337320
1	1	15	2011	3	4	1.1081	41.903	8.0600	5.7548	37.8166	14.25	0.103547
1	1	15	2011	3	5	1.5374	58.139	8.0600	5.7548	37.8166	14.25	0.047578
1	1	15	2011	3	6	1.6470	62.209	6.8800	4.9123	37.7707	10.10	0.027524
1	1	15	2011	3	7	1.7413	65.770	6.8800	4.9123	37.7707	9.36	0.000969
1	1	15	2011	3	8	1.5372	56.099	6.8800	4.9123	36.4932	9.33	0.000281
1	1	15	2011	3	9	1.7838	65.095	6.8800	4.9123	36.4931	8.00	0.000959
1	1	15	2011	3	10	1.7723	64.678	6.8800	4.9123	36.4932	8.12	0.001996
1	1	15	2011	3	11	1.9546	71.328	6.8800	4.9123	36.4932	7.44	0.000819
1	1	15	2011	3	12	2.0868	76.154	6.8800	4.9123	36.4932	7.05	0.000002
1	1	15	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2011	3	14	0.2578	7.736	7.2800	5.1979	30.0117	32.28	0.000028
1	1	15	2011	3	15	0.1653	7.983	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2011	3	16	2.0804	93.732	6.6500	4.7481	45.0549	12.93	0.008198
1	1	15	2011	3	17	2.1909	103.525	6.6500	4.7481	47.2522	11.65	0.002544
1	1	15	2011	3	18	3.0272	171.586	6.6500	4.7481	56.6821	10.18	0.002699
1	1	15	2011	3	19	3.2728	185.511	6.6500	4.7481	56.6821	9.86	0.001293
1	1	15	2011	3	20	3.7709	244.204	6.6500	4.7481	64.7605	8.70	0.006032
1	1	15	2011	3	21	4.6589	301.712	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2011	3	22	5.3163	692.295	6.6500	4.7481	130.2221	6.58	0.010278
1	1	15	2011	3	23	6.3951	1265.042	6.6500	4.7481	197.8148	6.28	0.036527
1	1	15	2011	3	24	1.6576	14.226	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2011	3	25	3.4404	93.684	6.8800	4.9123	27.2301	6.43	0.000303
1	1	15	2011	3	26	11.0505	1080.061	6.6500	4.7481	97.7390	4.34	0.003655
1	1	15	2011	3	27	7.6387	208.002	6.6500	4.7481	27.2301	6.19	0.007008
1	1	15	2011	3	28	0.5732	25.208	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	16	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	16	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	16	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	16	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	16	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	16	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	16	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	16	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	16	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	16	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	16	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002

1	1	16	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	16	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	16	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	16	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	16	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	16	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	16	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	16	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	16	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	16	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	16	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	16	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2011	1	1	0.4416	13.252	7.2800	5.3799	30.0117	24.09	0.281246
1	1	16	2011	1	2	0.2599	10.449	8.0600	5.7548	40.1957	18.52	0.101405
1	1	16	2011	1	3	0.2977	11.967	8.0600	5.7548	40.1957	18.52	0.337320
1	1	16	2011	1	4	0.7014	26.526	8.0600	5.7548	37.8166	14.25	0.103547
1	1	16	2011	1	5	0.7716	29.180	8.0600	5.7548	37.8166	14.25	0.047578
1	1	16	2011	1	6	0.6342	23.952	6.8800	4.9123	37.7707	10.10	0.027524
1	1	16	2011	1	7	0.6346	23.971	6.8800	4.9123	37.7707	9.36	0.000969
1	1	16	2011	1	8	0.5718	20.868	6.8800	4.9123	36.4932	9.33	0.000281
1	1	16	2011	1	9	0.6356	23.194	6.8800	4.9123	36.4931	8.00	0.000959
1	1	16	2011	1	10	0.6327	23.090	6.8800	4.9123	36.4932	8.12	0.001996
1	1	16	2011	1	11	0.6953	25.375	6.8800	4.9123	36.4932	7.44	0.000819
1	1	16	2011	1	12	0.7325	26.730	6.8800	4.9123	36.4932	7.05	0.000002
1	1	16	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2011	1	14	0.1764	5.293	7.2800	5.1979	30.0117	32.28	0.000028
1	1	16	2011	1	15	0.1315	6.348	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2011	1	16	0.2157	9.718	6.6500	4.7481	45.0549	12.93	0.008198
1	1	16	2011	1	17	0.2353	11.120	6.6500	4.7481	47.2522	11.65	0.002544
1	1	16	2011	1	18	0.3073	17.420	6.6500	4.7481	56.6821	10.18	0.002699
1	1	16	2011	1	19	0.3408	19.315	6.6500	4.7481	56.6821	9.86	0.001293
1	1	16	2011	1	20	0.4030	26.097	6.6500	4.7481	64.7605	8.70	0.006032
1	1	16	2011	1	21	0.4933	31.948	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2011	1	22	0.5159	67.184	6.6500	4.7481	130.2221	6.58	0.010278
1	1	16	2011	1	23	0.6075	120.169	6.6500	4.7481	197.8148	6.28	0.036527
1	1	16	2011	1	24	2.5251	21.671	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2011	1	25	1.1402	31.049	6.8800	4.9123	27.2301	6.43	0.000303
1	1	16	2011	1	26	0.4713	46.065	6.6500	4.7481	97.7390	4.34	0.003655
1	1	16	2011	1	27	0.7294	19.861	6.6500	4.7481	27.2301	6.19	0.007008
1	1	16	2011	1	28	0.4567	20.082	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2011	2	1	11.9323	358.109	7.2800	5.3799	30.0117	24.09	0.281246
1	1	16	2011	2	2	9.7039	390.054	8.0600	5.7548	40.1957	18.52	0.101405
1	1	16	2011	2	3	10.2620	412.488	8.0600	5.7548	40.1957	18.52	0.337320

1	1	16	2011	2	4	14.9441	565.137	8.0600	5.7548	37.8166	14.25	0.103547
1	1	16	2011	2	5	15.2240	575.720	8.0600	5.7548	37.8166	14.25	0.047578
1	1	16	2011	2	6	9.9735	376.705	6.8800	4.9123	37.7707	10.10	0.027524
1	1	16	2011	2	7	11.0687	418.074	6.8800	4.9123	37.7707	9.36	0.000969
1	1	16	2011	2	8	10.7005	390.494	6.8800	4.9123	36.4932	9.33	0.000281
1	1	16	2011	2	9	12.4703	455.081	6.8800	4.9123	36.4931	8.00	0.000959
1	1	16	2011	2	10	12.3555	450.892	6.8800	4.9123	36.4932	8.12	0.001996
1	1	16	2011	2	11	14.6455	534.459	6.8800	4.9123	36.4932	7.44	0.000819
1	1	16	2011	2	12	15.6094	569.636	6.8800	4.9123	36.4932	7.05	0.000002
1	1	16	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2011	2	14	1.0331	31.006	7.2800	5.1979	30.0117	32.28	0.000028
1	1	16	2011	2	15	0.4593	22.177	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2011	2	16	0.7889	35.545	6.6500	4.7481	45.0549	12.93	0.008198
1	1	16	2011	2	17	0.8377	39.584	6.6500	4.7481	47.2522	11.65	0.002544
1	1	16	2011	2	18	1.1842	67.122	6.6500	4.7481	56.6821	10.18	0.002699
1	1	16	2011	2	19	1.2774	72.403	6.6500	4.7481	56.6821	9.86	0.001293
1	1	16	2011	2	20	1.2257	79.375	6.6500	4.7481	64.7605	8.70	0.006032
1	1	16	2011	2	21	1.5089	97.718	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2011	2	22	1.9710	256.664	6.6500	4.7481	130.2221	6.58	0.010278
1	1	16	2011	2	23	2.4845	491.469	6.6500	4.7481	197.8148	6.28	0.036527
1	1	16	2011	2	24	15.9501	136.887	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2011	2	25	17.7805	484.165	6.8800	4.9123	27.2301	6.43	0.000303
1	1	16	2011	2	26	3.8616	377.427	6.6500	4.7481	97.7390	4.34	0.003655
1	1	16	2011	2	27	2.3359	63.607	6.6500	4.7481	27.2301	6.19	0.007008
1	1	16	2011	2	28	0.7789	34.251	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2011	3	1	0.5200	15.606	7.2800	5.3799	30.0117	24.09	0.281246
1	1	16	2011	3	2	0.3654	14.688	8.0600	5.7548	40.1957	18.52	0.101405
1	1	16	2011	3	3	0.5658	22.744	8.0600	5.7548	40.1957	18.52	0.337320
1	1	16	2011	3	4	1.0931	41.338	8.0600	5.7548	37.8166	14.25	0.103547
1	1	16	2011	3	5	1.5183	57.417	8.0600	5.7548	37.8166	14.25	0.047578
1	1	16	2011	3	6	1.6599	62.696	6.8800	4.9123	37.7707	10.10	0.027524
1	1	16	2011	3	7	1.7549	66.285	6.8800	4.9123	37.7707	9.36	0.000969
1	1	16	2011	3	8	1.5493	56.538	6.8800	4.9123	36.4932	9.33	0.000281
1	1	16	2011	3	9	1.7977	65.605	6.8800	4.9123	36.4931	8.00	0.000959
1	1	16	2011	3	10	1.7862	65.185	6.8800	4.9123	36.4932	8.12	0.001996
1	1	16	2011	3	11	1.9699	71.887	6.8800	4.9123	36.4932	7.44	0.000819
1	1	16	2011	3	12	2.1031	76.750	6.8800	4.9123	36.4932	7.05	0.000002
1	1	16	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2011	3	14	0.2526	7.582	7.2800	5.1979	30.0117	32.28	0.000028
1	1	16	2011	3	15	0.1620	7.824	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2011	3	16	2.0374	91.793	6.6500	4.7481	45.0549	12.93	0.008198
1	1	16	2011	3	17	2.1456	101.383	6.6500	4.7481	47.2522	11.65	0.002544
1	1	16	2011	3	18	2.9645	168.037	6.6500	4.7481	56.6821	10.18	0.002699
1	1	16	2011	3	19	3.2051	181.674	6.6500	4.7481	56.6821	9.86	0.001293
1	1	16	2011	3	20	3.6916	239.073	6.6500	4.7481	64.7605	8.70	0.006032
1	1	16	2011	3	21	4.5610	295.372	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2011	3	22	5.2085	678.259	6.6500	4.7481	130.2221	6.58	0.010278

1	1	16	2011	3	23	6.2677	1239.847	6.6500	4.7481	197.8148	6.28	0.036527
1	1	16	2011	3	24	1.6720	14.349	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2011	3	25	3.4674	94.418	6.8800	4.9123	27.2301	6.43	0.000303
1	1	16	2011	3	26	10.8161	1057.152	6.6500	4.7481	97.7390	4.34	0.003655
1	1	16	2011	3	27	7.4767	203.593	6.6500	4.7481	27.2301	6.19	0.007008
1	1	16	2011	3	28	0.5618	24.704	8.0600	5.7548	43.9743	17.00	0.002242
1	1	17	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	17	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	17	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	17	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	17	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	17	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	17	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	17	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	17	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	17	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	17	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	17	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	17	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	17	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	17	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	17	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	17	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	17	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	17	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	17	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	17	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	17	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	17	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	17	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	17	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	17	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	17	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	17	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	17	2011	1	1	0.4323	12.973	7.2800	5.3799	30.0117	24.09	0.281246
1	1	17	2011	1	2	0.2543	10.224	8.0600	5.7548	40.1957	18.52	0.101405
1	1	17	2011	1	3	0.2915	11.717	8.0600	5.7548	40.1957	18.52	0.337320
1	1	17	2011	1	4	0.6866	25.966	8.0600	5.7548	37.8166	14.25	0.103547
1	1	17	2011	1	5	0.7555	28.569	8.0600	5.7548	37.8166	14.25	0.047578
1	1	17	2011	1	6	0.6017	22.726	6.8800	4.9123	37.7707	10.10	0.027524
1	1	17	2011	1	7	0.6021	22.743	6.8800	4.9123	37.7707	9.36	0.000969
1	1	17	2011	1	8	0.5430	19.817	6.8800	4.9123	36.4932	9.33	0.000281
1	1	17	2011	1	9	0.6029	22.003	6.8800	4.9123	36.4931	8.00	0.000959
1	1	17	2011	1	10	0.6003	21.905	6.8800	4.9123	36.4932	8.12	0.001996
1	1	17	2011	1	11	0.6591	24.053	6.8800	4.9123	36.4932	7.44	0.000819
1	1	17	2011	1	12	0.6940	25.327	6.8800	4.9123	36.4932	7.05	0.000002
1	1	17	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	17	2011	1	14	0.1720	5.163	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	17	2011	1	15	0.1281	6.183	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	17	2011	1	16	0.2085	9.393	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	17	2011	1	17	0.2275	10.749	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	17	2011	1	18	0.2971	16.838	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	17	2011	1	19	0.3294	18.670	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	17	2011	1	20	0.3895	25.225	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	17	2011	1	21	0.4768	30.881	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	17	2011	1	22	0.4987	64.938	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	17	2011	1	23	0.5872	116.153	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	17	2011	1	24	2.4640	21.146	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	17	2011	1	25	1.0797	29.400	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	17	2011	1	26	0.4556	44.526	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	17	2011	1	27	0.7050	19.197	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	17	2011	1	28	0.4450	19.567	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	17	2011	2	1	11.8548	355.782	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	17	2011	2	2	9.6374	387.383	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	17	2011	2	3	10.1925	409.693	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	17	2011	2	4	14.8255	560.652	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	17	2011	2	5	15.1041	571.185	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	17	2011	2	6	9.4561	357.165	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	17	2011	2	7	10.4946	396.388	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	17	2011	2	8	10.1454	370.239	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	17	2011	2	9	11.8235	431.475	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	17	2011	2	10	11.7146	427.504	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	17	2011	2	11	13.8858	506.736	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	17	2011	2	12	14.7997	540.088	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	17	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	17	2011	2	14	0.9982	29.957	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	17	2011	2	15	0.4427	21.374	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	17	2011	2	16	0.7505	33.814	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	17	2011	2	17	0.7969	37.657	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	17	2011	2	18	1.1265	63.854	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	17	2011	2	19	1.2152	68.878	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	17	2011	2	20	1.1660	75.511	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	17	2011	2	21	1.4354	92.960	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	17	2011	2	22	1.8750	244.168	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	17	2011	2	23	2.3635	467.542	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	17	2011	2	24	15.3713	131.920	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	17	2011	2	25	16.8582	459.051	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	17	2011	2	26	3.6736	359.051	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	17	2011	2	27	2.2222	60.510	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	17	2011	2	28	0.7518	33.060	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	17	2011	3	1	0.5129	15.393	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	17	2011	3	2	0.3601	14.474	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	17	2011	3	3	0.5582	22.437	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	17	2011	3	4	1.0797	40.830	8.0600	5.7548	37.8166	14.25
0.103547											

1	1	17	2011	3	5	1.5011	56.767	8.0600	5.7548	37.8166	14.25	0.047578
1	1	17	2011	3	6	1.6715	63.135	6.8800	4.9123	37.7707	10.10	0.027524
1	1	17	2011	3	7	1.7672	66.749	6.8800	4.9123	37.7707	9.36	0.000969
1	1	17	2011	3	8	1.5601	56.934	6.8800	4.9123	36.4932	9.33	0.000281
1	1	17	2011	3	9	1.8103	66.064	6.8800	4.9123	36.4931	8.00	0.000959
1	1	17	2011	3	10	1.7987	65.641	6.8800	4.9123	36.4932	8.12	0.001996
1	1	17	2011	3	11	1.9837	72.390	6.8800	4.9123	36.4932	7.44	0.000819
1	1	17	2011	3	12	2.1179	77.287	6.8800	4.9123	36.4932	7.05	0.000002
1	1	17	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	17	2011	3	14	0.2481	7.445	7.2800	5.1979	30.0117	32.28	0.000028
1	1	17	2011	3	15	0.1591	7.680	8.0600	5.7548	48.2848	22.10	0.004518
1	1	17	2011	3	16	1.9986	90.048	6.6500	4.7481	45.0549	12.93	0.008198
1	1	17	2011	3	17	2.1048	99.456	6.6500	4.7481	47.2522	11.65	0.002544
1	1	17	2011	3	18	2.9082	164.843	6.6500	4.7481	56.6821	10.18	0.002699
1	1	17	2011	3	19	3.1442	178.221	6.6500	4.7481	56.6821	9.86	0.001293
1	1	17	2011	3	20	3.6203	234.454	6.6500	4.7481	64.7605	8.70	0.006032
1	1	17	2011	3	21	4.4729	289.665	6.6500	4.7481	64.7605	7.53	0.008655
1	1	17	2011	3	22	5.1115	665.627	6.6500	4.7481	130.2221	6.58	0.010278
1	1	17	2011	3	23	6.1531	1217.173	6.6500	4.7481	197.8148	6.28	0.036527
1	1	17	2011	3	24	1.6850	14.461	1.3500	0.9639	8.5822	50.00	0.002374
1	1	17	2011	3	25	3.4916	95.078	6.8800	4.9123	27.2301	6.43	0.000303
1	1	17	2011	3	26	10.6051	1036.534	6.6500	4.7481	97.7390	4.34	0.003655
1	1	17	2011	3	27	7.3310	199.624	6.6500	4.7481	27.2301	6.19	0.007008
1	1	17	2011	3	28	0.5515	24.251	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	18	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	18	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	18	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	18	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	18	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	18	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	18	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	18	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	18	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	18	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	18	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	18	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	18	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	18	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	18	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	18	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	18	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	18	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	18	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527

1	1	18	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	18	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	18	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	18	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2011	1	1	0.4238	12.720	7.2800	5.3799	30.0117	24.09	0.281246
1	1	18	2011	1	2	0.2493	10.020	8.0600	5.7548	40.1957	18.52	0.101405
1	1	18	2011	1	3	0.2858	11.490	8.0600	5.7548	40.1957	18.52	0.337320
1	1	18	2011	1	4	0.6733	25.460	8.0600	5.7548	37.8166	14.25	0.103547
1	1	18	2011	1	5	0.7409	28.017	8.0600	5.7548	37.8166	14.25	0.047578
1	1	18	2011	1	6	0.5708	21.559	6.8800	4.9123	37.7707	10.10	0.027524
1	1	18	2011	1	7	0.5712	21.576	6.8800	4.9123	37.7707	9.36	0.000969
1	1	18	2011	1	8	0.5156	18.816	6.8800	4.9123	36.4932	9.33	0.000281
1	1	18	2011	1	9	0.5718	20.868	6.8800	4.9123	36.4931	8.00	0.000959
1	1	18	2011	1	10	0.5693	20.776	6.8800	4.9123	36.4932	8.12	0.001996
1	1	18	2011	1	11	0.6246	22.792	6.8800	4.9123	36.4932	7.44	0.000819
1	1	18	2011	1	12	0.6573	23.988	6.8800	4.9123	36.4932	7.05	0.000002
1	1	18	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2011	1	14	0.1672	5.019	7.2800	5.1979	30.0117	32.28	0.000028
1	1	18	2011	1	15	0.1243	6.001	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2011	1	16	0.2005	9.032	6.6500	4.7481	45.0549	12.93	0.008198
1	1	18	2011	1	17	0.2187	10.336	6.6500	4.7481	47.2522	11.65	0.002544
1	1	18	2011	1	18	0.2856	16.191	6.6500	4.7481	56.6821	10.18	0.002699
1	1	18	2011	1	19	0.3167	17.952	6.6500	4.7481	56.6821	9.86	0.001293
1	1	18	2011	1	20	0.3745	24.255	6.6500	4.7481	64.7605	8.70	0.006032
1	1	18	2011	1	21	0.4585	29.694	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2011	1	22	0.4795	62.443	6.6500	4.7481	130.2221	6.58	0.010278
1	1	18	2011	1	23	0.5646	111.690	6.6500	4.7481	197.8148	6.28	0.036527
1	1	18	2011	1	24	2.4072	20.659	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2011	1	25	1.0221	27.831	6.8800	4.9123	27.2301	6.43	0.000303
1	1	18	2011	1	26	0.4381	42.815	6.6500	4.7481	97.7390	4.34	0.003655
1	1	18	2011	1	27	0.6779	18.459	6.6500	4.7481	27.2301	6.19	0.007008
1	1	18	2011	1	28	0.4319	18.994	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2011	2	1	11.7909	353.864	7.2800	5.3799	30.0117	24.09	0.281246
1	1	18	2011	2	2	9.5816	385.137	8.0600	5.7548	40.1957	18.52	0.101405
1	1	18	2011	2	3	10.1345	407.363	8.0600	5.7548	40.1957	18.52	0.337320
1	1	18	2011	2	4	14.7317	557.102	8.0600	5.7548	37.8166	14.25	0.103547
1	1	18	2011	2	5	15.0092	567.598	8.0600	5.7548	37.8166	14.25	0.047578
1	1	18	2011	2	6	8.9713	338.853	6.8800	4.9123	37.7707	10.10	0.027524
1	1	18	2011	2	7	9.9565	376.065	6.8800	4.9123	37.7707	9.36	0.000969
1	1	18	2011	2	8	9.6253	351.257	6.8800	4.9123	36.4932	9.33	0.000281
1	1	18	2011	2	9	11.2173	409.353	6.8800	4.9123	36.4931	8.00	0.000959
1	1	18	2011	2	10	11.1140	405.586	6.8800	4.9123	36.4932	8.12	0.001996
1	1	18	2011	2	11	13.1739	480.756	6.8800	4.9123	36.4932	7.44	0.000819
1	1	18	2011	2	12	14.0409	512.397	6.8800	4.9123	36.4932	7.05	0.000002
1	1	18	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2011	2	14	0.9641	28.934	7.2800	5.1979	30.0117	32.28	0.000028

1	1	18	2011	2	15	0.4265	20.591	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2011	2	16	0.7131	32.127	6.6500	4.7481	45.0549	12.93	0.008198
1	1	18	2011	2	17	0.7572	35.777	6.6500	4.7481	47.2522	11.65	0.002544
1	1	18	2011	2	18	1.0703	60.667	6.6500	4.7481	56.6821	10.18	0.002699
1	1	18	2011	2	19	1.1545	65.440	6.6500	4.7481	56.6821	9.86	0.001293
1	1	18	2011	2	20	1.1078	71.742	6.6500	4.7481	64.7605	8.70	0.006032
1	1	18	2011	2	21	1.3638	88.321	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2011	2	22	1.7814	231.981	6.6500	4.7481	130.2221	6.58	0.010278
1	1	18	2011	2	23	2.2456	444.206	6.6500	4.7481	197.8148	6.28	0.036527
1	1	18	2011	2	24	14.8363	127.328	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2011	2	25	15.9939	435.515	6.8800	4.9123	27.2301	6.43	0.000303
1	1	18	2011	2	26	3.4902	341.131	6.6500	4.7481	97.7390	4.34	0.003655
1	1	18	2011	2	27	2.1113	57.490	6.6500	4.7481	27.2301	6.19	0.007008
1	1	18	2011	2	28	0.7254	31.900	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2011	3	1	0.5065	15.200	7.2800	5.3799	30.0117	24.09	0.281246
1	1	18	2011	3	2	0.3553	14.280	8.0600	5.7548	40.1957	18.52	0.101405
1	1	18	2011	3	3	0.5513	22.159	8.0600	5.7548	40.1957	18.52	0.337320
1	1	18	2011	3	4	1.0675	40.370	8.0600	5.7548	37.8166	14.25	0.103547
1	1	18	2011	3	5	1.4856	56.179	8.0600	5.7548	37.8166	14.25	0.047578
1	1	18	2011	3	6	1.6890	63.796	6.8800	4.9123	37.7707	10.10	0.027524
1	1	18	2011	3	7	1.7857	67.448	6.8800	4.9123	37.7707	9.36	0.000969
1	1	18	2011	3	8	1.5765	57.530	6.8800	4.9123	36.4932	9.33	0.000281
1	1	18	2011	3	9	1.8293	66.756	6.8800	4.9123	36.4931	8.00	0.000959
1	1	18	2011	3	10	1.8176	66.328	6.8800	4.9123	36.4932	8.12	0.001996
1	1	18	2011	3	11	2.0044	73.149	6.8800	4.9123	36.4932	7.44	0.000819
1	1	18	2011	3	12	2.1400	78.097	6.8800	4.9123	36.4932	7.05	0.000002
1	1	18	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2011	3	14	0.2437	7.314	7.2800	5.1979	30.0117	32.28	0.000028
1	1	18	2011	3	15	0.1562	7.544	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2011	3	16	1.9619	88.395	6.6500	4.7481	45.0549	12.93	0.008198
1	1	18	2011	3	17	2.0662	97.630	6.6500	4.7481	47.2522	11.65	0.002544
1	1	18	2011	3	18	2.8548	161.816	6.6500	4.7481	56.6821	10.18	0.002699
1	1	18	2011	3	19	3.0865	174.948	6.6500	4.7481	56.6821	9.86	0.001293
1	1	18	2011	3	20	3.5528	230.078	6.6500	4.7481	64.7605	8.70	0.006032
1	1	18	2011	3	21	4.3894	284.258	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2011	3	22	5.0195	653.656	6.6500	4.7481	130.2221	6.58	0.010278
1	1	18	2011	3	23	6.0445	1195.686	6.6500	4.7481	197.8148	6.28	0.036527
1	1	18	2011	3	24	1.7094	14.670	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2011	3	25	3.5282	96.074	6.8800	4.9123	27.2301	6.43	0.000303
1	1	18	2011	3	26	10.4052	1016.997	6.6500	4.7481	97.7390	4.34	0.003655
1	1	18	2011	3	27	7.1929	195.864	6.6500	4.7481	27.2301	6.19	0.007008
1	1	18	2011	3	28	0.5417	23.821	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	19	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	19	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	19	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	19	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578

1	1	19	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	19	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	19	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	19	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	19	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	19	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	19	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	19	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	19	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	19	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	19	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	19	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	19	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	19	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	19	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	19	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	19	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	19	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	19	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2011	1	1	0.4162	12.490	7.2800	5.3799	30.0117	24.09	0.281246
1	1	19	2011	1	2	0.2447	9.835	8.0600	5.7548	40.1957	18.52	0.101405
1	1	19	2011	1	3	0.2807	11.284	8.0600	5.7548	40.1957	18.52	0.337320
1	1	19	2011	1	4	0.6611	25.000	8.0600	5.7548	37.8166	14.25	0.103547
1	1	19	2011	1	5	0.7276	27.514	8.0600	5.7548	37.8166	14.25	0.047578
1	1	19	2011	1	6	0.5427	20.499	6.8800	4.9123	37.7707	10.10	0.027524
1	1	19	2011	1	7	0.5431	20.515	6.8800	4.9123	37.7707	9.36	0.000969
1	1	19	2011	1	8	0.4907	17.906	6.8800	4.9123	36.4932	9.33	0.000281
1	1	19	2011	1	9	0.5436	19.836	6.8800	4.9123	36.4931	8.00	0.000959
1	1	19	2011	1	10	0.5412	19.750	6.8800	4.9123	36.4932	8.12	0.001996
1	1	19	2011	1	11	0.5931	21.646	6.8800	4.9123	36.4932	7.44	0.000819
1	1	19	2011	1	12	0.6240	22.770	6.8800	4.9123	36.4932	7.05	0.000002
1	1	19	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2011	1	14	0.1629	4.888	7.2800	5.1979	30.0117	32.28	0.000028
1	1	19	2011	1	15	0.1208	5.834	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2011	1	16	0.1932	8.704	6.6500	4.7481	45.0549	12.93	0.008198
1	1	19	2011	1	17	0.2108	9.960	6.6500	4.7481	47.2522	11.65	0.002544
1	1	19	2011	1	18	0.2753	15.603	6.6500	4.7481	56.6821	10.18	0.002699
1	1	19	2011	1	19	0.3052	17.300	6.6500	4.7481	56.6821	9.86	0.001293
1	1	19	2011	1	20	0.3609	23.374	6.6500	4.7481	64.7605	8.70	0.006032
1	1	19	2011	1	21	0.4419	28.615	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2011	1	22	0.4621	60.175	6.6500	4.7481	130.2221	6.58	0.010278
1	1	19	2011	1	23	0.5441	107.633	6.6500	4.7481	197.8148	6.28	0.036527
1	1	19	2011	1	24	2.3556	20.217	1.3500	0.9639	8.5822	50.00	0.002374

1	1	19	2011	1	25	0.9697	26.404	6.8800	4.9123	27.2301	6.43	0.000303
1	1	19	2011	1	26	0.4221	41.259	6.6500	4.7481	97.7390	4.34	0.003655
1	1	19	2011	1	27	0.6533	17.789	6.6500	4.7481	27.2301	6.19	0.007008
1	1	19	2011	1	28	0.4201	18.474	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2011	2	1	11.7328	352.120	7.2800	5.3799	30.0117	24.09	0.281246
1	1	19	2011	2	2	9.5308	383.096	8.0600	5.7548	40.1957	18.52	0.101405
1	1	19	2011	2	3	10.0818	405.246	8.0600	5.7548	40.1957	18.52	0.337320
1	1	19	2011	2	4	14.6463	553.874	8.0600	5.7548	37.8166	14.25	0.103547
1	1	19	2011	2	5	14.9230	564.337	8.0600	5.7548	37.8166	14.25	0.047578
1	1	19	2011	2	6	8.5306	322.205	6.8800	4.9123	37.7707	10.10	0.027524
1	1	19	2011	2	7	9.4674	357.589	6.8800	4.9123	37.7707	9.36	0.000969
1	1	19	2011	2	8	9.1524	334.000	6.8800	4.9123	36.4932	9.33	0.000281
1	1	19	2011	2	9	10.6662	389.243	6.8800	4.9123	36.4931	8.00	0.000959
1	1	19	2011	2	10	10.5680	385.660	6.8800	4.9123	36.4932	8.12	0.001996
1	1	19	2011	2	11	12.5266	457.137	6.8800	4.9123	36.4932	7.44	0.000819
1	1	19	2011	2	12	13.3511	487.224	6.8800	4.9123	36.4932	7.05	0.000002
1	1	19	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2011	2	14	0.9331	28.004	7.2800	5.1979	30.0117	32.28	0.000028
1	1	19	2011	2	15	0.4117	19.880	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2011	2	16	0.6790	30.592	6.6500	4.7481	45.0549	12.93	0.008198
1	1	19	2011	2	17	0.7210	34.069	6.6500	4.7481	47.2522	11.65	0.002544
1	1	19	2011	2	18	1.0192	57.770	6.6500	4.7481	56.6821	10.18	0.002699
1	1	19	2011	2	19	1.0994	62.315	6.6500	4.7481	56.6821	9.86	0.001293
1	1	19	2011	2	20	1.0549	68.316	6.6500	4.7481	64.7605	8.70	0.006032
1	1	19	2011	2	21	1.2987	84.103	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2011	2	22	1.6964	220.902	6.6500	4.7481	130.2221	6.58	0.010278
1	1	19	2011	2	23	2.1383	422.992	6.6500	4.7481	197.8148	6.28	0.036527
1	1	19	2011	2	24	14.3499	123.154	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2011	2	25	15.2081	414.119	6.8800	4.9123	27.2301	6.43	0.000303
1	1	19	2011	2	26	3.3235	324.839	6.6500	4.7481	97.7390	4.34	0.003655
1	1	19	2011	2	27	2.0104	54.744	6.6500	4.7481	27.2301	6.19	0.007008
1	1	19	2011	2	28	0.7014	30.845	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2011	3	1	0.5006	15.024	7.2800	5.3799	30.0117	24.09	0.281246
1	1	19	2011	3	2	0.3509	14.104	8.0600	5.7548	40.1957	18.52	0.101405
1	1	19	2011	3	3	0.5450	21.907	8.0600	5.7548	40.1957	18.52	0.337320
1	1	19	2011	3	4	1.0564	39.951	8.0600	5.7548	37.8166	14.25	0.103547
1	1	19	2011	3	5	1.4714	55.645	8.0600	5.7548	37.8166	14.25	0.047578
1	1	19	2011	3	6	1.7050	64.398	6.8800	4.9123	37.7707	10.10	0.027524
1	1	19	2011	3	7	1.8025	68.084	6.8800	4.9123	37.7707	9.36	0.000969
1	1	19	2011	3	8	1.5913	58.073	6.8800	4.9123	36.4932	9.33	0.000281
1	1	19	2011	3	9	1.8465	67.385	6.8800	4.9123	36.4931	8.00	0.000959
1	1	19	2011	3	10	1.8347	66.953	6.8800	4.9123	36.4932	8.12	0.001996
1	1	19	2011	3	11	2.0233	73.838	6.8800	4.9123	36.4932	7.44	0.000819
1	1	19	2011	3	12	2.1602	78.833	6.8800	4.9123	36.4932	7.05	0.000002
1	1	19	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2011	3	14	0.2397	7.195	7.2800	5.1979	30.0117	32.28	0.000028
1	1	19	2011	3	15	0.1537	7.421	8.0600	5.7548	48.2848	22.10	0.004518

1	1	19	2011	3	16	1.9286	86.892	6.6500	4.7481	45.0549	12.93	0.008198
1	1	19	2011	3	17	2.0310	95.970	6.6500	4.7481	47.2522	11.65	0.002544
1	1	19	2011	3	18	2.8063	159.065	6.6500	4.7481	56.6821	10.18	0.002699
1	1	19	2011	3	19	3.0340	171.974	6.6500	4.7481	56.6821	9.86	0.001293
1	1	19	2011	3	20	3.4913	226.100	6.6500	4.7481	64.7605	8.70	0.006032
1	1	19	2011	3	21	4.3135	279.343	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2011	3	22	4.9360	642.774	6.6500	4.7481	130.2221	6.58	0.010278
1	1	19	2011	3	23	5.9457	1176.153	6.6500	4.7481	197.8148	6.28	0.036527
1	1	19	2011	3	24	1.7316	14.861	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2011	3	25	3.5615	96.980	6.8800	4.9123	27.2301	6.43	0.000303
1	1	19	2011	3	26	10.2235	999.236	6.6500	4.7481	97.7390	4.34	0.003655
1	1	19	2011	3	27	7.0674	192.446	6.6500	4.7481	27.2301	6.19	0.007008
1	1	19	2011	3	28	0.5328	23.431	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	20	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	20	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	20	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	20	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	20	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	20	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	20	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	20	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	20	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	20	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	20	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	20	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	20	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	20	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	20	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	20	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	20	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	20	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	20	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	20	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	20	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	20	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	20	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2011	1	1	0.4092	12.280	7.2800	5.3799	30.0117	24.09	0.281246
1	1	20	2011	1	2	0.2405	9.666	8.0600	5.7548	40.1957	18.52	0.101405
1	1	20	2011	1	3	0.2760	11.095	8.0600	5.7548	40.1957	18.52	0.337320
1	1	20	2011	1	4	0.6500	24.580	8.0600	5.7548	37.8166	14.25	0.103547
1	1	20	2011	1	5	0.7154	27.055	8.0600	5.7548	37.8166	14.25	0.047578
1	1	20	2011	1	6	0.5171	19.531	6.8800	4.9123	37.7707	10.10	0.027524

1	1	20	2011	1	7	0.5175	19.546	6.8800	4.9123	37.7707	9.36	0.000969
1	1	20	2011	1	8	0.4679	17.075	6.8800	4.9123	36.4932	9.33	0.000281
1	1	20	2011	1	9	0.5178	18.894	6.8800	4.9123	36.4931	8.00	0.000959
1	1	20	2011	1	10	0.5155	18.813	6.8800	4.9123	36.4932	8.12	0.001996
1	1	20	2011	1	11	0.5645	20.599	6.8800	4.9123	36.4932	7.44	0.000819
1	1	20	2011	1	12	0.5935	21.659	6.8800	4.9123	36.4932	7.05	0.000002
1	1	20	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2011	1	14	0.1589	4.768	7.2800	5.1979	30.0117	32.28	0.000028
1	1	20	2011	1	15	0.1177	5.683	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2011	1	16	0.1865	8.404	6.6500	4.7481	45.0549	12.93	0.008198
1	1	20	2011	1	17	0.2035	9.618	6.6500	4.7481	47.2522	11.65	0.002544
1	1	20	2011	1	18	0.2658	15.066	6.6500	4.7481	56.6821	10.18	0.002699
1	1	20	2011	1	19	0.2947	16.705	6.6500	4.7481	56.6821	9.86	0.001293
1	1	20	2011	1	20	0.3485	22.570	6.6500	4.7481	64.7605	8.70	0.006032
1	1	20	2011	1	21	0.4267	27.631	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2011	1	22	0.4462	58.104	6.6500	4.7481	130.2221	6.58	0.010278
1	1	20	2011	1	23	0.5254	103.928	6.6500	4.7481	197.8148	6.28	0.036527
1	1	20	2011	1	24	2.3085	19.812	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2011	1	25	0.9218	25.102	6.8800	4.9123	27.2301	6.43	0.000303
1	1	20	2011	1	26	0.4076	39.839	6.6500	4.7481	97.7390	4.34	0.003655
1	1	20	2011	1	27	0.6308	17.176	6.6500	4.7481	27.2301	6.19	0.007008
1	1	20	2011	1	28	0.4093	17.998	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2011	2	1	11.6797	350.528	7.2800	5.3799	30.0117	24.09	0.281246
1	1	20	2011	2	2	9.4844	381.232	8.0600	5.7548	40.1957	18.52	0.101405
1	1	20	2011	2	3	10.0337	403.313	8.0600	5.7548	40.1957	18.52	0.337320
1	1	20	2011	2	4	14.5684	550.928	8.0600	5.7548	37.8166	14.25	0.103547
1	1	20	2011	2	5	14.8443	561.360	8.0600	5.7548	37.8166	14.25	0.047578
1	1	20	2011	2	6	8.1281	307.006	6.8800	4.9123	37.7707	10.10	0.027524
1	1	20	2011	2	7	9.0208	340.720	6.8800	4.9123	37.7707	9.36	0.000969
1	1	20	2011	2	8	8.7206	318.244	6.8800	4.9123	36.4932	9.33	0.000281
1	1	20	2011	2	9	10.1630	370.880	6.8800	4.9123	36.4931	8.00	0.000959
1	1	20	2011	2	10	10.0695	367.467	6.8800	4.9123	36.4932	8.12	0.001996
1	1	20	2011	2	11	11.9357	435.572	6.8800	4.9123	36.4932	7.44	0.000819
1	1	20	2011	2	12	12.7213	464.240	6.8800	4.9123	36.4932	7.05	0.000002
1	1	20	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2011	2	14	0.9048	27.154	7.2800	5.1979	30.0117	32.28	0.000028
1	1	20	2011	2	15	0.3983	19.230	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2011	2	16	0.6479	29.192	6.6500	4.7481	45.0549	12.93	0.008198
1	1	20	2011	2	17	0.6880	32.509	6.6500	4.7481	47.2522	11.65	0.002544
1	1	20	2011	2	18	0.9725	55.124	6.6500	4.7481	56.6821	10.18	0.002699
1	1	20	2011	2	19	1.0490	59.462	6.6500	4.7481	56.6821	9.86	0.001293
1	1	20	2011	2	20	1.0066	65.187	6.6500	4.7481	64.7605	8.70	0.006032
1	1	20	2011	2	21	1.2392	80.251	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2011	2	22	1.6187	210.787	6.6500	4.7481	130.2221	6.58	0.010278
1	1	20	2011	2	23	2.0404	403.623	6.6500	4.7481	197.8148	6.28	0.036527
1	1	20	2011	2	24	13.9058	119.343	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2011	2	25	14.4907	394.584	6.8800	4.9123	27.2301	6.43	0.000303

1	1	20	2011	2	26	3.1713	309.964	6.6500	4.7481	97.7390	4.34	0.003655
1	1	20	2011	2	27	1.9184	52.237	6.6500	4.7481	27.2301	6.19	0.007008
1	1	20	2011	2	28	0.6795	29.881	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2011	3	1	0.4953	14.864	7.2800	5.3799	30.0117	24.09	0.281246
1	1	20	2011	3	2	0.3469	13.943	8.0600	5.7548	40.1957	18.52	0.101405
1	1	20	2011	3	3	0.5393	21.676	8.0600	5.7548	40.1957	18.52	0.337320
1	1	20	2011	3	4	1.0463	39.569	8.0600	5.7548	37.8166	14.25	0.103547
1	1	20	2011	3	5	1.4585	55.157	8.0600	5.7548	37.8166	14.25	0.047578
1	1	20	2011	3	6	1.7195	64.947	6.8800	4.9123	37.7707	10.10	0.027524
1	1	20	2011	3	7	1.8179	68.664	6.8800	4.9123	37.7707	9.36	0.000969
1	1	20	2011	3	8	1.6049	58.568	6.8800	4.9123	36.4932	9.33	0.000281
1	1	20	2011	3	9	1.8623	67.960	6.8800	4.9123	36.4931	8.00	0.000959
1	1	20	2011	3	10	1.8503	67.524	6.8800	4.9123	36.4932	8.12	0.001996
1	1	20	2011	3	11	2.0406	74.467	6.8800	4.9123	36.4932	7.44	0.000819
1	1	20	2011	3	12	2.1786	79.505	6.8800	4.9123	36.4932	7.05	0.000002
1	1	20	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2011	3	14	0.2361	7.087	7.2800	5.1979	30.0117	32.28	0.000028
1	1	20	2011	3	15	0.1513	7.308	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2011	3	16	1.8981	85.520	6.6500	4.7481	45.0549	12.93	0.008198
1	1	20	2011	3	17	1.9989	94.455	6.6500	4.7481	47.2522	11.65	0.002544
1	1	20	2011	3	18	2.7619	156.553	6.6500	4.7481	56.6821	10.18	0.002699
1	1	20	2011	3	19	2.9861	169.257	6.6500	4.7481	56.6821	9.86	0.001293
1	1	20	2011	3	20	3.4352	222.467	6.6500	4.7481	64.7605	8.70	0.006032
1	1	20	2011	3	21	4.2442	274.854	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2011	3	22	4.8597	632.838	6.6500	4.7481	130.2221	6.58	0.010278
1	1	20	2011	3	23	5.8556	1158.319	6.6500	4.7481	197.8148	6.28	0.036527
1	1	20	2011	3	24	1.7518	15.034	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2011	3	25	3.5918	97.806	6.8800	4.9123	27.2301	6.43	0.000303
1	1	20	2011	3	26	10.0576	983.019	6.6500	4.7481	97.7390	4.34	0.003655
1	1	20	2011	3	27	6.9527	189.324	6.6500	4.7481	27.2301	6.19	0.007008
1	1	20	2011	3	28	0.5247	23.074	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	21	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	21	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	21	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	21	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	21	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	21	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	21	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	21	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	21	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	21	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	21	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	21	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	21	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198

1	1	21	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	21	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	21	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	21	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	21	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	21	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	21	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	21	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	21	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	21	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2011	1	1	0.4028	12.087	7.2800	5.3799	30.0117	24.09	0.281246
1	1	21	2011	1	2	0.2366	9.511	8.0600	5.7548	40.1957	18.52	0.101405
1	1	21	2011	1	3	0.2717	10.923	8.0600	5.7548	40.1957	18.52	0.337320
1	1	21	2011	1	4	0.6398	24.195	8.0600	5.7548	37.8166	14.25	0.103547
1	1	21	2011	1	5	0.7043	26.635	8.0600	5.7548	37.8166	14.25	0.047578
1	1	21	2011	1	6	0.4936	18.644	6.8800	4.9123	37.7707	10.10	0.027524
1	1	21	2011	1	7	0.4940	18.657	6.8800	4.9123	37.7707	9.36	0.000969
1	1	21	2011	1	8	0.4470	16.314	6.8800	4.9123	36.4932	9.33	0.000281
1	1	21	2011	1	9	0.4941	18.031	6.8800	4.9123	36.4931	8.00	0.000959
1	1	21	2011	1	10	0.4920	17.954	6.8800	4.9123	36.4932	8.12	0.001996
1	1	21	2011	1	11	0.5382	19.640	6.8800	4.9123	36.4932	7.44	0.000819
1	1	21	2011	1	12	0.5656	20.640	6.8800	4.9123	36.4932	7.05	0.000002
1	1	21	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2011	1	14	0.1552	4.659	7.2800	5.1979	30.0117	32.28	0.000028
1	1	21	2011	1	15	0.1148	5.544	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2011	1	16	0.1804	8.130	6.6500	4.7481	45.0549	12.93	0.008198
1	1	21	2011	1	17	0.1969	9.303	6.6500	4.7481	47.2522	11.65	0.002544
1	1	21	2011	1	18	0.2571	14.573	6.6500	4.7481	56.6821	10.18	0.002699
1	1	21	2011	1	19	0.2851	16.159	6.6500	4.7481	56.6821	9.86	0.001293
1	1	21	2011	1	20	0.3371	21.832	6.6500	4.7481	64.7605	8.70	0.006032
1	1	21	2011	1	21	0.4127	26.728	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2011	1	22	0.4316	56.205	6.6500	4.7481	130.2221	6.58	0.010278
1	1	21	2011	1	23	0.5082	100.532	6.6500	4.7481	197.8148	6.28	0.036527
1	1	21	2011	1	24	2.2653	19.442	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2011	1	25	0.8780	23.908	6.8800	4.9123	27.2301	6.43	0.000303
1	1	21	2011	1	26	0.3943	38.538	6.6500	4.7481	97.7390	4.34	0.003655
1	1	21	2011	1	27	0.6102	16.615	6.6500	4.7481	27.2301	6.19	0.007008
1	1	21	2011	1	28	0.3994	17.563	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2011	2	1	11.6311	349.069	7.2800	5.3799	30.0117	24.09	0.281246
1	1	21	2011	2	2	9.4419	379.524	8.0600	5.7548	40.1957	18.52	0.101405
1	1	21	2011	2	3	9.9896	401.540	8.0600	5.7548	40.1957	18.52	0.337320
1	1	21	2011	2	4	14.4970	548.226	8.0600	5.7548	37.8166	14.25	0.103547
1	1	21	2011	2	5	14.7721	558.631	8.0600	5.7548	37.8166	14.25	0.047578
1	1	21	2011	2	6	7.7593	293.073	6.8800	4.9123	37.7707	10.10	0.027524
1	1	21	2011	2	7	8.6114	325.257	6.8800	4.9123	37.7707	9.36	0.000969

1	1	21	2011	2	8	8.3249	303.801	6.8800	4.9123	36.4932	9.33	0.000281
1	1	21	2011	2	9	9.7018	354.048	6.8800	4.9123	36.4931	8.00	0.000959
1	1	21	2011	2	10	9.6125	350.790	6.8800	4.9123	36.4932	8.12	0.001996
1	1	21	2011	2	11	11.3940	415.804	6.8800	4.9123	36.4932	7.44	0.000819
1	1	21	2011	2	12	12.1439	443.171	6.8800	4.9123	36.4932	7.05	0.000002
1	1	21	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2011	2	14	0.8789	26.376	7.2800	5.1979	30.0117	32.28	0.000028
1	1	21	2011	2	15	0.3859	18.634	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2011	2	16	0.6194	27.907	6.6500	4.7481	45.0549	12.93	0.008198
1	1	21	2011	2	17	0.6577	31.078	6.6500	4.7481	47.2522	11.65	0.002544
1	1	21	2011	2	18	0.9297	52.700	6.6500	4.7481	56.6821	10.18	0.002699
1	1	21	2011	2	19	1.0029	56.846	6.6500	4.7481	56.6821	9.86	0.001293
1	1	21	2011	2	20	0.9623	62.320	6.6500	4.7481	64.7605	8.70	0.006032
1	1	21	2011	2	21	1.1847	76.721	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2011	2	22	1.5475	201.515	6.6500	4.7481	130.2221	6.58	0.010278
1	1	21	2011	2	23	1.9506	385.867	6.6500	4.7481	197.8148	6.28	0.036527
1	1	21	2011	2	24	13.4987	115.849	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2011	2	25	13.8331	376.676	6.8800	4.9123	27.2301	6.43	0.000303
1	1	21	2011	2	26	3.0318	296.329	6.6500	4.7481	97.7390	4.34	0.003655
1	1	21	2011	2	27	1.8340	49.939	6.6500	4.7481	27.2301	6.19	0.007008
1	1	21	2011	2	28	0.6594	28.998	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2011	3	1	0.4904	14.717	7.2800	5.3799	30.0117	24.09	0.281246
1	1	21	2011	3	2	0.3432	13.795	8.0600	5.7548	40.1957	18.52	0.101405
1	1	21	2011	3	3	0.5340	21.465	8.0600	5.7548	40.1957	18.52	0.337320
1	1	21	2011	3	4	1.0371	39.219	8.0600	5.7548	37.8166	14.25	0.103547
1	1	21	2011	3	5	1.4467	54.709	8.0600	5.7548	37.8166	14.25	0.047578
1	1	21	2011	3	6	1.7328	65.450	6.8800	4.9123	37.7707	10.10	0.027524
1	1	21	2011	3	7	1.8320	69.196	6.8800	4.9123	37.7707	9.36	0.000969
1	1	21	2011	3	8	1.6173	59.021	6.8800	4.9123	36.4932	9.33	0.000281
1	1	21	2011	3	9	1.8767	68.486	6.8800	4.9123	36.4931	8.00	0.000959
1	1	21	2011	3	10	1.8647	68.047	6.8800	4.9123	36.4932	8.12	0.001996
1	1	21	2011	3	11	2.0564	75.044	6.8800	4.9123	36.4932	7.44	0.000819
1	1	21	2011	3	12	2.1955	80.121	6.8800	4.9123	36.4932	7.05	0.000002
1	1	21	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2011	3	14	0.2328	6.988	7.2800	5.1979	30.0117	32.28	0.000028
1	1	21	2011	3	15	0.1492	7.204	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2011	3	16	1.8702	84.262	6.6500	4.7481	45.0549	12.93	0.008198
1	1	21	2011	3	17	1.9695	93.065	6.6500	4.7481	47.2522	11.65	0.002544
1	1	21	2011	3	18	2.7213	154.250	6.6500	4.7481	56.6821	10.18	0.002699
1	1	21	2011	3	19	2.9422	166.768	6.6500	4.7481	56.6821	9.86	0.001293
1	1	21	2011	3	20	3.3838	219.137	6.6500	4.7481	64.7605	8.70	0.006032
1	1	21	2011	3	21	4.1806	270.740	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2011	3	22	4.7897	623.730	6.6500	4.7481	130.2221	6.58	0.010278
1	1	21	2011	3	23	5.7729	1141.970	6.6500	4.7481	197.8148	6.28	0.036527
1	1	21	2011	3	24	1.7704	15.194	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2011	3	25	3.6197	98.564	6.8800	4.9123	27.2301	6.43	0.000303
1	1	21	2011	3	26	9.9055	968.154	6.6500	4.7481	97.7390	4.34	0.003655

1	1	21	2011	3	27	6.8477	186.463	6.6500	4.7481	27.2301	6.19	0.007008
1	1	21	2011	3	28	0.5173	22.747	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	22	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	22	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	22	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	22	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	22	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	22	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	22	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	22	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	22	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	22	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	22	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	22	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	22	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	22	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	22	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	22	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	22	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	22	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	22	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	22	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	22	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	22	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	22	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2011	1	1	0.3969	11.910	7.2800	5.3799	30.0117	24.09	0.281246
1	1	22	2011	1	2	0.2331	9.368	8.0600	5.7548	40.1957	18.52	0.101405
1	1	22	2011	1	3	0.2678	10.764	8.0600	5.7548	40.1957	18.52	0.337320
1	1	22	2011	1	4	0.6304	23.841	8.0600	5.7548	37.8166	14.25	0.103547
1	1	22	2011	1	5	0.6941	26.248	8.0600	5.7548	37.8166	14.25	0.047578
1	1	22	2011	1	6	0.4720	17.827	6.8800	4.9123	37.7707	10.10	0.027524
1	1	22	2011	1	7	0.4723	17.840	6.8800	4.9123	37.7707	9.36	0.000969
1	1	22	2011	1	8	0.4278	15.614	6.8800	4.9123	36.4932	9.33	0.000281
1	1	22	2011	1	9	0.4723	17.236	6.8800	4.9123	36.4931	8.00	0.000959
1	1	22	2011	1	10	0.4703	17.164	6.8800	4.9123	36.4932	8.12	0.001996
1	1	22	2011	1	11	0.5140	18.757	6.8800	4.9123	36.4932	7.44	0.000819
1	1	22	2011	1	12	0.5399	19.703	6.8800	4.9123	36.4932	7.05	0.000002
1	1	22	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2011	1	14	0.1519	4.558	7.2800	5.1979	30.0117	32.28	0.000028
1	1	22	2011	1	15	0.1122	5.416	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2011	1	16	0.1748	7.877	6.6500	4.7481	45.0549	12.93	0.008198
1	1	22	2011	1	17	0.1908	9.014	6.6500	4.7481	47.2522	11.65	0.002544

1	1	22	2011	1	18	0.2491	14.120	6.6500	4.7481	56.6821	10.18	0.002699
1	1	22	2011	1	19	0.2762	15.657	6.6500	4.7481	56.6821	9.86	0.001293
1	1	22	2011	1	20	0.3266	21.154	6.6500	4.7481	64.7605	8.70	0.006032
1	1	22	2011	1	21	0.3999	25.897	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2011	1	22	0.4182	54.459	6.6500	4.7481	130.2221	6.58	0.010278
1	1	22	2011	1	23	0.4924	97.408	6.6500	4.7481	197.8148	6.28	0.036527
1	1	22	2011	1	24	2.2256	19.101	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2011	1	25	0.8376	22.809	6.8800	4.9123	27.2301	6.43	0.000303
1	1	22	2011	1	26	0.3820	37.340	6.6500	4.7481	97.7390	4.34	0.003655
1	1	22	2011	1	27	0.5912	16.099	6.6500	4.7481	27.2301	6.19	0.007008
1	1	22	2011	1	28	0.3903	17.162	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2011	2	1	11.5864	347.726	7.2800	5.3799	30.0117	24.09	0.281246
1	1	22	2011	2	2	9.4028	377.952	8.0600	5.7548	40.1957	18.52	0.101405
1	1	22	2011	2	3	9.9491	399.910	8.0600	5.7548	40.1957	18.52	0.337320
1	1	22	2011	2	4	14.4312	545.741	8.0600	5.7548	37.8166	14.25	0.103547
1	1	22	2011	2	5	14.7057	556.120	8.0600	5.7548	37.8166	14.25	0.047578
1	1	22	2011	2	6	7.4199	280.254	6.8800	4.9123	37.7707	10.10	0.027524
1	1	22	2011	2	7	8.2347	311.031	6.8800	4.9123	37.7707	9.36	0.000969
1	1	22	2011	2	8	7.9608	290.513	6.8800	4.9123	36.4932	9.33	0.000281
1	1	22	2011	2	9	9.2774	338.563	6.8800	4.9123	36.4931	8.00	0.000959
1	1	22	2011	2	10	9.1921	335.447	6.8800	4.9123	36.4932	8.12	0.001996
1	1	22	2011	2	11	10.8957	397.618	6.8800	4.9123	36.4932	7.44	0.000819
1	1	22	2011	2	12	11.6128	423.788	6.8800	4.9123	36.4932	7.05	0.000002
1	1	22	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2011	2	14	0.8550	25.660	7.2800	5.1979	30.0117	32.28	0.000028
1	1	22	2011	2	15	0.3746	18.086	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2011	2	16	0.5932	26.726	6.6500	4.7481	45.0549	12.93	0.008198
1	1	22	2011	2	17	0.6299	29.763	6.6500	4.7481	47.2522	11.65	0.002544
1	1	22	2011	2	18	0.8904	50.469	6.6500	4.7481	56.6821	10.18	0.002699
1	1	22	2011	2	19	0.9604	54.440	6.6500	4.7481	56.6821	9.86	0.001293
1	1	22	2011	2	20	0.9216	59.682	6.6500	4.7481	64.7605	8.70	0.006032
1	1	22	2011	2	21	1.1345	73.473	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2011	2	22	1.4820	192.984	6.6500	4.7481	130.2221	6.58	0.010278
1	1	22	2011	2	23	1.8681	369.532	6.6500	4.7481	197.8148	6.28	0.036527
1	1	22	2011	2	24	13.1242	112.635	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2011	2	25	13.2280	360.201	6.8800	4.9123	27.2301	6.43	0.000303
1	1	22	2011	2	26	2.9035	283.785	6.6500	4.7481	97.7390	4.34	0.003655
1	1	22	2011	2	27	1.7563	47.825	6.6500	4.7481	27.2301	6.19	0.007008
1	1	22	2011	2	28	0.6410	28.185	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2011	3	1	0.4859	14.581	7.2800	5.3799	30.0117	24.09	0.281246
1	1	22	2011	3	2	0.3398	13.659	8.0600	5.7548	40.1957	18.52	0.101405
1	1	22	2011	3	3	0.5292	21.271	8.0600	5.7548	40.1957	18.52	0.337320
1	1	22	2011	3	4	1.0286	38.897	8.0600	5.7548	37.8166	14.25	0.103547
1	1	22	2011	3	5	1.4358	54.298	8.0600	5.7548	37.8166	14.25	0.047578
1	1	22	2011	3	6	1.7451	65.913	6.8800	4.9123	37.7707	10.10	0.027524
1	1	22	2011	3	7	1.8450	69.685	6.8800	4.9123	37.7707	9.36	0.000969
1	1	22	2011	3	8	1.6288	59.439	6.8800	4.9123	36.4932	9.33	0.000281

1	1	22	2011	3	9	1.8900	68.971	6.8800	4.9123	36.4931	8.00	0.000959
1	1	22	2011	3	10	1.8779	68.529	6.8800	4.9123	36.4932	8.12	0.001996
1	1	22	2011	3	11	2.0709	75.575	6.8800	4.9123	36.4932	7.44	0.000819
1	1	22	2011	3	12	2.2110	80.688	6.8800	4.9123	36.4932	7.05	0.000002
1	1	22	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2011	3	14	0.2298	6.896	7.2800	5.1979	30.0117	32.28	0.000028
1	1	22	2011	3	15	0.1472	7.109	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2011	3	16	1.8445	83.104	6.6500	4.7481	45.0549	12.93	0.008198
1	1	22	2011	3	17	1.9425	91.787	6.6500	4.7481	47.2522	11.65	0.002544
1	1	22	2011	3	18	2.6839	152.131	6.6500	4.7481	56.6821	10.18	0.002699
1	1	22	2011	3	19	2.9017	164.477	6.6500	4.7481	56.6821	9.86	0.001293
1	1	22	2011	3	20	3.3365	216.074	6.6500	4.7481	64.7605	8.70	0.006032
1	1	22	2011	3	21	4.1222	266.955	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2011	3	22	4.7254	615.351	6.6500	4.7481	130.2221	6.58	0.010278
1	1	22	2011	3	23	5.6969	1126.930	6.6500	4.7481	197.8148	6.28	0.036527
1	1	22	2011	3	24	1.7874	15.340	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2011	3	25	3.6453	99.262	6.8800	4.9123	27.2301	6.43	0.000303
1	1	22	2011	3	26	9.7656	954.477	6.6500	4.7481	97.7390	4.34	0.003655
1	1	22	2011	3	27	6.7510	183.831	6.6500	4.7481	27.2301	6.19	0.007008
1	1	22	2011	3	28	0.5104	22.447	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	23	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	23	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	23	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	23	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	23	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	23	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	23	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	23	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	23	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	23	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	23	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	23	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	23	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	23	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	23	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	23	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	23	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	23	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	23	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	23	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	23	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	23	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008

1	1	23	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2011	1	1	0.3920	11.764	7.2800	5.3799	30.0117	24.09	0.281246
1	1	23	2011	1	2	0.2302	9.252	8.0600	5.7548	40.1957	18.52	0.101405
1	1	23	2011	1	3	0.2646	10.636	8.0600	5.7548	40.1957	18.52	0.337320
1	1	23	2011	1	4	0.6233	23.572	8.0600	5.7548	37.8166	14.25	0.103547
1	1	23	2011	1	5	0.6864	25.957	8.0600	5.7548	37.8166	14.25	0.047578
1	1	23	2011	1	6	0.4524	17.088	6.8800	4.9123	37.7707	10.10	0.027524
1	1	23	2011	1	7	0.4527	17.100	6.8800	4.9123	37.7707	9.36	0.000969
1	1	23	2011	1	8	0.4105	14.979	6.8800	4.9123	36.4932	9.33	0.000281
1	1	23	2011	1	9	0.4526	16.517	6.8800	4.9123	36.4931	8.00	0.000959
1	1	23	2011	1	10	0.4507	16.448	6.8800	4.9123	36.4932	8.12	0.001996
1	1	23	2011	1	11	0.4921	17.959	6.8800	4.9123	36.4932	7.44	0.000819
1	1	23	2011	1	12	0.5167	18.855	6.8800	4.9123	36.4932	7.05	0.000002
1	1	23	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2011	1	14	0.1484	4.454	7.2800	5.1979	30.0117	32.28	0.000028
1	1	23	2011	1	15	0.1094	5.284	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2011	1	16	0.1691	7.618	6.6500	4.7481	45.0549	12.93	0.008198
1	1	23	2011	1	17	0.1845	8.717	6.6500	4.7481	47.2522	11.65	0.002544
1	1	23	2011	1	18	0.2409	13.655	6.6500	4.7481	56.6821	10.18	0.002699
1	1	23	2011	1	19	0.2671	15.141	6.6500	4.7481	56.6821	9.86	0.001293
1	1	23	2011	1	20	0.3159	20.457	6.6500	4.7481	64.7605	8.70	0.006032
1	1	23	2011	1	21	0.3867	25.044	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2011	1	22	0.4044	52.665	6.6500	4.7481	130.2221	6.58	0.010278
1	1	23	2011	1	23	0.4762	94.200	6.6500	4.7481	197.8148	6.28	0.036527
1	1	23	2011	1	24	2.1843	18.746	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2011	1	25	0.8011	21.815	6.8800	4.9123	27.2301	6.43	0.000303
1	1	23	2011	1	26	0.3695	36.110	6.6500	4.7481	97.7390	4.34	0.003655
1	1	23	2011	1	27	0.5717	15.569	6.6500	4.7481	27.2301	6.19	0.007008
1	1	23	2011	1	28	0.3809	16.750	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2011	2	1	11.5658	347.111	7.2800	5.3799	30.0117	24.09	0.281246
1	1	23	2011	2	2	9.3867	377.304	8.0600	5.7548	40.1957	18.52	0.101405
1	1	23	2011	2	3	9.9329	399.260	8.0600	5.7548	40.1957	18.52	0.337320
1	1	23	2011	2	4	14.3976	544.468	8.0600	5.7548	37.8166	14.25	0.103547
1	1	23	2011	2	5	14.6717	554.834	8.0600	5.7548	37.8166	14.25	0.047578
1	1	23	2011	2	6	7.1271	269.197	6.8800	4.9123	37.7707	10.10	0.027524
1	1	23	2011	2	7	7.9098	298.760	6.8800	4.9123	37.7707	9.36	0.000969
1	1	23	2011	2	8	7.6467	279.051	6.8800	4.9123	36.4932	9.33	0.000281
1	1	23	2011	2	9	8.9114	325.205	6.8800	4.9123	36.4931	8.00	0.000959
1	1	23	2011	2	10	8.8294	322.212	6.8800	4.9123	36.4932	8.12	0.001996
1	1	23	2011	2	11	10.4658	381.930	6.8800	4.9123	36.4932	7.44	0.000819
1	1	23	2011	2	12	11.1546	407.067	6.8800	4.9123	36.4932	7.05	0.000002
1	1	23	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2011	2	14	0.8335	25.014	7.2800	5.1979	30.0117	32.28	0.000028
1	1	23	2011	2	15	0.3643	17.592	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2011	2	16	0.5695	25.660	6.6500	4.7481	45.0549	12.93	0.008198
1	1	23	2011	2	17	0.6047	28.576	6.6500	4.7481	47.2522	11.65	0.002544
1	1	23	2011	2	18	0.8549	48.456	6.6500	4.7481	56.6821	10.18	0.002699

1	1	23	2011	2	19	0.9221	52.268	6.6500	4.7481	56.6821	9.86	0.001293
1	1	23	2011	2	20	0.8848	57.301	6.6500	4.7481	64.7605	8.70	0.006032
1	1	23	2011	2	21	1.0893	70.543	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2011	2	22	1.4229	185.287	6.6500	4.7481	130.2221	6.58	0.010278
1	1	23	2011	2	23	1.7936	354.794	6.6500	4.7481	197.8148	6.28	0.036527
1	1	23	2011	2	24	12.7491	109.415	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2011	2	25	12.7061	345.989	6.8800	4.9123	27.2301	6.43	0.000303
1	1	23	2011	2	26	2.7877	272.466	6.6500	4.7481	97.7390	4.34	0.003655
1	1	23	2011	2	27	1.6863	45.918	6.6500	4.7481	27.2301	6.19	0.007008
1	1	23	2011	2	28	0.6243	27.452	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2011	3	1	0.4817	14.457	7.2800	5.3799	30.0117	24.09	0.281246
1	1	23	2011	3	2	0.3367	13.534	8.0600	5.7548	40.1957	18.52	0.101405
1	1	23	2011	3	3	0.5247	21.091	8.0600	5.7548	40.1957	18.52	0.337320
1	1	23	2011	3	4	1.0207	38.600	8.0600	5.7548	37.8166	14.25	0.103547
1	1	23	2011	3	5	1.4258	53.918	8.0600	5.7548	37.8166	14.25	0.047578
1	1	23	2011	3	6	1.7620	66.554	6.8800	4.9123	37.7707	10.10	0.027524
1	1	23	2011	3	7	1.8629	70.363	6.8800	4.9123	37.7707	9.36	0.000969
1	1	23	2011	3	8	1.6446	60.017	6.8800	4.9123	36.4932	9.33	0.000281
1	1	23	2011	3	9	1.9084	69.642	6.8800	4.9123	36.4931	8.00	0.000959
1	1	23	2011	3	10	1.8961	69.195	6.8800	4.9123	36.4932	8.12	0.001996
1	1	23	2011	3	11	2.0911	76.310	6.8800	4.9123	36.4932	7.44	0.000819
1	1	23	2011	3	12	2.2325	81.473	6.8800	4.9123	36.4932	7.05	0.000002
1	1	23	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2011	3	14	0.2276	6.830	7.2800	5.1979	30.0117	32.28	0.000028
1	1	23	2011	3	15	0.1458	7.040	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2011	3	16	1.8259	82.265	6.6500	4.7481	45.0549	12.93	0.008198
1	1	23	2011	3	17	1.9229	90.860	6.6500	4.7481	47.2522	11.65	0.002544
1	1	23	2011	3	18	2.6568	150.595	6.6500	4.7481	56.6821	10.18	0.002699
1	1	23	2011	3	19	2.8724	162.816	6.6500	4.7481	56.6821	9.86	0.001293
1	1	23	2011	3	20	3.3022	213.852	6.6500	4.7481	64.7605	8.70	0.006032
1	1	23	2011	3	21	4.0798	264.210	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2011	3	22	4.6787	609.274	6.6500	4.7481	130.2221	6.58	0.010278
1	1	23	2011	3	23	5.6418	1116.023	6.6500	4.7481	197.8148	6.28	0.036527
1	1	23	2011	3	24	1.8093	15.528	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2011	3	25	3.6807	100.227	6.8800	4.9123	27.2301	6.43	0.000303
1	1	23	2011	3	26	9.6641	944.560	6.6500	4.7481	97.7390	4.34	0.003655
1	1	23	2011	3	27	6.6809	181.922	6.6500	4.7481	27.2301	6.19	0.007008
1	1	23	2011	3	28	0.5055	22.229	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	24	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	24	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	24	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	24	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	24	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	24	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	24	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	24	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959

1	1	24	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	24	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	24	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	24	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	24	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	24	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	24	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	24	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	24	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	24	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	24	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	24	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	24	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	24	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	24	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2011	1	1	0.3875	11.629	7.2800	5.3799	30.0117	24.09	0.281246
1	1	24	2011	1	2	0.2275	9.144	8.0600	5.7548	40.1957	18.52	0.101405
1	1	24	2011	1	3	0.2616	10.516	8.0600	5.7548	40.1957	18.52	0.337320
1	1	24	2011	1	4	0.6167	23.323	8.0600	5.7548	37.8166	14.25	0.103547
1	1	24	2011	1	5	0.6793	25.688	8.0600	5.7548	37.8166	14.25	0.047578
1	1	24	2011	1	6	0.4343	16.403	6.8800	4.9123	37.7707	10.10	0.027524
1	1	24	2011	1	7	0.4346	16.415	6.8800	4.9123	37.7707	9.36	0.000969
1	1	24	2011	1	8	0.3944	14.392	6.8800	4.9123	36.4932	9.33	0.000281
1	1	24	2011	1	9	0.4344	15.851	6.8800	4.9123	36.4931	8.00	0.000959
1	1	24	2011	1	10	0.4326	15.786	6.8800	4.9123	36.4932	8.12	0.001996
1	1	24	2011	1	11	0.4719	17.219	6.8800	4.9123	36.4932	7.44	0.000819
1	1	24	2011	1	12	0.4951	18.069	6.8800	4.9123	36.4932	7.05	0.000002
1	1	24	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2011	1	14	0.1452	4.358	7.2800	5.1979	30.0117	32.28	0.000028
1	1	24	2011	1	15	0.1069	5.163	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2011	1	16	0.1637	7.378	6.6500	4.7481	45.0549	12.93	0.008198
1	1	24	2011	1	17	0.1787	8.442	6.6500	4.7481	47.2522	11.65	0.002544
1	1	24	2011	1	18	0.2333	13.225	6.6500	4.7481	56.6821	10.18	0.002699
1	1	24	2011	1	19	0.2587	14.663	6.6500	4.7481	56.6821	9.86	0.001293
1	1	24	2011	1	20	0.3059	19.812	6.6500	4.7481	64.7605	8.70	0.006032
1	1	24	2011	1	21	0.3745	24.254	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2011	1	22	0.3917	51.004	6.6500	4.7481	130.2221	6.58	0.010278
1	1	24	2011	1	23	0.4612	91.229	6.6500	4.7481	197.8148	6.28	0.036527
1	1	24	2011	1	24	2.1461	18.418	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2011	1	25	0.7673	20.893	6.8800	4.9123	27.2301	6.43	0.000303
1	1	24	2011	1	26	0.3578	34.971	6.6500	4.7481	97.7390	4.34	0.003655
1	1	24	2011	1	27	0.5537	15.078	6.6500	4.7481	27.2301	6.19	0.007008
1	1	24	2011	1	28	0.3722	16.369	8.0600	5.7548	43.9743	17.00	0.002242

1	1	24	2011	2	1	11.5469	346.541	7.2800	5.3799	30.0117	24.09	0.281246
1	1	24	2011	2	2	9.3718	376.705	8.0600	5.7548	40.1957	18.52	0.101405
1	1	24	2011	2	3	9.9179	398.658	8.0600	5.7548	40.1957	18.52	0.337320
1	1	24	2011	2	4	14.3664	543.288	8.0600	5.7548	37.8166	14.25	0.103547
1	1	24	2011	2	5	14.6402	553.644	8.0600	5.7548	37.8166	14.25	0.047578
1	1	24	2011	2	6	6.8561	258.959	6.8800	4.9123	37.7707	10.10	0.027524
1	1	24	2011	2	7	7.6090	287.397	6.8800	4.9123	37.7707	9.36	0.000969
1	1	24	2011	2	8	7.3558	268.438	6.8800	4.9123	36.4932	9.33	0.000281
1	1	24	2011	2	9	8.5725	312.837	6.8800	4.9123	36.4931	8.00	0.000959
1	1	24	2011	2	10	8.4936	309.958	6.8800	4.9123	36.4932	8.12	0.001996
1	1	24	2011	2	11	10.0677	367.404	6.8800	4.9123	36.4932	7.44	0.000819
1	1	24	2011	2	12	10.7304	391.585	6.8800	4.9123	36.4932	7.05	0.000002
1	1	24	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2011	2	14	0.8135	24.415	7.2800	5.1979	30.0117	32.28	0.000028
1	1	24	2011	2	15	0.3549	17.134	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2011	2	16	0.5476	24.673	6.6500	4.7481	45.0549	12.93	0.008198
1	1	24	2011	2	17	0.5815	27.477	6.6500	4.7481	47.2522	11.65	0.002544
1	1	24	2011	2	18	0.8220	46.592	6.6500	4.7481	56.6821	10.18	0.002699
1	1	24	2011	2	19	0.8867	50.258	6.6500	4.7481	56.6821	9.86	0.001293
1	1	24	2011	2	20	0.8508	55.097	6.6500	4.7481	64.7605	8.70	0.006032
1	1	24	2011	2	21	1.0474	67.829	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2011	2	22	1.3681	178.160	6.6500	4.7481	130.2221	6.58	0.010278
1	1	24	2011	2	23	1.7246	341.147	6.6500	4.7481	197.8148	6.28	0.036527
1	1	24	2011	2	24	12.4017	106.434	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2011	2	25	12.2229	332.830	6.8800	4.9123	27.2301	6.43	0.000303
1	1	24	2011	2	26	2.6805	261.986	6.6500	4.7481	97.7390	4.34	0.003655
1	1	24	2011	2	27	1.6214	44.152	6.6500	4.7481	27.2301	6.19	0.007008
1	1	24	2011	2	28	0.6088	26.773	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2011	3	1	0.4778	14.341	7.2800	5.3799	30.0117	24.09	0.281246
1	1	24	2011	3	2	0.3338	13.418	8.0600	5.7548	40.1957	18.52	0.101405
1	1	24	2011	3	3	0.5206	20.925	8.0600	5.7548	40.1957	18.52	0.337320
1	1	24	2011	3	4	1.0134	38.324	8.0600	5.7548	37.8166	14.25	0.103547
1	1	24	2011	3	5	1.4165	53.566	8.0600	5.7548	37.8166	14.25	0.047578
1	1	24	2011	3	6	1.7778	67.147	6.8800	4.9123	37.7707	10.10	0.027524
1	1	24	2011	3	7	1.8795	70.991	6.8800	4.9123	37.7707	9.36	0.000969
1	1	24	2011	3	8	1.6593	60.552	6.8800	4.9123	36.4932	9.33	0.000281
1	1	24	2011	3	9	1.9254	70.263	6.8800	4.9123	36.4931	8.00	0.000959
1	1	24	2011	3	10	1.9130	69.812	6.8800	4.9123	36.4932	8.12	0.001996
1	1	24	2011	3	11	2.1097	76.991	6.8800	4.9123	36.4932	7.44	0.000819
1	1	24	2011	3	12	2.2525	82.199	6.8800	4.9123	36.4932	7.05	0.000002
1	1	24	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2011	3	14	0.2255	6.768	7.2800	5.1979	30.0117	32.28	0.000028
1	1	24	2011	3	15	0.1445	6.976	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2011	3	16	1.8086	81.488	6.6500	4.7481	45.0549	12.93	0.008198
1	1	24	2011	3	17	1.9047	90.002	6.6500	4.7481	47.2522	11.65	0.002544
1	1	24	2011	3	18	2.6317	149.172	6.6500	4.7481	56.6821	10.18	0.002699
1	1	24	2011	3	19	2.8453	161.278	6.6500	4.7481	56.6821	9.86	0.001293

1	1	24	2011	3	20	3.2704	211.796	6.6500	4.7481	64.7605	8.70	0.006032
1	1	24	2011	3	21	4.0406	261.669	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2011	3	22	4.6355	603.648	6.6500	4.7481	130.2221	6.58	0.010278
1	1	24	2011	3	23	5.5907	1105.923	6.6500	4.7481	197.8148	6.28	0.036527
1	1	24	2011	3	24	1.8295	15.701	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2011	3	25	3.7136	101.121	6.8800	4.9123	27.2301	6.43	0.000303
1	1	24	2011	3	26	9.5701	935.376	6.6500	4.7481	97.7390	4.34	0.003655
1	1	24	2011	3	27	6.6160	180.155	6.6500	4.7481	27.2301	6.19	0.007008
1	1	24	2011	3	28	0.5009	22.027	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	25	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	25	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	25	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	25	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	25	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	25	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	25	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	25	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	25	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	25	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	25	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	25	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	25	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	25	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	25	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	25	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	25	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	25	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	25	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	25	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	25	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	25	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	25	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2011	1	1	0.3833	11.503	7.2800	5.3799	30.0117	24.09	0.281246
1	1	25	2011	1	2	0.2250	9.044	8.0600	5.7548	40.1957	18.52	0.101405
1	1	25	2011	1	3	0.2589	10.406	8.0600	5.7548	40.1957	18.52	0.337320
1	1	25	2011	1	4	0.6106	23.091	8.0600	5.7548	37.8166	14.25	0.103547
1	1	25	2011	1	5	0.6727	25.438	8.0600	5.7548	37.8166	14.25	0.047578
1	1	25	2011	1	6	0.4174	15.767	6.8800	4.9123	37.7707	10.10	0.027524
1	1	25	2011	1	7	0.4177	15.778	6.8800	4.9123	37.7707	9.36	0.000969
1	1	25	2011	1	8	0.3794	13.846	6.8800	4.9123	36.4932	9.33	0.000281
1	1	25	2011	1	9	0.4174	15.233	6.8800	4.9123	36.4931	8.00	0.000959
1	1	25	2011	1	10	0.4157	15.171	6.8800	4.9123	36.4932	8.12	0.001996

1	1	25	2011	1	11	0.4530	16.533	6.8800	4.9123	36.4932	7.44	0.000819
1	1	25	2011	1	12	0.4752	17.340	6.8800	4.9123	36.4932	7.05	0.000002
1	1	25	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2011	1	14	0.1422	4.269	7.2800	5.1979	30.0117	32.28	0.000028
1	1	25	2011	1	15	0.1046	5.050	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2011	1	16	0.1588	7.154	6.6500	4.7481	45.0549	12.93	0.008198
1	1	25	2011	1	17	0.1733	8.187	6.6500	4.7481	47.2522	11.65	0.002544
1	1	25	2011	1	18	0.2263	12.825	6.6500	4.7481	56.6821	10.18	0.002699
1	1	25	2011	1	19	0.2509	14.220	6.6500	4.7481	56.6821	9.86	0.001293
1	1	25	2011	1	20	0.2967	19.213	6.6500	4.7481	64.7605	8.70	0.006032
1	1	25	2011	1	21	0.3632	23.521	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2011	1	22	0.3798	49.462	6.6500	4.7481	130.2221	6.58	0.010278
1	1	25	2011	1	23	0.4472	88.470	6.6500	4.7481	197.8148	6.28	0.036527
1	1	25	2011	1	24	2.1106	18.113	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2011	1	25	0.7359	20.038	6.8800	4.9123	27.2301	6.43	0.000303
1	1	25	2011	1	26	0.3470	33.914	6.6500	4.7481	97.7390	4.34	0.003655
1	1	25	2011	1	27	0.5370	14.622	6.6500	4.7481	27.2301	6.19	0.007008
1	1	25	2011	1	28	0.3642	16.015	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2011	2	1	11.5292	346.012	7.2800	5.3799	30.0117	24.09	0.281246
1	1	25	2011	2	2	9.3579	376.148	8.0600	5.7548	40.1957	18.52	0.101405
1	1	25	2011	2	3	9.9040	398.098	8.0600	5.7548	40.1957	18.52	0.337320
1	1	25	2011	2	4	14.3374	542.193	8.0600	5.7548	37.8166	14.25	0.103547
1	1	25	2011	2	5	14.6110	552.538	8.0600	5.7548	37.8166	14.25	0.047578
1	1	25	2011	2	6	6.6044	249.452	6.8800	4.9123	37.7707	10.10	0.027524
1	1	25	2011	2	7	7.3296	276.846	6.8800	4.9123	37.7707	9.36	0.000969
1	1	25	2011	2	8	7.0858	258.583	6.8800	4.9123	36.4932	9.33	0.000281
1	1	25	2011	2	9	8.2578	301.352	6.8800	4.9123	36.4931	8.00	0.000959
1	1	25	2011	2	10	8.1818	298.578	6.8800	4.9123	36.4932	8.12	0.001996
1	1	25	2011	2	11	9.6981	353.915	6.8800	4.9123	36.4932	7.44	0.000819
1	1	25	2011	2	12	10.3364	377.209	6.8800	4.9123	36.4932	7.05	0.000002
1	1	25	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2011	2	14	0.7950	23.860	7.2800	5.1979	30.0117	32.28	0.000028
1	1	25	2011	2	15	0.3461	16.709	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2011	2	16	0.5273	23.757	6.6500	4.7481	45.0549	12.93	0.008198
1	1	25	2011	2	17	0.5599	26.456	6.6500	4.7481	47.2522	11.65	0.002544
1	1	25	2011	2	18	0.7915	44.861	6.6500	4.7481	56.6821	10.18	0.002699
1	1	25	2011	2	19	0.8537	48.391	6.6500	4.7481	56.6821	9.86	0.001293
1	1	25	2011	2	20	0.8192	53.050	6.6500	4.7481	64.7605	8.70	0.006032
1	1	25	2011	2	21	1.0085	65.310	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2011	2	22	1.3173	171.542	6.6500	4.7481	130.2221	6.58	0.010278
1	1	25	2011	2	23	1.6605	328.475	6.6500	4.7481	197.8148	6.28	0.036527
1	1	25	2011	2	24	12.0792	103.666	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2011	2	25	11.7741	320.611	6.8800	4.9123	27.2301	6.43	0.000303
1	1	25	2011	2	26	2.5809	252.254	6.6500	4.7481	97.7390	4.34	0.003655
1	1	25	2011	2	27	1.5612	42.512	6.6500	4.7481	27.2301	6.19	0.007008
1	1	25	2011	2	28	0.5945	26.143	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2011	3	1	0.4743	14.234	7.2800	5.3799	30.0117	24.09	0.281246

1	1	25	2011	3	2	0.3311	13.310	8.0600	5.7548	40.1957	18.52	0.101405
1	1	25	2011	3	3	0.5167	20.771	8.0600	5.7548	40.1957	18.52	0.337320
1	1	25	2011	3	4	1.0067	38.069	8.0600	5.7548	37.8166	14.25	0.103547
1	1	25	2011	3	5	1.4078	53.240	8.0600	5.7548	37.8166	14.25	0.047578
1	1	25	2011	3	6	1.7924	67.699	6.8800	4.9123	37.7707	10.10	0.027524
1	1	25	2011	3	7	1.8949	71.574	6.8800	4.9123	37.7707	9.36	0.000969
1	1	25	2011	3	8	1.6729	61.049	6.8800	4.9123	36.4932	9.33	0.000281
1	1	25	2011	3	9	1.9412	70.840	6.8800	4.9123	36.4931	8.00	0.000959
1	1	25	2011	3	10	1.9287	70.386	6.8800	4.9123	36.4932	8.12	0.001996
1	1	25	2011	3	11	2.1271	77.623	6.8800	4.9123	36.4932	7.44	0.000819
1	1	25	2011	3	12	2.2709	82.874	6.8800	4.9123	36.4932	7.05	0.000002
1	1	25	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2011	3	14	0.2236	6.711	7.2800	5.1979	30.0117	32.28	0.000028
1	1	25	2011	3	15	0.1433	6.917	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2011	3	16	1.7926	80.766	6.6500	4.7481	45.0549	12.93	0.008198
1	1	25	2011	3	17	1.8878	89.205	6.6500	4.7481	47.2522	11.65	0.002544
1	1	25	2011	3	18	2.6084	147.851	6.6500	4.7481	56.6821	10.18	0.002699
1	1	25	2011	3	19	2.8201	159.850	6.6500	4.7481	56.6821	9.86	0.001293
1	1	25	2011	3	20	3.2410	209.885	6.6500	4.7481	64.7605	8.70	0.006032
1	1	25	2011	3	21	4.0041	259.309	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2011	3	22	4.5954	598.423	6.6500	4.7481	130.2221	6.58	0.010278
1	1	25	2011	3	23	5.5433	1096.545	6.6500	4.7481	197.8148	6.28	0.036527
1	1	25	2011	3	24	1.8483	15.862	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2011	3	25	3.7440	101.951	6.8800	4.9123	27.2301	6.43	0.000303
1	1	25	2011	3	26	9.4829	926.849	6.6500	4.7481	97.7390	4.34	0.003655
1	1	25	2011	3	27	6.5557	178.514	6.6500	4.7481	27.2301	6.19	0.007008
1	1	25	2011	3	28	0.4966	21.839	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	26	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	26	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	26	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	26	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	26	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	26	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	26	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	26	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	26	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	26	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	26	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	26	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	26	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	26	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	26	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	26	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	26	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032

1	1	26	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	26	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	26	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	26	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	26	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	26	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2011	1	1	0.3794	11.386	7.2800	5.3799	30.0117	24.09	0.281246
1	1	26	2011	1	2	0.2227	8.951	8.0600	5.7548	40.1957	18.52	0.101405
1	1	26	2011	1	3	0.2563	10.303	8.0600	5.7548	40.1957	18.52	0.337320
1	1	26	2011	1	4	0.6049	22.876	8.0600	5.7548	37.8166	14.25	0.103547
1	1	26	2011	1	5	0.6665	25.206	8.0600	5.7548	37.8166	14.25	0.047578
1	1	26	2011	1	6	0.4018	15.175	6.8800	4.9123	37.7707	10.10	0.027524
1	1	26	2011	1	7	0.4020	15.186	6.8800	4.9123	37.7707	9.36	0.000969
1	1	26	2011	1	8	0.3655	13.339	6.8800	4.9123	36.4932	9.33	0.000281
1	1	26	2011	1	9	0.4016	14.657	6.8800	4.9123	36.4931	8.00	0.000959
1	1	26	2011	1	10	0.4000	14.598	6.8800	4.9123	36.4932	8.12	0.001996
1	1	26	2011	1	11	0.4355	15.893	6.8800	4.9123	36.4932	7.44	0.000819
1	1	26	2011	1	12	0.4566	16.661	6.8800	4.9123	36.4932	7.05	0.000002
1	1	26	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2011	1	14	0.1395	4.186	7.2800	5.1979	30.0117	32.28	0.000028
1	1	26	2011	1	15	0.1024	4.945	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2011	1	16	0.1542	6.947	6.6500	4.7481	45.0549	12.93	0.008198
1	1	26	2011	1	17	0.1682	7.949	6.6500	4.7481	47.2522	11.65	0.002544
1	1	26	2011	1	18	0.2197	12.453	6.6500	4.7481	56.6821	10.18	0.002699
1	1	26	2011	1	19	0.2436	13.807	6.6500	4.7481	56.6821	9.86	0.001293
1	1	26	2011	1	20	0.2881	18.655	6.6500	4.7481	64.7605	8.70	0.006032
1	1	26	2011	1	21	0.3527	22.838	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2011	1	22	0.3688	48.026	6.6500	4.7481	130.2221	6.58	0.010278
1	1	26	2011	1	23	0.4343	85.902	6.6500	4.7481	197.8148	6.28	0.036527
1	1	26	2011	1	24	2.0775	17.830	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2011	1	25	0.7066	19.242	6.8800	4.9123	27.2301	6.43	0.000303
1	1	26	2011	1	26	0.3369	32.929	6.6500	4.7481	97.7390	4.34	0.003655
1	1	26	2011	1	27	0.5214	14.197	6.6500	4.7481	27.2301	6.19	0.007008
1	1	26	2011	1	28	0.3567	15.686	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2011	2	1	11.5128	345.519	7.2800	5.3799	30.0117	24.09	0.281246
1	1	26	2011	2	2	9.3450	375.630	8.0600	5.7548	40.1957	18.52	0.101405
1	1	26	2011	2	3	9.8911	397.578	8.0600	5.7548	40.1957	18.52	0.337320
1	1	26	2011	2	4	14.3105	541.174	8.0600	5.7548	37.8166	14.25	0.103547
1	1	26	2011	2	5	14.5838	551.509	8.0600	5.7548	37.8166	14.25	0.047578
1	1	26	2011	2	6	6.3700	240.600	6.8800	4.9123	37.7707	10.10	0.027524
1	1	26	2011	2	7	7.0696	267.022	6.8800	4.9123	37.7707	9.36	0.000969
1	1	26	2011	2	8	6.8344	249.408	6.8800	4.9123	36.4932	9.33	0.000281
1	1	26	2011	2	9	7.9647	290.659	6.8800	4.9123	36.4931	8.00	0.000959
1	1	26	2011	2	10	7.8914	287.984	6.8800	4.9123	36.4932	8.12	0.001996
1	1	26	2011	2	11	9.3540	341.357	6.8800	4.9123	36.4932	7.44	0.000819

1	1	26	2011	2	12	9.9697	363.824	6.8800	4.9123	36.4932	7.05	0.000002
1	1	26	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2011	2	14	0.7778	23.343	7.2800	5.1979	30.0117	32.28	0.000028
1	1	26	2011	2	15	0.3379	16.313	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2011	2	16	0.5083	22.903	6.6500	4.7481	45.0549	12.93	0.008198
1	1	26	2011	2	17	0.5398	25.506	6.6500	4.7481	47.2522	11.65	0.002544
1	1	26	2011	2	18	0.7630	43.250	6.6500	4.7481	56.6821	10.18	0.002699
1	1	26	2011	2	19	0.8231	46.653	6.6500	4.7481	56.6821	9.86	0.001293
1	1	26	2011	2	20	0.7898	51.145	6.6500	4.7481	64.7605	8.70	0.006032
1	1	26	2011	2	21	0.9723	62.964	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2011	2	22	1.2700	165.380	6.6500	4.7481	130.2221	6.58	0.010278
1	1	26	2011	2	23	1.6009	316.676	6.6500	4.7481	197.8148	6.28	0.036527
1	1	26	2011	2	24	11.7789	101.089	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2011	2	25	11.3563	309.235	6.8800	4.9123	27.2301	6.43	0.000303
1	1	26	2011	2	26	2.4882	243.194	6.6500	4.7481	97.7390	4.34	0.003655
1	1	26	2011	2	27	1.5051	40.985	6.6500	4.7481	27.2301	6.19	0.007008
1	1	26	2011	2	28	0.5812	25.556	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2011	3	1	0.4709	14.134	7.2800	5.3799	30.0117	24.09	0.281246
1	1	26	2011	3	2	0.3286	13.210	8.0600	5.7548	40.1957	18.52	0.101405
1	1	26	2011	3	3	0.5132	20.627	8.0600	5.7548	40.1957	18.52	0.337320
1	1	26	2011	3	4	1.0004	37.831	8.0600	5.7548	37.8166	14.25	0.103547
1	1	26	2011	3	5	1.3998	52.935	8.0600	5.7548	37.8166	14.25	0.047578
1	1	26	2011	3	6	1.8059	68.212	6.8800	4.9123	37.7707	10.10	0.027524
1	1	26	2011	3	7	1.9093	72.116	6.8800	4.9123	37.7707	9.36	0.000969
1	1	26	2011	3	8	1.6856	61.512	6.8800	4.9123	36.4932	9.33	0.000281
1	1	26	2011	3	9	1.9559	71.377	6.8800	4.9123	36.4931	8.00	0.000959
1	1	26	2011	3	10	1.9434	70.919	6.8800	4.9123	36.4932	8.12	0.001996
1	1	26	2011	3	11	2.1432	78.211	6.8800	4.9123	36.4932	7.44	0.000819
1	1	26	2011	3	12	2.2882	83.502	6.8800	4.9123	36.4932	7.05	0.000002
1	1	26	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2011	3	14	0.2219	6.658	7.2800	5.1979	30.0117	32.28	0.000028
1	1	26	2011	3	15	0.1421	6.862	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2011	3	16	1.7777	80.094	6.6500	4.7481	45.0549	12.93	0.008198
1	1	26	2011	3	17	1.8721	88.463	6.6500	4.7481	47.2522	11.65	0.002544
1	1	26	2011	3	18	2.5867	146.621	6.6500	4.7481	56.6821	10.18	0.002699
1	1	26	2011	3	19	2.7967	158.520	6.6500	4.7481	56.6821	9.86	0.001293
1	1	26	2011	3	20	3.2135	208.107	6.6500	4.7481	64.7605	8.70	0.006032
1	1	26	2011	3	21	3.9702	257.112	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2011	3	22	4.5581	593.559	6.6500	4.7481	130.2221	6.58	0.010278
1	1	26	2011	3	23	5.4992	1087.814	6.6500	4.7481	197.8148	6.28	0.036527
1	1	26	2011	3	24	1.8658	16.013	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2011	3	25	3.7724	102.724	6.8800	4.9123	27.2301	6.43	0.000303
1	1	26	2011	3	26	9.4017	918.910	6.6500	4.7481	97.7390	4.34	0.003655
1	1	26	2011	3	27	6.4996	176.985	6.6500	4.7481	27.2301	6.19	0.007008
1	1	26	2011	3	28	0.4927	21.665	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	27	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405

1	1	27	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	27	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	27	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	27	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	27	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	27	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	27	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	27	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	27	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	27	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	27	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	27	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	27	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	27	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	27	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	27	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	27	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	27	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	27	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	27	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	27	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	27	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2011	1	1	0.3758	11.277	7.2800	5.3799	30.0117	24.09	0.281246
1	1	27	2011	1	2	0.2205	8.864	8.0600	5.7548	40.1957	18.52	0.101405
1	1	27	2011	1	3	0.2539	10.207	8.0600	5.7548	40.1957	18.52	0.337320
1	1	27	2011	1	4	0.5996	22.675	8.0600	5.7548	37.8166	14.25	0.103547
1	1	27	2011	1	5	0.6608	24.989	8.0600	5.7548	37.8166	14.25	0.047578
1	1	27	2011	1	6	0.3871	14.623	6.8800	4.9123	37.7707	10.10	0.027524
1	1	27	2011	1	7	0.3874	14.633	6.8800	4.9123	37.7707	9.36	0.000969
1	1	27	2011	1	8	0.3525	12.865	6.8800	4.9123	36.4932	9.33	0.000281
1	1	27	2011	1	9	0.3869	14.120	6.8800	4.9123	36.4931	8.00	0.000959
1	1	27	2011	1	10	0.3854	14.064	6.8800	4.9123	36.4932	8.12	0.001996
1	1	27	2011	1	11	0.4192	15.297	6.8800	4.9123	36.4932	7.44	0.000819
1	1	27	2011	1	12	0.4392	16.028	6.8800	4.9123	36.4932	7.05	0.000002
1	1	27	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2011	1	14	0.1369	4.108	7.2800	5.1979	30.0117	32.28	0.000028
1	1	27	2011	1	15	0.1004	4.846	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2011	1	16	0.1499	6.753	6.6500	4.7481	45.0549	12.93	0.008198
1	1	27	2011	1	17	0.1635	7.728	6.6500	4.7481	47.2522	11.65	0.002544
1	1	27	2011	1	18	0.2136	12.105	6.6500	4.7481	56.6821	10.18	0.002699
1	1	27	2011	1	19	0.2368	13.422	6.6500	4.7481	56.6821	9.86	0.001293
1	1	27	2011	1	20	0.2800	18.135	6.6500	4.7481	64.7605	8.70	0.006032
1	1	27	2011	1	21	0.3428	22.201	6.6500	4.7481	64.7605	7.53	0.008655

1	1	27	2011	1	22	0.3585	46.686	6.6500	4.7481	130.2221	6.58	0.010278
1	1	27	2011	1	23	0.4221	83.505	6.6500	4.7481	197.8148	6.28	0.036527
1	1	27	2011	1	24	2.0466	17.565	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2011	1	25	0.6793	18.499	6.8800	4.9123	27.2301	6.43	0.000303
1	1	27	2011	1	26	0.3275	32.010	6.6500	4.7481	97.7390	4.34	0.003655
1	1	27	2011	1	27	0.5068	13.801	6.6500	4.7481	27.2301	6.19	0.007008
1	1	27	2011	1	28	0.3497	15.378	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2011	2	1	11.4975	345.060	7.2800	5.3799	30.0117	24.09	0.281246
1	1	27	2011	2	2	9.3330	375.146	8.0600	5.7548	40.1957	18.52	0.101405
1	1	27	2011	2	3	9.8790	397.092	8.0600	5.7548	40.1957	18.52	0.337320
1	1	27	2011	2	4	14.2853	540.222	8.0600	5.7548	37.8166	14.25	0.103547
1	1	27	2011	2	5	14.5584	550.548	8.0600	5.7548	37.8166	14.25	0.047578
1	1	27	2011	2	6	6.1513	232.339	6.8800	4.9123	37.7707	10.10	0.027524
1	1	27	2011	2	7	6.8268	257.854	6.8800	4.9123	37.7707	9.36	0.000969
1	1	27	2011	2	8	6.5997	240.844	6.8800	4.9123	36.4932	9.33	0.000281
1	1	27	2011	2	9	7.6913	280.679	6.8800	4.9123	36.4931	8.00	0.000959
1	1	27	2011	2	10	7.6205	278.095	6.8800	4.9123	36.4932	8.12	0.001996
1	1	27	2011	2	11	9.0328	329.637	6.8800	4.9123	36.4932	7.44	0.000819
1	1	27	2011	2	12	9.6273	351.332	6.8800	4.9123	36.4932	7.05	0.000002
1	1	27	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2011	2	14	0.7617	22.860	7.2800	5.1979	30.0117	32.28	0.000028
1	1	27	2011	2	15	0.3302	15.944	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2011	2	16	0.4907	22.107	6.6500	4.7481	45.0549	12.93	0.008198
1	1	27	2011	2	17	0.5210	24.619	6.6500	4.7481	47.2522	11.65	0.002544
1	1	27	2011	2	18	0.7365	41.746	6.6500	4.7481	56.6821	10.18	0.002699
1	1	27	2011	2	19	0.7944	45.031	6.6500	4.7481	56.6821	9.86	0.001293
1	1	27	2011	2	20	0.7623	49.367	6.6500	4.7481	64.7605	8.70	0.006032
1	1	27	2011	2	21	0.9385	60.775	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2011	2	22	1.2258	159.630	6.6500	4.7481	130.2221	6.58	0.010278
1	1	27	2011	2	23	1.5452	305.665	6.6500	4.7481	197.8148	6.28	0.036527
1	1	27	2011	2	24	11.4987	98.684	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2011	2	25	10.9664	298.617	6.8800	4.9123	27.2301	6.43	0.000303
1	1	27	2011	2	26	2.4017	234.737	6.6500	4.7481	97.7390	4.34	0.003655
1	1	27	2011	2	27	1.4528	39.559	6.6500	4.7481	27.2301	6.19	0.007008
1	1	27	2011	2	28	0.5687	25.009	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2011	3	1	0.4678	14.041	7.2800	5.3799	30.0117	24.09	0.281246
1	1	27	2011	3	2	0.3263	13.116	8.0600	5.7548	40.1957	18.52	0.101405
1	1	27	2011	3	3	0.5098	20.493	8.0600	5.7548	40.1957	18.52	0.337320
1	1	27	2011	3	4	0.9945	37.609	8.0600	5.7548	37.8166	14.25	0.103547
1	1	27	2011	3	5	1.3923	52.652	8.0600	5.7548	37.8166	14.25	0.047578
1	1	27	2011	3	6	1.8186	68.691	6.8800	4.9123	37.7707	10.10	0.027524
1	1	27	2011	3	7	1.9227	72.622	6.8800	4.9123	37.7707	9.36	0.000969
1	1	27	2011	3	8	1.6974	61.944	6.8800	4.9123	36.4932	9.33	0.000281
1	1	27	2011	3	9	1.9696	71.878	6.8800	4.9123	36.4931	8.00	0.000959
1	1	27	2011	3	10	1.9570	71.417	6.8800	4.9123	36.4932	8.12	0.001996
1	1	27	2011	3	11	2.1582	78.760	6.8800	4.9123	36.4932	7.44	0.000819
1	1	27	2011	3	12	2.3042	84.089	6.8800	4.9123	36.4932	7.05	0.000002

1	1	27	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2011	3	14	0.2202	6.609	7.2800	5.1979	30.0117	32.28	0.000028
1	1	27	2011	3	15	0.1410	6.810	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2011	3	16	1.7638	79.467	6.6500	4.7481	45.0549	12.93	0.008198
1	1	27	2011	3	17	1.8575	87.770	6.6500	4.7481	47.2522	11.65	0.002544
1	1	27	2011	3	18	2.5665	145.473	6.6500	4.7481	56.6821	10.18	0.002699
1	1	27	2011	3	19	2.7748	157.279	6.6500	4.7481	56.6821	9.86	0.001293
1	1	27	2011	3	20	3.1879	206.447	6.6500	4.7481	64.7605	8.70	0.006032
1	1	27	2011	3	21	3.9385	255.061	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2011	3	22	4.5232	589.019	6.6500	4.7481	130.2221	6.58	0.010278
1	1	27	2011	3	23	5.4580	1079.665	6.6500	4.7481	197.8148	6.28	0.036527
1	1	27	2011	3	24	1.8821	16.153	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2011	3	25	3.7989	103.445	6.8800	4.9123	27.2301	6.43	0.000303
1	1	27	2011	3	26	9.3259	911.500	6.6500	4.7481	97.7390	4.34	0.003655
1	1	27	2011	3	27	6.4472	175.559	6.6500	4.7481	27.2301	6.19	0.007008
1	1	27	2011	3	28	0.4890	21.502	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	28	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	28	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	28	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	28	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	28	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	28	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	28	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	28	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	28	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	28	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	28	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	28	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	28	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	28	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	28	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	28	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	28	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	28	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	28	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	28	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	28	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	28	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	28	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2011	1	1	0.3725	11.179	7.2800	5.3799	30.0117	24.09	0.281246
1	1	28	2011	1	2	0.2188	8.796	8.0600	5.7548	40.1957	18.52	0.101405
1	1	28	2011	1	3	0.2521	10.133	8.0600	5.7548	40.1957	18.52	0.337320

1	1	28	2011	1	4	0.5941	22.467	8.0600	5.7548	37.8166	14.25	0.103547
1	1	28	2011	1	5	0.6548	24.763	8.0600	5.7548	37.8166	14.25	0.047578
1	1	28	2011	1	6	0.3743	14.137	6.8800	4.9123	37.7707	10.10	0.027524
1	1	28	2011	1	7	0.3745	14.147	6.8800	4.9123	37.7707	9.36	0.000969
1	1	28	2011	1	8	0.3411	12.449	6.8800	4.9123	36.4932	9.33	0.000281
1	1	28	2011	1	9	0.3740	13.649	6.8800	4.9123	36.4931	8.00	0.000959
1	1	28	2011	1	10	0.3725	13.595	6.8800	4.9123	36.4932	8.12	0.001996
1	1	28	2011	1	11	0.4049	14.774	6.8800	4.9123	36.4932	7.44	0.000819
1	1	28	2011	1	12	0.4240	15.473	6.8800	4.9123	36.4932	7.05	0.000002
1	1	28	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2011	1	14	0.1344	4.033	7.2800	5.1979	30.0117	32.28	0.000028
1	1	28	2011	1	15	0.0984	4.751	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2011	1	16	0.1457	6.564	6.6500	4.7481	45.0549	12.93	0.008198
1	1	28	2011	1	17	0.1590	7.512	6.6500	4.7481	47.2522	11.65	0.002544
1	1	28	2011	1	18	0.2076	11.767	6.6500	4.7481	56.6821	10.18	0.002699
1	1	28	2011	1	19	0.2302	13.047	6.6500	4.7481	56.6821	9.86	0.001293
1	1	28	2011	1	20	0.2722	17.628	6.6500	4.7481	64.7605	8.70	0.006032
1	1	28	2011	1	21	0.3332	21.581	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2011	1	22	0.3485	45.382	6.6500	4.7481	130.2221	6.58	0.010278
1	1	28	2011	1	23	0.4104	81.173	6.6500	4.7481	197.8148	6.28	0.036527
1	1	28	2011	1	24	2.0153	17.296	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2011	1	25	0.6554	17.846	6.8800	4.9123	27.2301	6.43	0.000303
1	1	28	2011	1	26	0.3184	31.117	6.6500	4.7481	97.7390	4.34	0.003655
1	1	28	2011	1	27	0.4927	13.416	6.6500	4.7481	27.2301	6.19	0.007008
1	1	28	2011	1	28	0.3429	15.079	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2011	2	1	11.5106	345.452	7.2800	5.3799	30.0117	24.09	0.281246
1	1	28	2011	2	2	9.3444	375.603	8.0600	5.7548	40.1957	18.52	0.101405
1	1	28	2011	2	3	9.8925	397.635	8.0600	5.7548	40.1957	18.52	0.337320
1	1	28	2011	2	4	14.3083	541.092	8.0600	5.7548	37.8166	14.25	0.103547
1	1	28	2011	2	5	14.5818	551.434	8.0600	5.7548	37.8166	14.25	0.047578
1	1	28	2011	2	6	5.9789	225.828	6.8800	4.9123	37.7707	10.10	0.027524
1	1	28	2011	2	7	6.6355	250.628	6.8800	4.9123	37.7707	9.36	0.000969
1	1	28	2011	2	8	6.4148	234.095	6.8800	4.9123	36.4932	9.33	0.000281
1	1	28	2011	2	9	7.4757	272.814	6.8800	4.9123	36.4931	8.00	0.000959
1	1	28	2011	2	10	7.4069	270.303	6.8800	4.9123	36.4932	8.12	0.001996
1	1	28	2011	2	11	8.7797	320.399	6.8800	4.9123	36.4932	7.44	0.000819
1	1	28	2011	2	12	9.3576	341.487	6.8800	4.9123	36.4932	7.05	0.000002
1	1	28	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2011	2	14	0.7482	22.453	7.2800	5.1979	30.0117	32.28	0.000028
1	1	28	2011	2	15	0.3238	15.633	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2011	2	16	0.4758	21.436	6.6500	4.7481	45.0549	12.93	0.008198
1	1	28	2011	2	17	0.5052	23.872	6.6500	4.7481	47.2522	11.65	0.002544
1	1	28	2011	2	18	0.7142	40.480	6.6500	4.7481	56.6821	10.18	0.002699
1	1	28	2011	2	19	0.7703	43.665	6.6500	4.7481	56.6821	9.86	0.001293
1	1	28	2011	2	20	0.7392	47.869	6.6500	4.7481	64.7605	8.70	0.006032
1	1	28	2011	2	21	0.9100	58.931	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2011	2	22	1.1886	154.788	6.6500	4.7481	130.2221	6.58	0.010278

1	1	28	2011	2	23	1.4983	296.393	6.6500	4.7481	197.8148	6.28	0.036527
1	1	28	2011	2	24	11.2266	96.349	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2011	2	25	10.6591	290.249	6.8800	4.9123	27.2301	6.43	0.000303
1	1	28	2011	2	26	2.3288	227.617	6.6500	4.7481	97.7390	4.34	0.003655
1	1	28	2011	2	27	1.4087	38.360	6.6500	4.7481	27.2301	6.19	0.007008
1	1	28	2011	2	28	0.5582	24.547	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2011	3	1	0.4659	13.984	7.2800	5.3799	30.0117	24.09	0.281246
1	1	28	2011	3	2	0.3248	13.055	8.0600	5.7548	40.1957	18.52	0.101405
1	1	28	2011	3	3	0.5081	20.422	8.0600	5.7548	40.1957	18.52	0.337320
1	1	28	2011	3	4	0.9916	37.500	8.0600	5.7548	37.8166	14.25	0.103547
1	1	28	2011	3	5	1.3885	52.509	8.0600	5.7548	37.8166	14.25	0.047578
1	1	28	2011	3	6	1.8352	69.318	6.8800	4.9123	37.7707	10.10	0.027524
1	1	28	2011	3	7	1.9403	73.286	6.8800	4.9123	37.7707	9.36	0.000969
1	1	28	2011	3	8	1.7129	62.510	6.8800	4.9123	36.4932	9.33	0.000281
1	1	28	2011	3	9	1.9876	72.534	6.8800	4.9123	36.4931	8.00	0.000959
1	1	28	2011	3	10	1.9749	72.069	6.8800	4.9123	36.4932	8.12	0.001996
1	1	28	2011	3	11	2.1779	79.480	6.8800	4.9123	36.4932	7.44	0.000819
1	1	28	2011	3	12	2.3253	84.857	6.8800	4.9123	36.4932	7.05	0.000002
1	1	28	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2011	3	14	0.2198	6.596	7.2800	5.1979	30.0117	32.28	0.000028
1	1	28	2011	3	15	0.1408	6.797	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2011	3	16	1.7601	79.302	6.6500	4.7481	45.0549	12.93	0.008198
1	1	28	2011	3	17	1.8536	87.587	6.6500	4.7481	47.2522	11.65	0.002544
1	1	28	2011	3	18	2.5611	145.171	6.6500	4.7481	56.6821	10.18	0.002699
1	1	28	2011	3	19	2.7690	156.952	6.6500	4.7481	56.6821	9.86	0.001293
1	1	28	2011	3	20	3.1811	206.010	6.6500	4.7481	64.7605	8.70	0.006032
1	1	28	2011	3	21	3.9302	254.521	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2011	3	22	4.5140	587.823	6.6500	4.7481	130.2221	6.58	0.010278
1	1	28	2011	3	23	5.4471	1077.518	6.6500	4.7481	197.8148	6.28	0.036527
1	1	28	2011	3	24	1.8984	16.293	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2011	3	25	3.8336	104.390	6.8800	4.9123	27.2301	6.43	0.000303
1	1	28	2011	3	26	9.3059	909.547	6.6500	4.7481	97.7390	4.34	0.003655
1	1	28	2011	3	27	6.4334	175.184	6.6500	4.7481	27.2301	6.19	0.007008
1	1	28	2011	3	28	0.4880	21.459	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	29	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	29	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	29	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	29	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	29	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	29	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	29	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	29	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	29	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	29	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	29	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	29	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000

1	1	29	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	29	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	29	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	29	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	29	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	29	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	29	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	29	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	29	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	29	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	29	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	29	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2011	1	1	0.3694	11.087	7.2800	5.3799	30.0117	24.09	0.281246
1	1	29	2011	1	2	0.2172	8.732	8.0600	5.7548	40.1957	18.52	0.101405
1	1	29	2011	1	3	0.2504	10.064	8.0600	5.7548	40.1957	18.52	0.337320
1	1	29	2011	1	4	0.5890	22.273	8.0600	5.7548	37.8166	14.25	0.103547
1	1	29	2011	1	5	0.6492	24.551	8.0600	5.7548	37.8166	14.25	0.047578
1	1	29	2011	1	6	0.3622	13.682	6.8800	4.9123	37.7707	10.10	0.027524
1	1	29	2011	1	7	0.3625	13.691	6.8800	4.9123	37.7707	9.36	0.000969
1	1	29	2011	1	8	0.3304	12.059	6.8800	4.9123	36.4932	9.33	0.000281
1	1	29	2011	1	9	0.3619	13.208	6.8800	4.9123	36.4931	8.00	0.000959
1	1	29	2011	1	10	0.3605	13.156	6.8800	4.9123	36.4932	8.12	0.001996
1	1	29	2011	1	11	0.3914	14.285	6.8800	4.9123	36.4932	7.44	0.000819
1	1	29	2011	1	12	0.4098	14.954	6.8800	4.9123	36.4932	7.05	0.000002
1	1	29	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2011	1	14	0.1320	3.962	7.2800	5.1979	30.0117	32.28	0.000028
1	1	29	2011	1	15	0.0965	4.661	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2011	1	16	0.1418	6.388	6.6500	4.7481	45.0549	12.93	0.008198
1	1	29	2011	1	17	0.1547	7.310	6.6500	4.7481	47.2522	11.65	0.002544
1	1	29	2011	1	18	0.2020	11.450	6.6500	4.7481	56.6821	10.18	0.002699
1	1	29	2011	1	19	0.2240	12.696	6.6500	4.7481	56.6821	9.86	0.001293
1	1	29	2011	1	20	0.2649	17.153	6.6500	4.7481	64.7605	8.70	0.006032
1	1	29	2011	1	21	0.3243	21.000	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2011	1	22	0.3391	44.160	6.6500	4.7481	130.2221	6.58	0.010278
1	1	29	2011	1	23	0.3993	78.987	6.6500	4.7481	197.8148	6.28	0.036527
1	1	29	2011	1	24	1.9859	17.043	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2011	1	25	0.6329	17.234	6.8800	4.9123	27.2301	6.43	0.000303
1	1	29	2011	1	26	0.3098	30.279	6.6500	4.7481	97.7390	4.34	0.003655
1	1	29	2011	1	27	0.4794	13.054	6.6500	4.7481	27.2301	6.19	0.007008
1	1	29	2011	1	28	0.3365	14.799	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2011	2	1	11.5228	345.819	7.2800	5.3799	30.0117	24.09	0.281246
1	1	29	2011	2	2	9.3550	376.032	8.0600	5.7548	40.1957	18.52	0.101405
1	1	29	2011	2	3	9.9051	398.144	8.0600	5.7548	40.1957	18.52	0.337320
1	1	29	2011	2	4	14.3298	541.907	8.0600	5.7548	37.8166	14.25	0.103547

1	1	29	2011	2	5	14.6037	552.263	8.0600	5.7548	37.8166	14.25	0.047578
1	1	29	2011	2	6	5.8173	219.725	6.8800	4.9123	37.7707	10.10	0.027524
1	1	29	2011	2	7	6.4562	243.854	6.8800	4.9123	37.7707	9.36	0.000969
1	1	29	2011	2	8	6.2414	227.768	6.8800	4.9123	36.4932	9.33	0.000281
1	1	29	2011	2	9	7.2737	265.440	6.8800	4.9123	36.4931	8.00	0.000959
1	1	29	2011	2	10	7.2067	262.997	6.8800	4.9123	36.4932	8.12	0.001996
1	1	29	2011	2	11	8.5424	311.740	6.8800	4.9123	36.4932	7.44	0.000819
1	1	29	2011	2	12	9.1047	332.258	6.8800	4.9123	36.4932	7.05	0.000002
1	1	29	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2011	2	14	0.7355	22.072	7.2800	5.1979	30.0117	32.28	0.000028
1	1	29	2011	2	15	0.3177	15.341	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2011	2	16	0.4618	20.808	6.6500	4.7481	45.0549	12.93	0.008198
1	1	29	2011	2	17	0.4904	23.172	6.6500	4.7481	47.2522	11.65	0.002544
1	1	29	2011	2	18	0.6932	39.293	6.6500	4.7481	56.6821	10.18	0.002699
1	1	29	2011	2	19	0.7478	42.384	6.6500	4.7481	56.6821	9.86	0.001293
1	1	29	2011	2	20	0.7175	46.465	6.6500	4.7481	64.7605	8.70	0.006032
1	1	29	2011	2	21	0.8833	57.203	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2011	2	22	1.1538	150.248	6.6500	4.7481	130.2221	6.58	0.010278
1	1	29	2011	2	23	1.4544	287.701	6.6500	4.7481	197.8148	6.28	0.036527
1	1	29	2011	2	24	10.9716	94.160	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2011	2	25	10.3710	282.404	6.8800	4.9123	27.2301	6.43	0.000303
1	1	29	2011	2	26	2.2605	220.942	6.6500	4.7481	97.7390	4.34	0.003655
1	1	29	2011	2	27	1.3674	37.235	6.6500	4.7481	27.2301	6.19	0.007008
1	1	29	2011	2	28	0.5484	24.115	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2011	3	1	0.4642	13.930	7.2800	5.3799	30.0117	24.09	0.281246
1	1	29	2011	3	2	0.3233	12.997	8.0600	5.7548	40.1957	18.52	0.101405
1	1	29	2011	3	3	0.5064	20.355	8.0600	5.7548	40.1957	18.52	0.337320
1	1	29	2011	3	4	0.9890	37.399	8.0600	5.7548	37.8166	14.25	0.103547
1	1	29	2011	3	5	1.3850	52.376	8.0600	5.7548	37.8166	14.25	0.047578
1	1	29	2011	3	6	1.8508	69.906	6.8800	4.9123	37.7707	10.10	0.027524
1	1	29	2011	3	7	1.9567	73.907	6.8800	4.9123	37.7707	9.36	0.000969
1	1	29	2011	3	8	1.7274	63.040	6.8800	4.9123	36.4932	9.33	0.000281
1	1	29	2011	3	9	2.0045	73.149	6.8800	4.9123	36.4931	8.00	0.000959
1	1	29	2011	3	10	1.9916	72.681	6.8800	4.9123	36.4932	8.12	0.001996
1	1	29	2011	3	11	2.1964	80.154	6.8800	4.9123	36.4932	7.44	0.000819
1	1	29	2011	3	12	2.3450	85.576	6.8800	4.9123	36.4932	7.05	0.000002
1	1	29	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2011	3	14	0.2194	6.584	7.2800	5.1979	30.0117	32.28	0.000028
1	1	29	2011	3	15	0.1405	6.784	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2011	3	16	1.7567	79.147	6.6500	4.7481	45.0549	12.93	0.008198
1	1	29	2011	3	17	1.8500	87.416	6.6500	4.7481	47.2522	11.65	0.002544
1	1	29	2011	3	18	2.5561	144.887	6.6500	4.7481	56.6821	10.18	0.002699
1	1	29	2011	3	19	2.7636	156.646	6.6500	4.7481	56.6821	9.86	0.001293
1	1	29	2011	3	20	3.1748	205.600	6.6500	4.7481	64.7605	8.70	0.006032
1	1	29	2011	3	21	3.9224	254.014	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2011	3	22	4.5054	586.701	6.6500	4.7481	130.2221	6.58	0.010278
1	1	29	2011	3	23	5.4369	1075.505	6.6500	4.7481	197.8148	6.28	0.036527

1	1	29	2011	3	24	1.9138	16.424	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2011	3	25	3.8661	105.275	6.8800	4.9123	27.2301	6.43	0.000303
1	1	29	2011	3	26	9.2872	907.717	6.6500	4.7481	97.7390	4.34	0.003655
1	1	29	2011	3	27	6.4205	174.831	6.6500	4.7481	27.2301	6.19	0.007008
1	1	29	2011	3	28	0.4871	21.419	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	30	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	30	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	30	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	30	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	30	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	30	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	30	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	30	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	30	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	30	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	30	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	30	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	30	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	30	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	30	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	30	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	30	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	30	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	30	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	30	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	30	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	30	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	30	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2011	1	1	0.3665	11.000	7.2800	5.3799	30.0117	24.09	0.281246
1	1	30	2011	1	2	0.2157	8.672	8.0600	5.7548	40.1957	18.52	0.101405
1	1	30	2011	1	3	0.2487	9.999	8.0600	5.7548	40.1957	18.52	0.337320
1	1	30	2011	1	4	0.5841	22.090	8.0600	5.7548	37.8166	14.25	0.103547
1	1	30	2011	1	5	0.6439	24.352	8.0600	5.7548	37.8166	14.25	0.047578
1	1	30	2011	1	6	0.3509	13.254	6.8800	4.9123	37.7707	10.10	0.027524
1	1	30	2011	1	7	0.3512	13.263	6.8800	4.9123	37.7707	9.36	0.000969
1	1	30	2011	1	8	0.3204	11.692	6.8800	4.9123	36.4932	9.33	0.000281
1	1	30	2011	1	9	0.3506	12.793	6.8800	4.9123	36.4931	8.00	0.000959
1	1	30	2011	1	10	0.3492	12.744	6.8800	4.9123	36.4932	8.12	0.001996
1	1	30	2011	1	11	0.3788	13.825	6.8800	4.9123	36.4932	7.44	0.000819
1	1	30	2011	1	12	0.3964	14.466	6.8800	4.9123	36.4932	7.05	0.000002
1	1	30	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2011	1	14	0.1298	3.896	7.2800	5.1979	30.0117	32.28	0.000028

1	1	30	2011	1	15	0.0948	4.577	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2011	1	16	0.1381	6.222	6.6500	4.7481	45.0549	12.93	0.008198
1	1	30	2011	1	17	0.1507	7.119	6.6500	4.7481	47.2522	11.65	0.002544
1	1	30	2011	1	18	0.1968	11.153	6.6500	4.7481	56.6821	10.18	0.002699
1	1	30	2011	1	19	0.2182	12.366	6.6500	4.7481	56.6821	9.86	0.001293
1	1	30	2011	1	20	0.2580	16.708	6.6500	4.7481	64.7605	8.70	0.006032
1	1	30	2011	1	21	0.3158	20.454	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2011	1	22	0.3303	43.012	6.6500	4.7481	130.2221	6.58	0.010278
1	1	30	2011	1	23	0.3889	76.934	6.6500	4.7481	197.8148	6.28	0.036527
1	1	30	2011	1	24	1.9583	16.806	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2011	1	25	0.6118	16.660	6.8800	4.9123	27.2301	6.43	0.000303
1	1	30	2011	1	26	0.3017	29.491	6.6500	4.7481	97.7390	4.34	0.003655
1	1	30	2011	1	27	0.4669	12.715	6.6500	4.7481	27.2301	6.19	0.007008
1	1	30	2011	1	28	0.3305	14.535	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2011	2	1	11.5343	346.164	7.2800	5.3799	30.0117	24.09	0.281246
1	1	30	2011	2	2	9.3651	376.435	8.0600	5.7548	40.1957	18.52	0.101405
1	1	30	2011	2	3	9.9170	398.622	8.0600	5.7548	40.1957	18.52	0.337320
1	1	30	2011	2	4	14.3501	542.672	8.0600	5.7548	37.8166	14.25	0.103547
1	1	30	2011	2	5	14.6243	553.043	8.0600	5.7548	37.8166	14.25	0.047578
1	1	30	2011	2	6	5.6655	213.991	6.8800	4.9123	37.7707	10.10	0.027524
1	1	30	2011	2	7	6.2877	237.491	6.8800	4.9123	37.7707	9.36	0.000969
1	1	30	2011	2	8	6.0785	221.824	6.8800	4.9123	36.4932	9.33	0.000281
1	1	30	2011	2	9	7.0839	258.513	6.8800	4.9123	36.4931	8.00	0.000959
1	1	30	2011	2	10	7.0187	256.134	6.8800	4.9123	36.4932	8.12	0.001996
1	1	30	2011	2	11	8.3195	303.605	6.8800	4.9123	36.4932	7.44	0.000819
1	1	30	2011	2	12	8.8671	323.587	6.8800	4.9123	36.4932	7.05	0.000002
1	1	30	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2011	2	14	0.7235	21.714	7.2800	5.1979	30.0117	32.28	0.000028
1	1	30	2011	2	15	0.3121	15.067	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2011	2	16	0.4487	20.217	6.6500	4.7481	45.0549	12.93	0.008198
1	1	30	2011	2	17	0.4765	22.514	6.6500	4.7481	47.2522	11.65	0.002544
1	1	30	2011	2	18	0.6735	38.177	6.6500	4.7481	56.6821	10.18	0.002699
1	1	30	2011	2	19	0.7265	41.181	6.6500	4.7481	56.6821	9.86	0.001293
1	1	30	2011	2	20	0.6971	45.147	6.6500	4.7481	64.7605	8.70	0.006032
1	1	30	2011	2	21	0.8582	55.580	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2011	2	22	1.1210	145.984	6.6500	4.7481	130.2221	6.58	0.010278
1	1	30	2011	2	23	1.4131	279.536	6.6500	4.7481	197.8148	6.28	0.036527
1	1	30	2011	2	24	10.7320	92.104	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2011	2	25	10.1004	275.035	6.8800	4.9123	27.2301	6.43	0.000303
1	1	30	2011	2	26	2.1964	214.671	6.6500	4.7481	97.7390	4.34	0.003655
1	1	30	2011	2	27	1.3286	36.178	6.6500	4.7481	27.2301	6.19	0.007008
1	1	30	2011	2	28	0.5392	23.709	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2011	3	1	0.4625	13.880	7.2800	5.3799	30.0117	24.09	0.281246
1	1	30	2011	3	2	0.3220	12.942	8.0600	5.7548	40.1957	18.52	0.101405
1	1	30	2011	3	3	0.5048	20.292	8.0600	5.7548	40.1957	18.52	0.337320
1	1	30	2011	3	4	0.9864	37.304	8.0600	5.7548	37.8166	14.25	0.103547
1	1	30	2011	3	5	1.3817	52.250	8.0600	5.7548	37.8166	14.25	0.047578

1	1	30	2011	3	6	1.8654	70.458	6.8800	4.9123	37.7707	10.10	0.027524
1	1	30	2011	3	7	1.9722	74.491	6.8800	4.9123	37.7707	9.36	0.000969
1	1	30	2011	3	8	1.7411	63.538	6.8800	4.9123	36.4932	9.33	0.000281
1	1	30	2011	3	9	2.0203	73.728	6.8800	4.9123	36.4931	8.00	0.000959
1	1	30	2011	3	10	2.0074	73.255	6.8800	4.9123	36.4932	8.12	0.001996
1	1	30	2011	3	11	2.2138	80.787	6.8800	4.9123	36.4932	7.44	0.000819
1	1	30	2011	3	12	2.3635	86.253	6.8800	4.9123	36.4932	7.05	0.000002
1	1	30	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2011	3	14	0.2190	6.572	7.2800	5.1979	30.0117	32.28	0.000028
1	1	30	2011	3	15	0.1402	6.772	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2011	3	16	1.7535	79.002	6.6500	4.7481	45.0549	12.93	0.008198
1	1	30	2011	3	17	1.8466	87.256	6.6500	4.7481	47.2522	11.65	0.002544
1	1	30	2011	3	18	2.5514	144.621	6.6500	4.7481	56.6821	10.18	0.002699
1	1	30	2011	3	19	2.7585	156.358	6.6500	4.7481	56.6821	9.86	0.001293
1	1	30	2011	3	20	3.1688	205.215	6.6500	4.7481	64.7605	8.70	0.006032
1	1	30	2011	3	21	3.9150	253.538	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2011	3	22	4.4973	585.648	6.6500	4.7481	130.2221	6.58	0.010278
1	1	30	2011	3	23	5.4274	1073.614	6.6500	4.7481	197.8148	6.28	0.036527
1	1	30	2011	3	24	1.9281	16.548	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2011	3	25	3.8967	106.107	6.8800	4.9123	27.2301	6.43	0.000303
1	1	30	2011	3	26	9.2696	905.998	6.6500	4.7481	97.7390	4.34	0.003655
1	1	30	2011	3	27	6.4084	174.500	6.6500	4.7481	27.2301	6.19	0.007008
1	1	30	2011	3	28	0.4862	21.381	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	31	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	31	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	31	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	31	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	31	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	31	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	31	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	31	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	31	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	31	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	31	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	31	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	31	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	31	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	31	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	31	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	31	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	31	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	31	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	31	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374

1	1	31	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	31	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	31	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	31	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2011	1	1	0.3638	10.919	7.2800	5.3799	30.0117	24.09	0.281246
1	1	31	2011	1	2	0.2143	8.616	8.0600	5.7548	40.1957	18.52	0.101405
1	1	31	2011	1	3	0.2472	9.937	8.0600	5.7548	40.1957	18.52	0.337320
1	1	31	2011	1	4	0.5796	21.917	8.0600	5.7548	37.8166	14.25	0.103547
1	1	31	2011	1	5	0.6390	24.165	8.0600	5.7548	37.8166	14.25	0.047578
1	1	31	2011	1	6	0.3403	12.852	6.8800	4.9123	37.7707	10.10	0.027524
1	1	31	2011	1	7	0.3405	12.860	6.8800	4.9123	37.7707	9.36	0.000969
1	1	31	2011	1	8	0.3109	11.347	6.8800	4.9123	36.4932	9.33	0.000281
1	1	31	2011	1	9	0.3399	12.403	6.8800	4.9123	36.4931	8.00	0.000959
1	1	31	2011	1	10	0.3386	12.355	6.8800	4.9123	36.4932	8.12	0.001996
1	1	31	2011	1	11	0.3670	13.392	6.8800	4.9123	36.4932	7.44	0.000819
1	1	31	2011	1	12	0.3838	14.006	6.8800	4.9123	36.4932	7.05	0.000002
1	1	31	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2011	1	14	0.1277	3.833	7.2800	5.1979	30.0117	32.28	0.000028
1	1	31	2011	1	15	0.0932	4.498	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2011	1	16	0.1346	6.065	6.6500	4.7481	45.0549	12.93	0.008198
1	1	31	2011	1	17	0.1469	6.941	6.6500	4.7481	47.2522	11.65	0.002544
1	1	31	2011	1	18	0.1918	10.872	6.6500	4.7481	56.6821	10.18	0.002699
1	1	31	2011	1	19	0.2127	12.055	6.6500	4.7481	56.6821	9.86	0.001293
1	1	31	2011	1	20	0.2515	16.288	6.6500	4.7481	64.7605	8.70	0.006032
1	1	31	2011	1	21	0.3079	19.940	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2011	1	22	0.3220	41.931	6.6500	4.7481	130.2221	6.58	0.010278
1	1	31	2011	1	23	0.3791	75.001	6.6500	4.7481	197.8148	6.28	0.036527
1	1	31	2011	1	24	1.9323	16.583	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2011	1	25	0.5919	16.119	6.8800	4.9123	27.2301	6.43	0.000303
1	1	31	2011	1	26	0.2942	28.751	6.6500	4.7481	97.7390	4.34	0.003655
1	1	31	2011	1	27	0.4552	12.396	6.6500	4.7481	27.2301	6.19	0.007008
1	1	31	2011	1	28	0.3249	14.287	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2011	2	1	11.5451	346.489	7.2800	5.3799	30.0117	24.09	0.281246
1	1	31	2011	2	2	9.3745	376.814	8.0600	5.7548	40.1957	18.52	0.101405
1	1	31	2011	2	3	9.9282	399.072	8.0600	5.7548	40.1957	18.52	0.337320
1	1	31	2011	2	4	14.3691	543.393	8.0600	5.7548	37.8166	14.25	0.103547
1	1	31	2011	2	5	14.6437	553.776	8.0600	5.7548	37.8166	14.25	0.047578
1	1	31	2011	2	6	5.5227	208.594	6.8800	4.9123	37.7707	10.10	0.027524
1	1	31	2011	2	7	6.1291	231.502	6.8800	4.9123	37.7707	9.36	0.000969
1	1	31	2011	2	8	5.9252	216.230	6.8800	4.9123	36.4932	9.33	0.000281
1	1	31	2011	2	9	6.9052	251.994	6.8800	4.9123	36.4931	8.00	0.000959
1	1	31	2011	2	10	6.8417	249.675	6.8800	4.9123	36.4932	8.12	0.001996
1	1	31	2011	2	11	8.1097	295.948	6.8800	4.9123	36.4932	7.44	0.000819
1	1	31	2011	2	12	8.6435	315.427	6.8800	4.9123	36.4932	7.05	0.000002
1	1	31	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2011	2	14	0.7123	21.377	7.2800	5.1979	30.0117	32.28	0.000028
1	1	31	2011	2	15	0.3067	14.810	8.0600	5.7548	48.2848	22.10	0.004518

1	1	31	2011	2	16	0.4364	19.661	6.6500	4.7481	45.0549	12.93	0.008198
1	1	31	2011	2	17	0.4634	21.895	6.6500	4.7481	47.2522	11.65	0.002544
1	1	31	2011	2	18	0.6550	37.128	6.6500	4.7481	56.6821	10.18	0.002699
1	1	31	2011	2	19	0.7066	40.049	6.6500	4.7481	56.6821	9.86	0.001293
1	1	31	2011	2	20	0.6780	43.905	6.6500	4.7481	64.7605	8.70	0.006032
1	1	31	2011	2	21	0.8346	54.052	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2011	2	22	1.0902	141.971	6.6500	4.7481	130.2221	6.58	0.010278
1	1	31	2011	2	23	1.3743	271.851	6.6500	4.7481	197.8148	6.28	0.036527
1	1	31	2011	2	24	10.5065	90.169	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2011	2	25	9.8457	268.099	6.8800	4.9123	27.2301	6.43	0.000303
1	1	31	2011	2	26	2.1360	208.770	6.6500	4.7481	97.7390	4.34	0.003655
1	1	31	2011	2	27	1.2921	35.183	6.6500	4.7481	27.2301	6.19	0.007008
1	1	31	2011	2	28	0.5305	23.327	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2011	3	1	0.4609	13.833	7.2800	5.3799	30.0117	24.09	0.281246
1	1	31	2011	3	2	0.3207	12.891	8.0600	5.7548	40.1957	18.52	0.101405
1	1	31	2011	3	3	0.5034	20.233	8.0600	5.7548	40.1957	18.52	0.337320
1	1	31	2011	3	4	0.9841	37.214	8.0600	5.7548	37.8166	14.25	0.103547
1	1	31	2011	3	5	1.3785	52.132	8.0600	5.7548	37.8166	14.25	0.047578
1	1	31	2011	3	6	1.8792	70.978	6.8800	4.9123	37.7707	10.10	0.027524
1	1	31	2011	3	7	1.9868	75.041	6.8800	4.9123	37.7707	9.36	0.000969
1	1	31	2011	3	8	1.7539	64.007	6.8800	4.9123	36.4932	9.33	0.000281
1	1	31	2011	3	9	2.0352	74.272	6.8800	4.9123	36.4931	8.00	0.000959
1	1	31	2011	3	10	2.0222	73.796	6.8800	4.9123	36.4932	8.12	0.001996
1	1	31	2011	3	11	2.2301	81.384	6.8800	4.9123	36.4932	7.44	0.000819
1	1	31	2011	3	12	2.3810	86.889	6.8800	4.9123	36.4932	7.05	0.000002
1	1	31	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2011	3	14	0.2186	6.561	7.2800	5.1979	30.0117	32.28	0.000028
1	1	31	2011	3	15	0.1400	6.761	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2011	3	16	1.7504	78.865	6.6500	4.7481	45.0549	12.93	0.008198
1	1	31	2011	3	17	1.8434	87.104	6.6500	4.7481	47.2522	11.65	0.002544
1	1	31	2011	3	18	2.5470	144.370	6.6500	4.7481	56.6821	10.18	0.002699
1	1	31	2011	3	19	2.7537	156.087	6.6500	4.7481	56.6821	9.86	0.001293
1	1	31	2011	3	20	3.1632	204.852	6.6500	4.7481	64.7605	8.70	0.006032
1	1	31	2011	3	21	3.9081	253.090	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2011	3	22	4.4897	584.656	6.6500	4.7481	130.2221	6.58	0.010278
1	1	31	2011	3	23	5.4184	1071.834	6.6500	4.7481	197.8148	6.28	0.036527
1	1	31	2011	3	24	1.9417	16.664	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2011	3	25	3.9254	106.890	6.8800	4.9123	27.2301	6.43	0.000303
1	1	31	2011	3	26	9.2530	904.380	6.6500	4.7481	97.7390	4.34	0.003655
1	1	31	2011	3	27	6.3969	174.189	6.6500	4.7481	27.2301	6.19	0.007008
1	1	31	2011	3	28	0.4854	21.345	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	32	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	32	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	32	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	32	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	32	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524

1	1	32	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	32	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	32	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	32	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	32	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	32	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	32	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	32	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	32	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	32	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	32	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	32	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	32	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	32	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	32	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	32	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	32	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	32	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2011	1	1	0.3613	10.842	7.2800	5.3799	30.0117	24.09	0.281246
1	1	32	2011	1	2	0.2130	8.562	8.0600	5.7548	40.1957	18.52	0.101405
1	1	32	2011	1	3	0.2458	9.880	8.0600	5.7548	40.1957	18.52	0.337320
1	1	32	2011	1	4	0.5753	21.755	8.0600	5.7548	37.8166	14.25	0.103547
1	1	32	2011	1	5	0.6343	23.988	8.0600	5.7548	37.8166	14.25	0.047578
1	1	32	2011	1	6	0.3302	12.473	6.8800	4.9123	37.7707	10.10	0.027524
1	1	32	2011	1	7	0.3304	12.481	6.8800	4.9123	37.7707	9.36	0.000969
1	1	32	2011	1	8	0.3020	11.022	6.8800	4.9123	36.4932	9.33	0.000281
1	1	32	2011	1	9	0.3298	12.034	6.8800	4.9123	36.4931	8.00	0.000959
1	1	32	2011	1	10	0.3285	11.989	6.8800	4.9123	36.4932	8.12	0.001996
1	1	32	2011	1	11	0.3558	12.983	6.8800	4.9123	36.4932	7.44	0.000819
1	1	32	2011	1	12	0.3719	13.573	6.8800	4.9123	36.4932	7.05	0.000002
1	1	32	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2011	1	14	0.1258	3.774	7.2800	5.1979	30.0117	32.28	0.000028
1	1	32	2011	1	15	0.0916	4.424	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2011	1	16	0.1313	5.918	6.6500	4.7481	45.0549	12.93	0.008198
1	1	32	2011	1	17	0.1433	6.772	6.6500	4.7481	47.2522	11.65	0.002544
1	1	32	2011	1	18	0.1872	10.608	6.6500	4.7481	56.6821	10.18	0.002699
1	1	32	2011	1	19	0.2075	11.762	6.6500	4.7481	56.6821	9.86	0.001293
1	1	32	2011	1	20	0.2454	15.892	6.6500	4.7481	64.7605	8.70	0.006032
1	1	32	2011	1	21	0.3004	19.456	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2011	1	22	0.3142	40.913	6.6500	4.7481	130.2221	6.58	0.010278
1	1	32	2011	1	23	0.3699	73.179	6.6500	4.7481	197.8148	6.28	0.036527
1	1	32	2011	1	24	1.9078	16.373	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2011	1	25	0.5732	15.609	6.8800	4.9123	27.2301	6.43	0.000303

1	1	32	2011	1	26	0.2870	28.052	6.6500	4.7481	97.7390	4.34	0.003655
1	1	32	2011	1	27	0.4442	12.094	6.6500	4.7481	27.2301	6.19	0.007008
1	1	32	2011	1	28	0.3196	14.053	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2011	2	1	11.5553	346.795	7.2800	5.3799	30.0117	24.09	0.281246
1	1	32	2011	2	2	9.3834	377.171	8.0600	5.7548	40.1957	18.52	0.101405
1	1	32	2011	2	3	9.9388	399.496	8.0600	5.7548	40.1957	18.52	0.337320
1	1	32	2011	2	4	14.3871	544.072	8.0600	5.7548	37.8166	14.25	0.103547
1	1	32	2011	2	5	14.6620	554.468	8.0600	5.7548	37.8166	14.25	0.047578
1	1	32	2011	2	6	5.3879	203.506	6.8800	4.9123	37.7707	10.10	0.027524
1	1	32	2011	2	7	5.9796	225.855	6.8800	4.9123	37.7707	9.36	0.000969
1	1	32	2011	2	8	5.7807	210.956	6.8800	4.9123	36.4932	9.33	0.000281
1	1	32	2011	2	9	6.7368	245.847	6.8800	4.9123	36.4931	8.00	0.000959
1	1	32	2011	2	10	6.6748	243.585	6.8800	4.9123	36.4932	8.12	0.001996
1	1	32	2011	2	11	7.9119	288.730	6.8800	4.9123	36.4932	7.44	0.000819
1	1	32	2011	2	12	8.4326	307.733	6.8800	4.9123	36.4932	7.05	0.000002
1	1	32	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2011	2	14	0.7017	21.060	7.2800	5.1979	30.0117	32.28	0.000028
1	1	32	2011	2	15	0.3017	14.567	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2011	2	16	0.4248	19.137	6.6500	4.7481	45.0549	12.93	0.008198
1	1	32	2011	2	17	0.4510	21.312	6.6500	4.7481	47.2522	11.65	0.002544
1	1	32	2011	2	18	0.6376	36.138	6.6500	4.7481	56.6821	10.18	0.002699
1	1	32	2011	2	19	0.6877	38.982	6.6500	4.7481	56.6821	9.86	0.001293
1	1	32	2011	2	20	0.6599	42.735	6.6500	4.7481	64.7605	8.70	0.006032
1	1	32	2011	2	21	0.8124	52.611	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2011	2	22	1.0612	138.187	6.6500	4.7481	130.2221	6.58	0.010278
1	1	32	2011	2	23	1.3376	264.605	6.6500	4.7481	197.8148	6.28	0.036527
1	1	32	2011	2	24	10.2939	88.344	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2011	2	25	9.6055	261.559	6.8800	4.9123	27.2301	6.43	0.000303
1	1	32	2011	2	26	2.0791	203.205	6.6500	4.7481	97.7390	4.34	0.003655
1	1	32	2011	2	27	1.2576	34.246	6.6500	4.7481	27.2301	6.19	0.007008
1	1	32	2011	2	28	0.5223	22.966	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2011	3	1	0.4594	13.788	7.2800	5.3799	30.0117	24.09	0.281246
1	1	32	2011	3	2	0.3195	12.843	8.0600	5.7548	40.1957	18.52	0.101405
1	1	32	2011	3	3	0.5020	20.178	8.0600	5.7548	40.1957	18.52	0.337320
1	1	32	2011	3	4	0.9818	37.130	8.0600	5.7548	37.8166	14.25	0.103547
1	1	32	2011	3	5	1.3756	52.021	8.0600	5.7548	37.8166	14.25	0.047578
1	1	32	2011	3	6	1.8922	71.469	6.8800	4.9123	37.7707	10.10	0.027524
1	1	32	2011	3	7	2.0005	75.559	6.8800	4.9123	37.7707	9.36	0.000969
1	1	32	2011	3	8	1.7661	64.449	6.8800	4.9123	36.4932	9.33	0.000281
1	1	32	2011	3	9	2.0493	74.785	6.8800	4.9123	36.4931	8.00	0.000959
1	1	32	2011	3	10	2.0361	74.305	6.8800	4.9123	36.4932	8.12	0.001996
1	1	32	2011	3	11	2.2455	81.946	6.8800	4.9123	36.4932	7.44	0.000819
1	1	32	2011	3	12	2.3974	87.489	6.8800	4.9123	36.4932	7.05	0.000002
1	1	32	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2011	3	14	0.2183	6.551	7.2800	5.1979	30.0117	32.28	0.000028
1	1	32	2011	3	15	0.1398	6.750	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2011	3	16	1.7475	78.736	6.6500	4.7481	45.0549	12.93	0.008198

1	1	32	2011	3	17	1.8404	86.962	6.6500	4.7481	47.2522	11.65	0.002544
1	1	32	2011	3	18	2.5428	144.134	6.6500	4.7481	56.6821	10.18	0.002699
1	1	32	2011	3	19	2.7492	155.831	6.6500	4.7481	56.6821	9.86	0.001293
1	1	32	2011	3	20	3.1580	204.511	6.6500	4.7481	64.7605	8.70	0.006032
1	1	32	2011	3	21	3.9016	252.668	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2011	3	22	4.4825	583.721	6.6500	4.7481	130.2221	6.58	0.010278
1	1	32	2011	3	23	5.4099	1070.156	6.6500	4.7481	197.8148	6.28	0.036527
1	1	32	2011	3	24	1.9544	16.773	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2011	3	25	3.9525	107.628	6.8800	4.9123	27.2301	6.43	0.000303
1	1	32	2011	3	26	9.2374	902.854	6.6500	4.7481	97.7390	4.34	0.003655
1	1	32	2011	3	27	6.3861	173.895	6.6500	4.7481	27.2301	6.19	0.007008
1	1	32	2011	3	28	0.4846	21.312	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	33	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	33	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	33	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	33	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	33	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	33	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	33	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	33	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	33	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	33	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	33	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	33	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	33	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	33	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	33	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	33	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	33	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	33	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	33	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	33	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	33	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	33	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	33	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2011	1	1	0.3598	10.799	7.2800	5.3799	30.0117	24.09	0.281246
1	1	33	2011	1	2	0.2126	8.547	8.0600	5.7548	40.1957	18.52	0.101405
1	1	33	2011	1	3	0.2455	9.868	8.0600	5.7548	40.1957	18.52	0.337320
1	1	33	2011	1	4	0.5728	21.661	8.0600	5.7548	37.8166	14.25	0.103547
1	1	33	2011	1	5	0.6317	23.890	8.0600	5.7548	37.8166	14.25	0.047578
1	1	33	2011	1	6	0.3216	12.148	6.8800	4.9123	37.7707	10.10	0.027524
1	1	33	2011	1	7	0.3218	12.155	6.8800	4.9123	37.7707	9.36	0.000969

1	1	33	2011	1	8	0.2944	10.744	6.8800	4.9123	36.4932	9.33	0.000281
1	1	33	2011	1	9	0.3212	11.721	6.8800	4.9123	36.4931	8.00	0.000959
1	1	33	2011	1	10	0.3200	11.677	6.8800	4.9123	36.4932	8.12	0.001996
1	1	33	2011	1	11	0.3463	12.636	6.8800	4.9123	36.4932	7.44	0.000819
1	1	33	2011	1	12	0.3618	13.204	6.8800	4.9123	36.4932	7.05	0.000002
1	1	33	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2011	1	14	0.1239	3.720	7.2800	5.1979	30.0117	32.28	0.000028
1	1	33	2011	1	15	0.0902	4.354	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2011	1	16	0.1283	5.781	6.6500	4.7481	45.0549	12.93	0.008198
1	1	33	2011	1	17	0.1400	6.615	6.6500	4.7481	47.2522	11.65	0.002544
1	1	33	2011	1	18	0.1828	10.363	6.6500	4.7481	56.6821	10.18	0.002699
1	1	33	2011	1	19	0.2027	11.490	6.6500	4.7481	56.6821	9.86	0.001293
1	1	33	2011	1	20	0.2397	15.524	6.6500	4.7481	64.7605	8.70	0.006032
1	1	33	2011	1	21	0.2935	19.005	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2011	1	22	0.3069	39.966	6.6500	4.7481	130.2221	6.58	0.010278
1	1	33	2011	1	23	0.3614	71.485	6.6500	4.7481	197.8148	6.28	0.036527
1	1	33	2011	1	24	1.8861	16.187	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2011	1	25	0.5572	15.172	6.8800	4.9123	27.2301	6.43	0.000303
1	1	33	2011	1	26	0.2804	27.403	6.6500	4.7481	97.7390	4.34	0.003655
1	1	33	2011	1	27	0.4339	11.814	6.6500	4.7481	27.2301	6.19	0.007008
1	1	33	2011	1	28	0.3146	13.836	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2011	2	1	11.6262	348.923	7.2800	5.3799	30.0117	24.09	0.281246
1	1	33	2011	2	2	9.4477	379.755	8.0600	5.7548	40.1957	18.52	0.101405
1	1	33	2011	2	3	10.0081	402.283	8.0600	5.7548	40.1957	18.52	0.337320
1	1	33	2011	2	4	14.4911	548.003	8.0600	5.7548	37.8166	14.25	0.103547
1	1	33	2011	2	5	14.7673	558.449	8.0600	5.7548	37.8166	14.25	0.047578
1	1	33	2011	2	6	5.2987	200.134	6.8800	4.9123	37.7707	10.10	0.027524
1	1	33	2011	2	7	5.8805	222.112	6.8800	4.9123	37.7707	9.36	0.000969
1	1	33	2011	2	8	5.6849	207.460	6.8800	4.9123	36.4932	9.33	0.000281
1	1	33	2011	2	9	6.6252	241.773	6.8800	4.9123	36.4931	8.00	0.000959
1	1	33	2011	2	10	6.5642	239.548	6.8800	4.9123	36.4932	8.12	0.001996
1	1	33	2011	2	11	7.7808	283.945	6.8800	4.9123	36.4932	7.44	0.000819
1	1	33	2011	2	12	8.2929	302.633	6.8800	4.9123	36.4932	7.05	0.000002
1	1	33	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2011	2	14	0.6936	20.817	7.2800	5.1979	30.0117	32.28	0.000028
1	1	33	2011	2	15	0.2978	14.381	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2011	2	16	0.4159	18.737	6.6500	4.7481	45.0549	12.93	0.008198
1	1	33	2011	2	17	0.4416	20.866	6.6500	4.7481	47.2522	11.65	0.002544
1	1	33	2011	2	18	0.6242	35.383	6.6500	4.7481	56.6821	10.18	0.002699
1	1	33	2011	2	19	0.6734	38.167	6.6500	4.7481	56.6821	9.86	0.001293
1	1	33	2011	2	20	0.6461	41.842	6.6500	4.7481	64.7605	8.70	0.006032
1	1	33	2011	2	21	0.7954	51.512	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2011	2	22	1.0390	135.299	6.6500	4.7481	130.2221	6.58	0.010278
1	1	33	2011	2	23	1.3097	259.076	6.6500	4.7481	197.8148	6.28	0.036527
1	1	33	2011	2	24	10.1079	86.748	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2011	2	25	9.4463	257.225	6.8800	4.9123	27.2301	6.43	0.000303
1	1	33	2011	2	26	2.0356	198.959	6.6500	4.7481	97.7390	4.34	0.003655

1	1	33	2011	2	27	1.2314	33.530	6.6500	4.7481	27.2301	6.19	0.007008
1	1	33	2011	2	28	0.5160	22.691	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2011	3	1	0.4616	13.854	7.2800	5.3799	30.0117	24.09	0.281246
1	1	33	2011	3	2	0.3214	12.917	8.0600	5.7548	40.1957	18.52	0.101405
1	1	33	2011	3	3	0.5040	20.258	8.0600	5.7548	40.1957	18.52	0.337320
1	1	33	2011	3	4	0.9845	37.232	8.0600	5.7548	37.8166	14.25	0.103547
1	1	33	2011	3	5	1.3781	52.113	8.0600	5.7548	37.8166	14.25	0.047578
1	1	33	2011	3	6	1.9085	72.086	6.8800	4.9123	37.7707	10.10	0.027524
1	1	33	2011	3	7	2.0178	76.212	6.8800	4.9123	37.7707	9.36	0.000969
1	1	33	2011	3	8	1.7813	65.006	6.8800	4.9123	36.4932	9.33	0.000281
1	1	33	2011	3	9	2.0670	75.431	6.8800	4.9123	36.4931	8.00	0.000959
1	1	33	2011	3	10	2.0537	74.947	6.8800	4.9123	36.4932	8.12	0.001996
1	1	33	2011	3	11	2.2649	82.653	6.8800	4.9123	36.4932	7.44	0.000819
1	1	33	2011	3	12	2.4181	88.245	6.8800	4.9123	36.4932	7.05	0.000002
1	1	33	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2011	3	14	0.2195	6.588	7.2800	5.1979	30.0117	32.28	0.000028
1	1	33	2011	3	15	0.1406	6.788	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2011	3	16	1.7579	79.201	6.6500	4.7481	45.0549	12.93	0.008198
1	1	33	2011	3	17	1.8513	87.476	6.6500	4.7481	47.2522	11.65	0.002544
1	1	33	2011	3	18	2.5579	144.986	6.6500	4.7481	56.6821	10.18	0.002699
1	1	33	2011	3	19	2.7655	156.752	6.6500	4.7481	56.6821	9.86	0.001293
1	1	33	2011	3	20	3.1770	205.742	6.6500	4.7481	64.7605	8.70	0.006032
1	1	33	2011	3	21	3.9251	254.190	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2011	3	22	4.5084	587.091	6.6500	4.7481	130.2221	6.58	0.010278
1	1	33	2011	3	23	5.4405	1076.204	6.6500	4.7481	197.8148	6.28	0.036527
1	1	33	2011	3	24	1.9653	16.866	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2011	3	25	3.9867	108.558	6.8800	4.9123	27.2301	6.43	0.000303
1	1	33	2011	3	26	9.2937	908.353	6.6500	4.7481	97.7390	4.34	0.003655
1	1	33	2011	3	27	6.4250	174.954	6.6500	4.7481	27.2301	6.19	0.007008
1	1	33	2011	3	28	0.4874	21.433	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	34	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	34	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	34	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	34	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	34	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	34	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	34	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	34	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	34	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	34	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	34	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	34	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	34	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	34	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544

1	1	34	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	34	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	34	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	34	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	34	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	34	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	34	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	34	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	34	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2011	1	1	0.3585	10.758	7.2800	5.3799	30.0117	24.09	0.281246
1	1	34	2011	1	2	0.2123	8.533	8.0600	5.7548	40.1957	18.52	0.101405
1	1	34	2011	1	3	0.2452	9.857	8.0600	5.7548	40.1957	18.52	0.337320
1	1	34	2011	1	4	0.5704	21.572	8.0600	5.7548	37.8166	14.25	0.103547
1	1	34	2011	1	5	0.6293	23.797	8.0600	5.7548	37.8166	14.25	0.047578
1	1	34	2011	1	6	0.3135	11.840	6.8800	4.9123	37.7707	10.10	0.027524
1	1	34	2011	1	7	0.3137	11.848	6.8800	4.9123	37.7707	9.36	0.000969
1	1	34	2011	1	8	0.2872	10.481	6.8800	4.9123	36.4932	9.33	0.000281
1	1	34	2011	1	9	0.3130	11.424	6.8800	4.9123	36.4931	8.00	0.000959
1	1	34	2011	1	10	0.3119	11.382	6.8800	4.9123	36.4932	8.12	0.001996
1	1	34	2011	1	11	0.3372	12.307	6.8800	4.9123	36.4932	7.44	0.000819
1	1	34	2011	1	12	0.3523	12.856	6.8800	4.9123	36.4932	7.05	0.000002
1	1	34	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2011	1	14	0.1222	3.668	7.2800	5.1979	30.0117	32.28	0.000028
1	1	34	2011	1	15	0.0888	4.289	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2011	1	16	0.1254	5.651	6.6500	4.7481	45.0549	12.93	0.008198
1	1	34	2011	1	17	0.1369	6.467	6.6500	4.7481	47.2522	11.65	0.002544
1	1	34	2011	1	18	0.1787	10.130	6.6500	4.7481	56.6821	10.18	0.002699
1	1	34	2011	1	19	0.1982	11.232	6.6500	4.7481	56.6821	9.86	0.001293
1	1	34	2011	1	20	0.2343	15.176	6.6500	4.7481	64.7605	8.70	0.006032
1	1	34	2011	1	21	0.2869	18.579	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2011	1	22	0.3000	39.070	6.6500	4.7481	130.2221	6.58	0.010278
1	1	34	2011	1	23	0.3533	69.883	6.6500	4.7481	197.8148	6.28	0.036527
1	1	34	2011	1	24	1.8656	16.011	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2011	1	25	0.5420	14.760	6.8800	4.9123	27.2301	6.43	0.000303
1	1	34	2011	1	26	0.2741	26.788	6.6500	4.7481	97.7390	4.34	0.003655
1	1	34	2011	1	27	0.4242	11.550	6.6500	4.7481	27.2301	6.19	0.007008
1	1	34	2011	1	28	0.3100	13.630	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2011	2	1	11.6933	350.935	7.2800	5.3799	30.0117	24.09	0.281246
1	1	34	2011	2	2	9.5084	382.199	8.0600	5.7548	40.1957	18.52	0.101405
1	1	34	2011	2	3	10.0737	404.921	8.0600	5.7548	40.1957	18.52	0.337320
1	1	34	2011	2	4	14.5894	551.721	8.0600	5.7548	37.8166	14.25	0.103547
1	1	34	2011	2	5	14.8669	562.215	8.0600	5.7548	37.8166	14.25	0.047578
1	1	34	2011	2	6	5.2142	196.944	6.8800	4.9123	37.7707	10.10	0.027524
1	1	34	2011	2	7	5.7868	218.572	6.8800	4.9123	37.7707	9.36	0.000969
1	1	34	2011	2	8	5.5943	204.153	6.8800	4.9123	36.4932	9.33	0.000281

1	1	34	2011	2	9	6.5196	237.919	6.8800	4.9123	36.4931	8.00	0.000959
1	1	34	2011	2	10	6.4596	235.730	6.8800	4.9123	36.4932	8.12	0.001996
1	1	34	2011	2	11	7.6567	279.419	6.8800	4.9123	36.4932	7.44	0.000819
1	1	34	2011	2	12	8.1607	297.809	6.8800	4.9123	36.4932	7.05	0.000002
1	1	34	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2011	2	14	0.6860	20.588	7.2800	5.1979	30.0117	32.28	0.000028
1	1	34	2011	2	15	0.2942	14.206	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2011	2	16	0.4075	18.359	6.6500	4.7481	45.0549	12.93	0.008198
1	1	34	2011	2	17	0.4327	20.445	6.6500	4.7481	47.2522	11.65	0.002544
1	1	34	2011	2	18	0.6116	34.669	6.6500	4.7481	56.6821	10.18	0.002699
1	1	34	2011	2	19	0.6598	37.397	6.6500	4.7481	56.6821	9.86	0.001293
1	1	34	2011	2	20	0.6331	40.998	6.6500	4.7481	64.7605	8.70	0.006032
1	1	34	2011	2	21	0.7794	50.472	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2011	2	22	1.0180	132.568	6.6500	4.7481	130.2221	6.58	0.010278
1	1	34	2011	2	23	1.2832	253.846	6.6500	4.7481	197.8148	6.28	0.036527
1	1	34	2011	2	24	9.9320	85.238	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2011	2	25	9.2958	253.125	6.8800	4.9123	27.2301	6.43	0.000303
1	1	34	2011	2	26	1.9945	194.942	6.6500	4.7481	97.7390	4.34	0.003655
1	1	34	2011	2	27	1.2065	32.853	6.6500	4.7481	27.2301	6.19	0.007008
1	1	34	2011	2	28	0.5101	22.431	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2011	3	1	0.4637	13.915	7.2800	5.3799	30.0117	24.09	0.281246
1	1	34	2011	3	2	0.3231	12.987	8.0600	5.7548	40.1957	18.52	0.101405
1	1	34	2011	3	3	0.5059	20.335	8.0600	5.7548	40.1957	18.52	0.337320
1	1	34	2011	3	4	0.9871	37.328	8.0600	5.7548	37.8166	14.25	0.103547
1	1	34	2011	3	5	1.3804	52.201	8.0600	5.7548	37.8166	14.25	0.047578
1	1	34	2011	3	6	1.9240	72.670	6.8800	4.9123	37.7707	10.10	0.027524
1	1	34	2011	3	7	2.0341	76.829	6.8800	4.9123	37.7707	9.36	0.000969
1	1	34	2011	3	8	1.7957	65.532	6.8800	4.9123	36.4932	9.33	0.000281
1	1	34	2011	3	9	2.0837	76.042	6.8800	4.9123	36.4931	8.00	0.000959
1	1	34	2011	3	10	2.0704	75.554	6.8800	4.9123	36.4932	8.12	0.001996
1	1	34	2011	3	11	2.2833	83.323	6.8800	4.9123	36.4932	7.44	0.000819
1	1	34	2011	3	12	2.4377	88.960	6.8800	4.9123	36.4932	7.05	0.000002
1	1	34	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2011	3	14	0.2207	6.623	7.2800	5.1979	30.0117	32.28	0.000028
1	1	34	2011	3	15	0.1413	6.824	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2011	3	16	1.7676	79.641	6.6500	4.7481	45.0549	12.93	0.008198
1	1	34	2011	3	17	1.8615	87.962	6.6500	4.7481	47.2522	11.65	0.002544
1	1	34	2011	3	18	2.5721	145.792	6.6500	4.7481	56.6821	10.18	0.002699
1	1	34	2011	3	19	2.7808	157.623	6.6500	4.7481	56.6821	9.86	0.001293
1	1	34	2011	3	20	3.1950	206.908	6.6500	4.7481	64.7605	8.70	0.006032
1	1	34	2011	3	21	3.9473	255.630	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2011	3	22	4.5329	590.278	6.6500	4.7481	130.2221	6.58	0.010278
1	1	34	2011	3	23	5.4694	1081.925	6.6500	4.7481	197.8148	6.28	0.036527
1	1	34	2011	3	24	1.9755	16.954	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2011	3	25	4.0190	109.437	6.8800	4.9123	27.2301	6.43	0.000303
1	1	34	2011	3	26	9.3469	913.555	6.6500	4.7481	97.7390	4.34	0.003655
1	1	34	2011	3	27	6.4618	175.955	6.6500	4.7481	27.2301	6.19	0.007008

1	1	34	2011	3	28	0.4900	21.547	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	35	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	35	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	35	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	35	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	35	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	35	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	35	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	35	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	35	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	35	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	35	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	35	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	35	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	35	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	35	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	35	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	35	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	35	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	35	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	35	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	35	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	35	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	35	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2011	1	1	0.3572	10.720	7.2800	5.3799	30.0117	24.09	0.281246
1	1	35	2011	1	2	0.2120	8.520	8.0600	5.7548	40.1957	18.52	0.101405
1	1	35	2011	1	3	0.2450	9.846	8.0600	5.7548	40.1957	18.52	0.337320
1	1	35	2011	1	4	0.5682	21.488	8.0600	5.7548	37.8166	14.25	0.103547
1	1	35	2011	1	5	0.6269	23.709	8.0600	5.7548	37.8166	14.25	0.047578
1	1	35	2011	1	6	0.3058	11.549	6.8800	4.9123	37.7707	10.10	0.027524
1	1	35	2011	1	7	0.3060	11.556	6.8800	4.9123	37.7707	9.36	0.000969
1	1	35	2011	1	8	0.2804	10.232	6.8800	4.9123	36.4932	9.33	0.000281
1	1	35	2011	1	9	0.3053	11.142	6.8800	4.9123	36.4931	8.00	0.000959
1	1	35	2011	1	10	0.3042	11.102	6.8800	4.9123	36.4932	8.12	0.001996
1	1	35	2011	1	11	0.3287	11.996	6.8800	4.9123	36.4932	7.44	0.000819
1	1	35	2011	1	12	0.3432	12.526	6.8800	4.9123	36.4932	7.05	0.000002
1	1	35	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2011	1	14	0.1206	3.619	7.2800	5.1979	30.0117	32.28	0.000028
1	1	35	2011	1	15	0.0875	4.226	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2011	1	16	0.1227	5.529	6.6500	4.7481	45.0549	12.93	0.008198
1	1	35	2011	1	17	0.1339	6.326	6.6500	4.7481	47.2522	11.65	0.002544
1	1	35	2011	1	18	0.1748	9.910	6.6500	4.7481	56.6821	10.18	0.002699

1	1	35	2011	1	19	0.1939	10.988	6.6500	4.7481	56.6821	9.86	0.001293
1	1	35	2011	1	20	0.2293	14.847	6.6500	4.7481	64.7605	8.70	0.006032
1	1	35	2011	1	21	0.2807	18.176	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2011	1	22	0.2935	38.221	6.6500	4.7481	130.2221	6.58	0.010278
1	1	35	2011	1	23	0.3456	68.365	6.6500	4.7481	197.8148	6.28	0.036527
1	1	35	2011	1	24	1.8462	15.845	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2011	1	25	0.5277	14.369	6.8800	4.9123	27.2301	6.43	0.000303
1	1	35	2011	1	26	0.2681	26.207	6.6500	4.7481	97.7390	4.34	0.003655
1	1	35	2011	1	27	0.4149	11.299	6.6500	4.7481	27.2301	6.19	0.007008
1	1	35	2011	1	28	0.3055	13.436	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2011	2	1	11.7568	352.841	7.2800	5.3799	30.0117	24.09	0.281246
1	1	35	2011	2	2	9.5660	384.514	8.0600	5.7548	40.1957	18.52	0.101405
1	1	35	2011	2	3	10.1359	407.419	8.0600	5.7548	40.1957	18.52	0.337320
1	1	35	2011	2	4	14.6825	555.244	8.0600	5.7548	37.8166	14.25	0.103547
1	1	35	2011	2	5	14.9612	565.783	8.0600	5.7548	37.8166	14.25	0.047578
1	1	35	2011	2	6	5.1342	193.921	6.8800	4.9123	37.7707	10.10	0.027524
1	1	35	2011	2	7	5.6980	215.218	6.8800	4.9123	37.7707	9.36	0.000969
1	1	35	2011	2	8	5.5084	201.020	6.8800	4.9123	36.4932	9.33	0.000281
1	1	35	2011	2	9	6.4195	234.268	6.8800	4.9123	36.4931	8.00	0.000959
1	1	35	2011	2	10	6.3604	232.112	6.8800	4.9123	36.4932	8.12	0.001996
1	1	35	2011	2	11	7.5392	275.131	6.8800	4.9123	36.4932	7.44	0.000819
1	1	35	2011	2	12	8.0355	293.239	6.8800	4.9123	36.4932	7.05	0.000002
1	1	35	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2011	2	14	0.6788	20.371	7.2800	5.1979	30.0117	32.28	0.000028
1	1	35	2011	2	15	0.2908	14.039	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2011	2	16	0.3995	18.001	6.6500	4.7481	45.0549	12.93	0.008198
1	1	35	2011	2	17	0.4242	20.046	6.6500	4.7481	47.2522	11.65	0.002544
1	1	35	2011	2	18	0.5997	33.992	6.6500	4.7481	56.6821	10.18	0.002699
1	1	35	2011	2	19	0.6469	36.667	6.6500	4.7481	56.6821	9.86	0.001293
1	1	35	2011	2	20	0.6207	40.197	6.6500	4.7481	64.7605	8.70	0.006032
1	1	35	2011	2	21	0.7641	49.486	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2011	2	22	0.9981	129.980	6.6500	4.7481	130.2221	6.58	0.010278
1	1	35	2011	2	23	1.2582	248.891	6.6500	4.7481	197.8148	6.28	0.036527
1	1	35	2011	2	24	9.7653	83.808	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2011	2	25	9.1531	249.240	6.8800	4.9123	27.2301	6.43	0.000303
1	1	35	2011	2	26	1.9556	191.137	6.6500	4.7481	97.7390	4.34	0.003655
1	1	35	2011	2	27	1.1829	32.212	6.6500	4.7481	27.2301	6.19	0.007008
1	1	35	2011	2	28	0.5045	22.185	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2011	3	1	0.4656	13.974	7.2800	5.3799	30.0117	24.09	0.281246
1	1	35	2011	3	2	0.3248	13.054	8.0600	5.7548	40.1957	18.52	0.101405
1	1	35	2011	3	3	0.5077	20.407	8.0600	5.7548	40.1957	18.52	0.337320
1	1	35	2011	3	4	0.9895	37.420	8.0600	5.7548	37.8166	14.25	0.103547
1	1	35	2011	3	5	1.3826	52.284	8.0600	5.7548	37.8166	14.25	0.047578
1	1	35	2011	3	6	1.9386	73.223	6.8800	4.9123	37.7707	10.10	0.027524
1	1	35	2011	3	7	2.0496	77.414	6.8800	4.9123	37.7707	9.36	0.000969
1	1	35	2011	3	8	1.8094	66.031	6.8800	4.9123	36.4932	9.33	0.000281
1	1	35	2011	3	9	2.0996	76.620	6.8800	4.9123	36.4931	8.00	0.000959

1	1	35	2011	3	10	2.0861	76.129	6.8800	4.9123	36.4932	8.12	0.001996
1	1	35	2011	3	11	2.3006	83.957	6.8800	4.9123	36.4932	7.44	0.000819
1	1	35	2011	3	12	2.4563	89.637	6.8800	4.9123	36.4932	7.05	0.000002
1	1	35	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2011	3	14	0.2218	6.656	7.2800	5.1979	30.0117	32.28	0.000028
1	1	35	2011	3	15	0.1420	6.859	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2011	3	16	1.7769	80.058	6.6500	4.7481	45.0549	12.93	0.008198
1	1	35	2011	3	17	1.8713	88.423	6.6500	4.7481	47.2522	11.65	0.002544
1	1	35	2011	3	18	2.5856	146.555	6.6500	4.7481	56.6821	10.18	0.002699
1	1	35	2011	3	19	2.7954	158.449	6.6500	4.7481	56.6821	9.86	0.001293
1	1	35	2011	3	20	3.2120	208.012	6.6500	4.7481	64.7605	8.70	0.006032
1	1	35	2011	3	21	3.9684	256.993	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2011	3	22	4.5560	593.298	6.6500	4.7481	130.2221	6.58	0.010278
1	1	35	2011	3	23	5.4968	1087.345	6.6500	4.7481	197.8148	6.28	0.036527
1	1	35	2011	3	24	1.9852	17.037	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2011	3	25	4.0496	110.271	6.8800	4.9123	27.2301	6.43	0.000303
1	1	35	2011	3	26	9.3973	918.483	6.6500	4.7481	97.7390	4.34	0.003655
1	1	35	2011	3	27	6.4966	176.903	6.6500	4.7481	27.2301	6.19	0.007008
1	1	35	2011	3	28	0.4925	21.655	8.0600	5.7548	43.9743	17.00	0.002242
1	1	36	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	36	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	36	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	36	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	36	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	36	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	36	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	36	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	36	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	36	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	36	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	36	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	36	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	36	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	36	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	36	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	36	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	36	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	36	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	36	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	36	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	36	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	36	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	36	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242

1	1	36	2011	1	1	0.3560	10.684	7.2800	5.3799	30.0117	24.09	0.281246
1	1	36	2011	1	2	0.2117	8.508	8.0600	5.7548	40.1957	18.52	0.101405
1	1	36	2011	1	3	0.2447	9.837	8.0600	5.7548	40.1957	18.52	0.337320
1	1	36	2011	1	4	0.5661	21.409	8.0600	5.7548	37.8166	14.25	0.103547
1	1	36	2011	1	5	0.6247	23.625	8.0600	5.7548	37.8166	14.25	0.047578
1	1	36	2011	1	6	0.2985	11.273	6.8800	4.9123	37.7707	10.10	0.027524
1	1	36	2011	1	7	0.2986	11.280	6.8800	4.9123	37.7707	9.36	0.000969
1	1	36	2011	1	8	0.2739	9.996	6.8800	4.9123	36.4932	9.33	0.000281
1	1	36	2011	1	9	0.2980	10.875	6.8800	4.9123	36.4931	8.00	0.000959
1	1	36	2011	1	10	0.2969	10.836	6.8800	4.9123	36.4932	8.12	0.001996
1	1	36	2011	1	11	0.3206	11.700	6.8800	4.9123	36.4932	7.44	0.000819
1	1	36	2011	1	12	0.3347	12.213	6.8800	4.9123	36.4932	7.05	0.000002
1	1	36	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2011	1	14	0.1190	3.572	7.2800	5.1979	30.0117	32.28	0.000028
1	1	36	2011	1	15	0.0863	4.167	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2011	1	16	0.1201	5.412	6.6500	4.7481	45.0549	12.93	0.008198
1	1	36	2011	1	17	0.1311	6.193	6.6500	4.7481	47.2522	11.65	0.002544
1	1	36	2011	1	18	0.1712	9.702	6.6500	4.7481	56.6821	10.18	0.002699
1	1	36	2011	1	19	0.1898	10.757	6.6500	4.7481	56.6821	9.86	0.001293
1	1	36	2011	1	20	0.2244	14.534	6.6500	4.7481	64.7605	8.70	0.006032
1	1	36	2011	1	21	0.2747	17.793	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2011	1	22	0.2873	37.416	6.6500	4.7481	130.2221	6.58	0.010278
1	1	36	2011	1	23	0.3383	66.924	6.6500	4.7481	197.8148	6.28	0.036527
1	1	36	2011	1	24	1.8278	15.687	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2011	1	25	0.5141	13.998	6.8800	4.9123	27.2301	6.43	0.000303
1	1	36	2011	1	26	0.2625	25.654	6.6500	4.7481	97.7390	4.34	0.003655
1	1	36	2011	1	27	0.4062	11.061	6.6500	4.7481	27.2301	6.19	0.007008
1	1	36	2011	1	28	0.3013	13.251	8.0600	5.7548	43.9743	17.00	0.002242
1	1	36	2011	2	1	11.8170	354.650	7.2800	5.3799	30.0117	24.09	0.281246
1	1	36	2011	2	2	9.6207	386.710	8.0600	5.7548	40.1957	18.52	0.101405
1	1	36	2011	2	3	10.1949	409.789	8.0600	5.7548	40.1957	18.52	0.337320
1	1	36	2011	2	4	14.7709	558.586	8.0600	5.7548	37.8166	14.25	0.103547
1	1	36	2011	2	5	15.0507	569.168	8.0600	5.7548	37.8166	14.25	0.047578
1	1	36	2011	2	6	5.0583	191.054	6.8800	4.9123	37.7707	10.10	0.027524
1	1	36	2011	2	7	5.6138	212.035	6.8800	4.9123	37.7707	9.36	0.000969
1	1	36	2011	2	8	5.4270	198.048	6.8800	4.9123	36.4932	9.33	0.000281
1	1	36	2011	2	9	6.3246	230.804	6.8800	4.9123	36.4931	8.00	0.000959
1	1	36	2011	2	10	6.2664	228.680	6.8800	4.9123	36.4932	8.12	0.001996
1	1	36	2011	2	11	7.4278	271.063	6.8800	4.9123	36.4932	7.44	0.000819
1	1	36	2011	2	12	7.9166	288.903	6.8800	4.9123	36.4932	7.05	0.000002
1	1	36	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2011	2	14	0.6719	20.165	7.2800	5.1979	30.0117	32.28	0.000028
1	1	36	2011	2	15	0.2875	13.882	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2011	2	16	0.3920	17.661	6.6500	4.7481	45.0549	12.93	0.008198
1	1	36	2011	2	17	0.4162	19.668	6.6500	4.7481	47.2522	11.65	0.002544
1	1	36	2011	2	18	0.5884	33.350	6.6500	4.7481	56.6821	10.18	0.002699
1	1	36	2011	2	19	0.6347	35.974	6.6500	4.7481	56.6821	9.86	0.001293

1	1	36	2011	2	20	0.6090	39.438	6.6500	4.7481	64.7605	8.70	0.006032
1	1	36	2011	2	21	0.7497	48.552	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2011	2	22	0.9793	127.525	6.6500	4.7481	130.2221	6.58	0.010278
1	1	36	2011	2	23	1.2344	244.190	6.6500	4.7481	197.8148	6.28	0.036527
1	1	36	2011	2	24	9.6072	82.451	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2011	2	25	9.0178	245.555	6.8800	4.9123	27.2301	6.43	0.000303
1	1	36	2011	2	26	1.9187	187.527	6.6500	4.7481	97.7390	4.34	0.003655
1	1	36	2011	2	27	1.1606	31.603	6.6500	4.7481	27.2301	6.19	0.007008
1	1	36	2011	2	28	0.4992	21.951	8.0600	5.7548	43.9743	17.00	0.002242
1	1	36	2011	3	1	0.4675	14.030	7.2800	5.3799	30.0117	24.09	0.281246
1	1	36	2011	3	2	0.3263	13.117	8.0600	5.7548	40.1957	18.52	0.101405
1	1	36	2011	3	3	0.5094	20.476	8.0600	5.7548	40.1957	18.52	0.337320
1	1	36	2011	3	4	0.9918	37.506	8.0600	5.7548	37.8166	14.25	0.103547
1	1	36	2011	3	5	1.3847	52.363	8.0600	5.7548	37.8166	14.25	0.047578
1	1	36	2011	3	6	1.9525	73.748	6.8800	4.9123	37.7707	10.10	0.027524
1	1	36	2011	3	7	2.0643	77.969	6.8800	4.9123	37.7707	9.36	0.000969
1	1	36	2011	3	8	1.8224	66.505	6.8800	4.9123	36.4932	9.33	0.000281
1	1	36	2011	3	9	2.1146	77.170	6.8800	4.9123	36.4931	8.00	0.000959
1	1	36	2011	3	10	2.1011	76.675	6.8800	4.9123	36.4932	8.12	0.001996
1	1	36	2011	3	11	2.3171	84.559	6.8800	4.9123	36.4932	7.44	0.000819
1	1	36	2011	3	12	2.4739	90.280	6.8800	4.9123	36.4932	7.05	0.000002
1	1	36	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2011	3	14	0.2228	6.687	7.2800	5.1979	30.0117	32.28	0.000028
1	1	36	2011	3	15	0.1427	6.891	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2011	3	16	1.7857	80.454	6.6500	4.7481	45.0549	12.93	0.008198
1	1	36	2011	3	17	1.8805	88.860	6.6500	4.7481	47.2522	11.65	0.002544
1	1	36	2011	3	18	2.5983	147.279	6.6500	4.7481	56.6821	10.18	0.002699
1	1	36	2011	3	19	2.8092	159.232	6.6500	4.7481	56.6821	9.86	0.001293
1	1	36	2011	3	20	3.2282	209.059	6.6500	4.7481	64.7605	8.70	0.006032
1	1	36	2011	3	21	3.9884	258.288	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2011	3	22	4.5780	596.162	6.6500	4.7481	130.2221	6.58	0.010278
1	1	36	2011	3	23	5.5228	1092.487	6.6500	4.7481	197.8148	6.28	0.036527
1	1	36	2011	3	24	1.9944	17.116	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2011	3	25	4.0786	111.061	6.8800	4.9123	27.2301	6.43	0.000303
1	1	36	2011	3	26	9.4451	923.159	6.6500	4.7481	97.7390	4.34	0.003655
1	1	36	2011	3	27	6.5296	177.803	6.6500	4.7481	27.2301	6.19	0.007008
1	1	36	2011	3	28	0.4948	21.758	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	37	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	37	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	37	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	37	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	37	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	37	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	37	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	37	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	37	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996

1	1	37	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	37	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	37	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	37	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	37	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	37	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	37	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	37	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	37	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	37	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	37	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	37	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	37	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	37	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2011	1	1	0.3548	10.649	7.2800	5.3799	30.0117	24.09	0.281246
1	1	37	2011	1	2	0.2114	8.496	8.0600	5.7548	40.1957	18.52	0.101405
1	1	37	2011	1	3	0.2445	9.827	8.0600	5.7548	40.1957	18.52	0.337320
1	1	37	2011	1	4	0.5641	21.333	8.0600	5.7548	37.8166	14.25	0.103547
1	1	37	2011	1	5	0.6226	23.546	8.0600	5.7548	37.8166	14.25	0.047578
1	1	37	2011	1	6	0.2915	11.010	6.8800	4.9123	37.7707	10.10	0.027524
1	1	37	2011	1	7	0.2917	11.017	6.8800	4.9123	37.7707	9.36	0.000969
1	1	37	2011	1	8	0.2678	9.771	6.8800	4.9123	36.4932	9.33	0.000281
1	1	37	2011	1	9	0.2911	10.622	6.8800	4.9123	36.4931	8.00	0.000959
1	1	37	2011	1	10	0.2900	10.584	6.8800	4.9123	36.4932	8.12	0.001996
1	1	37	2011	1	11	0.3129	11.419	6.8800	4.9123	36.4932	7.44	0.000819
1	1	37	2011	1	12	0.3265	11.915	6.8800	4.9123	36.4932	7.05	0.000002
1	1	37	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2011	1	14	0.1176	3.528	7.2800	5.1979	30.0117	32.28	0.000028
1	1	37	2011	1	15	0.0852	4.111	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2011	1	16	0.1177	5.301	6.6500	4.7481	45.0549	12.93	0.008198
1	1	37	2011	1	17	0.1284	6.067	6.6500	4.7481	47.2522	11.65	0.002544
1	1	37	2011	1	18	0.1677	9.503	6.6500	4.7481	56.6821	10.18	0.002699
1	1	37	2011	1	19	0.1859	10.537	6.6500	4.7481	56.6821	9.86	0.001293
1	1	37	2011	1	20	0.2198	14.237	6.6500	4.7481	64.7605	8.70	0.006032
1	1	37	2011	1	21	0.2691	17.429	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2011	1	22	0.2814	36.651	6.6500	4.7481	130.2221	6.58	0.010278
1	1	37	2011	1	23	0.3314	65.556	6.6500	4.7481	197.8148	6.28	0.036527
1	1	37	2011	1	24	1.8103	15.537	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2011	1	25	0.5011	13.645	6.8800	4.9123	27.2301	6.43	0.000303
1	1	37	2011	1	26	0.2571	25.130	6.6500	4.7481	97.7390	4.34	0.003655
1	1	37	2011	1	27	0.3979	10.835	6.6500	4.7481	27.2301	6.19	0.007008
1	1	37	2011	1	28	0.2973	13.075	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2011	2	1	11.8743	356.368	7.2800	5.3799	30.0117	24.09	0.281246

1	1	37	2011	2	2	9.6726	388.797	8.0600	5.7548	40.1957	18.52	0.101405
1	1	37	2011	2	3	10.2509	412.041	8.0600	5.7548	40.1957	18.52	0.337320
1	1	37	2011	2	4	14.8549	561.761	8.0600	5.7548	37.8166	14.25	0.103547
1	1	37	2011	2	5	15.1357	572.383	8.0600	5.7548	37.8166	14.25	0.047578
1	1	37	2011	2	6	4.9861	188.330	6.8800	4.9123	37.7707	10.10	0.027524
1	1	37	2011	2	7	5.5337	209.012	6.8800	4.9123	37.7707	9.36	0.000969
1	1	37	2011	2	8	5.3496	195.224	6.8800	4.9123	36.4932	9.33	0.000281
1	1	37	2011	2	9	6.2344	227.514	6.8800	4.9123	36.4931	8.00	0.000959
1	1	37	2011	2	10	6.1770	225.420	6.8800	4.9123	36.4932	8.12	0.001996
1	1	37	2011	2	11	7.3219	267.198	6.8800	4.9123	36.4932	7.44	0.000819
1	1	37	2011	2	12	7.8038	284.784	6.8800	4.9123	36.4932	7.05	0.000002
1	1	37	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2011	2	14	0.6654	19.969	7.2800	5.1979	30.0117	32.28	0.000028
1	1	37	2011	2	15	0.2844	13.732	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2011	2	16	0.3848	17.338	6.6500	4.7481	45.0549	12.93	0.008198
1	1	37	2011	2	17	0.4086	19.308	6.6500	4.7481	47.2522	11.65	0.002544
1	1	37	2011	2	18	0.5776	32.740	6.6500	4.7481	56.6821	10.18	0.002699
1	1	37	2011	2	19	0.6231	35.316	6.6500	4.7481	56.6821	9.86	0.001293
1	1	37	2011	2	20	0.5978	38.717	6.6500	4.7481	64.7605	8.70	0.006032
1	1	37	2011	2	21	0.7360	47.664	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2011	2	22	0.9614	125.193	6.6500	4.7481	130.2221	6.58	0.010278
1	1	37	2011	2	23	1.2119	239.724	6.6500	4.7481	197.8148	6.28	0.036527
1	1	37	2011	2	24	9.4570	81.162	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2011	2	25	8.8892	242.054	6.8800	4.9123	27.2301	6.43	0.000303
1	1	37	2011	2	26	1.8836	184.098	6.6500	4.7481	97.7390	4.34	0.003655
1	1	37	2011	2	27	1.1394	31.025	6.6500	4.7481	27.2301	6.19	0.007008
1	1	37	2011	2	28	0.4941	21.729	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2011	3	1	0.4692	14.083	7.2800	5.3799	30.0117	24.09	0.281246
1	1	37	2011	3	2	0.3278	13.176	8.0600	5.7548	40.1957	18.52	0.101405
1	1	37	2011	3	3	0.5110	20.541	8.0600	5.7548	40.1957	18.52	0.337320
1	1	37	2011	3	4	0.9940	37.589	8.0600	5.7548	37.8166	14.25	0.103547
1	1	37	2011	3	5	1.3866	52.438	8.0600	5.7548	37.8166	14.25	0.047578
1	1	37	2011	3	6	1.9657	74.247	6.8800	4.9123	37.7707	10.10	0.027524
1	1	37	2011	3	7	2.0782	78.496	6.8800	4.9123	37.7707	9.36	0.000969
1	1	37	2011	3	8	1.8347	66.954	6.8800	4.9123	36.4932	9.33	0.000281
1	1	37	2011	3	9	2.1289	77.691	6.8800	4.9123	36.4931	8.00	0.000959
1	1	37	2011	3	10	2.1153	77.193	6.8800	4.9123	36.4932	8.12	0.001996
1	1	37	2011	3	11	2.3328	85.131	6.8800	4.9123	36.4932	7.44	0.000819
1	1	37	2011	3	12	2.4906	90.890	6.8800	4.9123	36.4932	7.05	0.000002
1	1	37	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2011	3	14	0.2238	6.716	7.2800	5.1979	30.0117	32.28	0.000028
1	1	37	2011	3	15	0.1434	6.922	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2011	3	16	1.7940	80.830	6.6500	4.7481	45.0549	12.93	0.008198
1	1	37	2011	3	17	1.8893	89.275	6.6500	4.7481	47.2522	11.65	0.002544
1	1	37	2011	3	18	2.6105	147.968	6.6500	4.7481	56.6821	10.18	0.002699
1	1	37	2011	3	19	2.8223	159.976	6.6500	4.7481	56.6821	9.86	0.001293
1	1	37	2011	3	20	3.2435	210.054	6.6500	4.7481	64.7605	8.70	0.006032

1	1	37	2011	3	21	4.0073	259.517	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2011	3	22	4.5989	598.884	6.6500	4.7481	130.2221	6.58	0.010278
1	1	37	2011	3	23	5.5475	1097.372	6.6500	4.7481	197.8148	6.28	0.036527
1	1	37	2011	3	24	2.0031	17.191	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2011	3	25	4.1062	111.812	6.8800	4.9123	27.2301	6.43	0.000303
1	1	37	2011	3	26	9.4906	927.600	6.6500	4.7481	97.7390	4.34	0.003655
1	1	37	2011	3	27	6.5610	178.658	6.6500	4.7481	27.2301	6.19	0.007008
1	1	37	2011	3	28	0.4970	21.856	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	38	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	38	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	38	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	38	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	38	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	38	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	38	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	38	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	38	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	38	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	38	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	38	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	38	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	38	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	38	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	38	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	38	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	38	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	38	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	38	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	38	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	38	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	38	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2011	1	1	0.3538	10.617	7.2800	5.3799	30.0117	24.09	0.281246
1	1	38	2011	1	2	0.2112	8.488	8.0600	5.7548	40.1957	18.52	0.101405
1	1	38	2011	1	3	0.2444	9.822	8.0600	5.7548	40.1957	18.52	0.337320
1	1	38	2011	1	4	0.5620	21.254	8.0600	5.7548	37.8166	14.25	0.103547
1	1	38	2011	1	5	0.6204	23.462	8.0600	5.7548	37.8166	14.25	0.047578
1	1	38	2011	1	6	0.2857	10.792	6.8800	4.9123	37.7707	10.10	0.027524
1	1	38	2011	1	7	0.2859	10.799	6.8800	4.9123	37.7707	9.36	0.000969
1	1	38	2011	1	8	0.2627	9.585	6.8800	4.9123	36.4932	9.33	0.000281
1	1	38	2011	1	9	0.2853	10.413	6.8800	4.9123	36.4931	8.00	0.000959
1	1	38	2011	1	10	0.2843	10.376	6.8800	4.9123	36.4932	8.12	0.001996
1	1	38	2011	1	11	0.3066	11.189	6.8800	4.9123	36.4932	7.44	0.000819

1	1	38	2011	1	12	0.3198	11.671	6.8800	4.9123	36.4932	7.05	0.000002
1	1	38	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2011	1	14	0.1162	3.489	7.2800	5.1979	30.0117	32.28	0.000028
1	1	38	2011	1	15	0.0841	4.062	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2011	1	16	0.1155	5.203	6.6500	4.7481	45.0549	12.93	0.008198
1	1	38	2011	1	17	0.1260	5.954	6.6500	4.7481	47.2522	11.65	0.002544
1	1	38	2011	1	18	0.1646	9.327	6.6500	4.7481	56.6821	10.18	0.002699
1	1	38	2011	1	19	0.1825	10.342	6.6500	4.7481	56.6821	9.86	0.001293
1	1	38	2011	1	20	0.2158	13.973	6.6500	4.7481	64.7605	8.70	0.006032
1	1	38	2011	1	21	0.2642	17.107	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2011	1	22	0.2762	35.973	6.6500	4.7481	130.2221	6.58	0.010278
1	1	38	2011	1	23	0.3253	64.344	6.6500	4.7481	197.8148	6.28	0.036527
1	1	38	2011	1	24	1.7980	15.431	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2011	1	25	0.4904	13.353	6.8800	4.9123	27.2301	6.43	0.000303
1	1	38	2011	1	26	0.2524	24.665	6.6500	4.7481	97.7390	4.34	0.003655
1	1	38	2011	1	27	0.3905	10.634	6.6500	4.7481	27.2301	6.19	0.007008
1	1	38	2011	1	28	0.2938	12.920	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2011	2	1	11.9443	358.470	7.2800	5.3799	30.0117	24.09	0.281246
1	1	38	2011	2	2	9.7361	391.349	8.0600	5.7548	40.1957	18.52	0.101405
1	1	38	2011	2	3	10.3194	414.794	8.0600	5.7548	40.1957	18.52	0.337320
1	1	38	2011	2	4	14.9575	565.644	8.0600	5.7548	37.8166	14.25	0.103547
1	1	38	2011	2	5	15.2397	576.316	8.0600	5.7548	37.8166	14.25	0.047578
1	1	38	2011	2	6	4.9618	187.410	6.8800	4.9123	37.7707	10.10	0.027524
1	1	38	2011	2	7	5.5067	207.992	6.8800	4.9123	37.7707	9.36	0.000969
1	1	38	2011	2	8	5.3235	194.271	6.8800	4.9123	36.4932	9.33	0.000281
1	1	38	2011	2	9	6.2040	226.403	6.8800	4.9123	36.4931	8.00	0.000959
1	1	38	2011	2	10	6.1469	224.319	6.8800	4.9123	36.4932	8.12	0.001996
1	1	38	2011	2	11	7.2861	265.893	6.8800	4.9123	36.4932	7.44	0.000819
1	1	38	2011	2	12	7.7657	283.394	6.8800	4.9123	36.4932	7.05	0.000002
1	1	38	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2011	2	14	0.6614	19.849	7.2800	5.1979	30.0117	32.28	0.000028
1	1	38	2011	2	15	0.2825	13.640	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2011	2	16	0.3804	17.140	6.6500	4.7481	45.0549	12.93	0.008198
1	1	38	2011	2	17	0.4040	19.088	6.6500	4.7481	47.2522	11.65	0.002544
1	1	38	2011	2	18	0.5710	32.367	6.6500	4.7481	56.6821	10.18	0.002699
1	1	38	2011	2	19	0.6160	34.914	6.6500	4.7481	56.6821	9.86	0.001293
1	1	38	2011	2	20	0.5910	38.276	6.6500	4.7481	64.7605	8.70	0.006032
1	1	38	2011	2	21	0.7276	47.121	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2011	2	22	0.9504	123.768	6.6500	4.7481	130.2221	6.58	0.010278
1	1	38	2011	2	23	1.1981	236.995	6.6500	4.7481	197.8148	6.28	0.036527
1	1	38	2011	2	24	9.3410	80.167	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2011	2	25	8.8458	240.872	6.8800	4.9123	27.2301	6.43	0.000303
1	1	38	2011	2	26	1.8621	182.002	6.6500	4.7481	97.7390	4.34	0.003655
1	1	38	2011	2	27	1.1264	30.672	6.6500	4.7481	27.2301	6.19	0.007008
1	1	38	2011	2	28	0.4910	21.593	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2011	3	1	0.4719	14.163	7.2800	5.3799	30.0117	24.09	0.281246
1	1	38	2011	3	2	0.3300	13.265	8.0600	5.7548	40.1957	18.52	0.101405

1	1	38	2011	3	3	0.5136	20.645	8.0600	5.7548	40.1957	18.52	0.337320
1	1	38	2011	3	4	0.9977	37.728	8.0600	5.7548	37.8166	14.25	0.103547
1	1	38	2011	3	5	1.3901	52.570	8.0600	5.7548	37.8166	14.25	0.047578
1	1	38	2011	3	6	1.9819	74.856	6.8800	4.9123	37.7707	10.10	0.027524
1	1	38	2011	3	7	2.0953	79.141	6.8800	4.9123	37.7707	9.36	0.000969
1	1	38	2011	3	8	1.8498	67.504	6.8800	4.9123	36.4932	9.33	0.000281
1	1	38	2011	3	9	2.1464	78.329	6.8800	4.9123	36.4931	8.00	0.000959
1	1	38	2011	3	10	2.1327	77.827	6.8800	4.9123	36.4932	8.12	0.001996
1	1	38	2011	3	11	2.3519	85.830	6.8800	4.9123	36.4932	7.44	0.000819
1	1	38	2011	3	12	2.5111	91.636	6.8800	4.9123	36.4932	7.05	0.000002
1	1	38	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2011	3	14	0.2268	6.806	7.2800	5.1979	30.0117	32.28	0.000028
1	1	38	2011	3	15	0.1453	7.015	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2011	3	16	1.8191	81.960	6.6500	4.7481	45.0549	12.93	0.008198
1	1	38	2011	3	17	1.9157	90.523	6.6500	4.7481	47.2522	11.65	0.002544
1	1	38	2011	3	18	2.6470	150.036	6.6500	4.7481	56.6821	10.18	0.002699
1	1	38	2011	3	19	2.8618	162.212	6.6500	4.7481	56.6821	9.86	0.001293
1	1	38	2011	3	20	3.2897	213.045	6.6500	4.7481	64.7605	8.70	0.006032
1	1	38	2011	3	21	4.0644	263.213	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2011	3	22	4.6618	607.066	6.6500	4.7481	130.2221	6.58	0.010278
1	1	38	2011	3	23	5.6217	1112.059	6.6500	4.7481	197.8148	6.28	0.036527
1	1	38	2011	3	24	2.0113	17.261	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2011	3	25	4.1399	112.730	6.8800	4.9123	27.2301	6.43	0.000303
1	1	38	2011	3	26	9.6272	940.956	6.6500	4.7481	97.7390	4.34	0.003655
1	1	38	2011	3	27	6.6554	181.229	6.6500	4.7481	27.2301	6.19	0.007008
1	1	38	2011	3	28	0.5037	22.149	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	39	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	39	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	39	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	39	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	39	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	39	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	39	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	39	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	39	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	39	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	39	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	39	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	39	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	39	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	39	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	39	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	39	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	39	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655

1	1	39	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	39	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	39	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	39	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	39	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	39	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2011	1	1	0.3527	10.586	7.2800	5.3799	30.0117	24.09	0.281246
1	1	39	2011	1	2	0.2110	8.480	8.0600	5.7548	40.1957	18.52	0.101405
1	1	39	2011	1	3	0.2442	9.817	8.0600	5.7548	40.1957	18.52	0.337320
1	1	39	2011	1	4	0.5600	21.178	8.0600	5.7548	37.8166	14.25	0.103547
1	1	39	2011	1	5	0.6183	23.382	8.0600	5.7548	37.8166	14.25	0.047578
1	1	39	2011	1	6	0.2802	10.585	6.8800	4.9123	37.7707	10.10	0.027524
1	1	39	2011	1	7	0.2804	10.591	6.8800	4.9123	37.7707	9.36	0.000969
1	1	39	2011	1	8	0.2578	9.408	6.8800	4.9123	36.4932	9.33	0.000281
1	1	39	2011	1	9	0.2799	10.214	6.8800	4.9123	36.4931	8.00	0.000959
1	1	39	2011	1	10	0.2789	10.178	6.8800	4.9123	36.4932	8.12	0.001996
1	1	39	2011	1	11	0.3006	10.969	6.8800	4.9123	36.4932	7.44	0.000819
1	1	39	2011	1	12	0.3134	11.438	6.8800	4.9123	36.4932	7.05	0.000002
1	1	39	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2011	1	14	0.1150	3.451	7.2800	5.1979	30.0117	32.28	0.000028
1	1	39	2011	1	15	0.0831	4.015	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2011	1	16	0.1134	5.110	6.6500	4.7481	45.0549	12.93	0.008198
1	1	39	2011	1	17	0.1238	5.848	6.6500	4.7481	47.2522	11.65	0.002544
1	1	39	2011	1	18	0.1616	9.160	6.6500	4.7481	56.6821	10.18	0.002699
1	1	39	2011	1	19	0.1792	10.157	6.6500	4.7481	56.6821	9.86	0.001293
1	1	39	2011	1	20	0.2119	13.723	6.6500	4.7481	64.7605	8.70	0.006032
1	1	39	2011	1	21	0.2594	16.800	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2011	1	22	0.2713	35.328	6.6500	4.7481	130.2221	6.58	0.010278
1	1	39	2011	1	23	0.3194	63.190	6.6500	4.7481	197.8148	6.28	0.036527
1	1	39	2011	1	24	1.7863	15.330	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2011	1	25	0.4802	13.075	6.8800	4.9123	27.2301	6.43	0.000303
1	1	39	2011	1	26	0.2478	24.223	6.6500	4.7481	97.7390	4.34	0.003655
1	1	39	2011	1	27	0.3835	10.443	6.6500	4.7481	27.2301	6.19	0.007008
1	1	39	2011	1	28	0.2904	12.772	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2011	2	1	12.0110	360.471	7.2800	5.3799	30.0117	24.09	0.281246
1	1	39	2011	2	2	9.7966	393.779	8.0600	5.7548	40.1957	18.52	0.101405
1	1	39	2011	2	3	10.3846	417.417	8.0600	5.7548	40.1957	18.52	0.337320
1	1	39	2011	2	4	15.0553	569.342	8.0600	5.7548	37.8166	14.25	0.103547
1	1	39	2011	2	5	15.3388	580.061	8.0600	5.7548	37.8166	14.25	0.047578
1	1	39	2011	2	6	4.9386	186.535	6.8800	4.9123	37.7707	10.10	0.027524
1	1	39	2011	2	7	5.4810	207.019	6.8800	4.9123	37.7707	9.36	0.000969
1	1	39	2011	2	8	5.2986	193.363	6.8800	4.9123	36.4932	9.33	0.000281
1	1	39	2011	2	9	6.1750	225.344	6.8800	4.9123	36.4931	8.00	0.000959
1	1	39	2011	2	10	6.1181	223.270	6.8800	4.9123	36.4932	8.12	0.001996
1	1	39	2011	2	11	7.2521	264.650	6.8800	4.9123	36.4932	7.44	0.000819
1	1	39	2011	2	12	7.7294	282.069	6.8800	4.9123	36.4932	7.05	0.000002

1	1	39	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2011	2	14	0.6576	19.735	7.2800	5.1979	30.0117	32.28	0.000028
1	1	39	2011	2	15	0.2807	13.553	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2011	2	16	0.3763	16.952	6.6500	4.7481	45.0549	12.93	0.008198
1	1	39	2011	2	17	0.3995	18.879	6.6500	4.7481	47.2522	11.65	0.002544
1	1	39	2011	2	18	0.5648	32.013	6.6500	4.7481	56.6821	10.18	0.002699
1	1	39	2011	2	19	0.6092	34.531	6.6500	4.7481	56.6821	9.86	0.001293
1	1	39	2011	2	20	0.5846	37.856	6.6500	4.7481	64.7605	8.70	0.006032
1	1	39	2011	2	21	0.7196	46.605	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2011	2	22	0.9400	122.411	6.6500	4.7481	130.2221	6.58	0.010278
1	1	39	2011	2	23	1.1849	234.396	6.6500	4.7481	197.8148	6.28	0.036527
1	1	39	2011	2	24	9.2306	79.219	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2011	2	25	8.8044	239.746	6.8800	4.9123	27.2301	6.43	0.000303
1	1	39	2011	2	26	1.8417	180.006	6.6500	4.7481	97.7390	4.34	0.003655
1	1	39	2011	2	27	1.1141	30.336	6.6500	4.7481	27.2301	6.19	0.007008
1	1	39	2011	2	28	0.4881	21.464	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2011	3	1	0.4745	14.239	7.2800	5.3799	30.0117	24.09	0.281246
1	1	39	2011	3	2	0.3321	13.349	8.0600	5.7548	40.1957	18.52	0.101405
1	1	39	2011	3	3	0.5161	20.744	8.0600	5.7548	40.1957	18.52	0.337320
1	1	39	2011	3	4	1.0012	37.861	8.0600	5.7548	37.8166	14.25	0.103547
1	1	39	2011	3	5	1.3935	52.697	8.0600	5.7548	37.8166	14.25	0.047578
1	1	39	2011	3	6	1.9972	75.437	6.8800	4.9123	37.7707	10.10	0.027524
1	1	39	2011	3	7	2.1116	79.755	6.8800	4.9123	37.7707	9.36	0.000969
1	1	39	2011	3	8	1.8641	68.028	6.8800	4.9123	36.4932	9.33	0.000281
1	1	39	2011	3	9	2.1631	78.937	6.8800	4.9123	36.4931	8.00	0.000959
1	1	39	2011	3	10	2.1492	78.431	6.8800	4.9123	36.4932	8.12	0.001996
1	1	39	2011	3	11	2.3702	86.496	6.8800	4.9123	36.4932	7.44	0.000819
1	1	39	2011	3	12	2.5305	92.347	6.8800	4.9123	36.4932	7.05	0.000002
1	1	39	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2011	3	14	0.2296	6.891	7.2800	5.1979	30.0117	32.28	0.000028
1	1	39	2011	3	15	0.1471	7.104	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2011	3	16	1.8430	83.036	6.6500	4.7481	45.0549	12.93	0.008198
1	1	39	2011	3	17	1.9409	91.712	6.6500	4.7481	47.2522	11.65	0.002544
1	1	39	2011	3	18	2.6817	152.007	6.6500	4.7481	56.6821	10.18	0.002699
1	1	39	2011	3	19	2.8994	164.343	6.6500	4.7481	56.6821	9.86	0.001293
1	1	39	2011	3	20	3.3337	215.894	6.6500	4.7481	64.7605	8.70	0.006032
1	1	39	2011	3	21	4.1188	266.733	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2011	3	22	4.7216	614.859	6.6500	4.7481	130.2221	6.58	0.010278
1	1	39	2011	3	23	5.6924	1126.047	6.6500	4.7481	197.8148	6.28	0.036527
1	1	39	2011	3	24	2.0190	17.328	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2011	3	25	4.1720	113.605	6.8800	4.9123	27.2301	6.43	0.000303
1	1	39	2011	3	26	9.7574	953.675	6.6500	4.7481	97.7390	4.34	0.003655
1	1	39	2011	3	27	6.7453	183.677	6.6500	4.7481	27.2301	6.19	0.007008
1	1	39	2011	3	28	0.5100	22.429	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	40	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	40	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320

1	1	40	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	40	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	40	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	40	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	40	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	40	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	40	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	40	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	40	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	40	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	40	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	40	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	40	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	40	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	40	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	40	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	40	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	40	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	40	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	40	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	40	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	40	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	40	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	40	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	40	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2011	1	1	0.3517	10.557	7.2800	5.3799	30.0117	24.09	0.281246
1	1	40	2011	1	2	0.2108	8.472	8.0600	5.7548	40.1957	18.52	0.101405
1	1	40	2011	1	3	0.2441	9.813	8.0600	5.7548	40.1957	18.52	0.337320
1	1	40	2011	1	4	0.5581	21.107	8.0600	5.7548	37.8166	14.25	0.103547
1	1	40	2011	1	5	0.6163	23.306	8.0600	5.7548	37.8166	14.25	0.047578
1	1	40	2011	1	6	0.2750	10.387	6.8800	4.9123	37.7707	10.10	0.027524
1	1	40	2011	1	7	0.2752	10.393	6.8800	4.9123	37.7707	9.36	0.000969
1	1	40	2011	1	8	0.2532	9.239	6.8800	4.9123	36.4932	9.33	0.000281
1	1	40	2011	1	9	0.2747	10.024	6.8800	4.9123	36.4931	8.00	0.000959
1	1	40	2011	1	10	0.2737	9.989	6.8800	4.9123	36.4932	8.12	0.001996
1	1	40	2011	1	11	0.2948	10.759	6.8800	4.9123	36.4932	7.44	0.000819
1	1	40	2011	1	12	0.3074	11.216	6.8800	4.9123	36.4932	7.05	0.000002
1	1	40	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	40	2011	1	14	0.1138	3.416	7.2800	5.1979	30.0117	32.28	0.000028
1	1	40	2011	1	15	0.0822	3.969	8.0600	5.7548	48.2848	22.10	0.004518
1	1	40	2011	1	16	0.1114	5.021	6.6500	4.7481	45.0549	12.93	0.008198
1	1	40	2011	1	17	0.1216	5.746	6.6500	4.7481	47.2522	11.65	0.002544
1	1	40	2011	1	18	0.1588	9.001	6.6500	4.7481	56.6821	10.18	0.002699
1	1	40	2011	1	19	0.1761	9.980	6.6500	4.7481	56.6821	9.86	0.001293
1	1	40	2011	1	20	0.2082	13.484	6.6500	4.7481	64.7605	8.70	0.006032
1	1	40	2011	1	21	0.2549	16.507	6.6500	4.7481	64.7605	7.53	0.008655
1	1	40	2011	1	22	0.2666	34.712	6.6500	4.7481	130.2221	6.58	0.010278

1	1	40	2011	1	23	0.3139	62.089	6.6500	4.7481	197.8148	6.28	0.036527
1	1	40	2011	1	24	1.7751	15.234	1.3500	0.9639	8.5822	50.00	0.002374
1	1	40	2011	1	25	0.4704	12.810	6.8800	4.9123	27.2301	6.43	0.000303
1	1	40	2011	1	26	0.2435	23.801	6.6500	4.7481	97.7390	4.34	0.003655
1	1	40	2011	1	27	0.3768	10.262	6.6500	4.7481	27.2301	6.19	0.007008
1	1	40	2011	1	28	0.2872	12.631	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2011	2	1	12.0746	362.379	7.2800	5.3799	30.0117	24.09	0.281246
1	1	40	2011	2	2	9.8542	396.097	8.0600	5.7548	40.1957	18.52	0.101405
1	1	40	2011	2	3	10.4468	419.918	8.0600	5.7548	40.1957	18.52	0.337320
1	1	40	2011	2	4	15.1486	572.868	8.0600	5.7548	37.8166	14.25	0.103547
1	1	40	2011	2	5	15.4332	583.632	8.0600	5.7548	37.8166	14.25	0.047578
1	1	40	2011	2	6	4.9165	185.699	6.8800	4.9123	37.7707	10.10	0.027524
1	1	40	2011	2	7	5.4564	206.092	6.8800	4.9123	37.7707	9.36	0.000969
1	1	40	2011	2	8	5.2749	192.497	6.8800	4.9123	36.4932	9.33	0.000281
1	1	40	2011	2	9	6.1473	224.335	6.8800	4.9123	36.4931	8.00	0.000959
1	1	40	2011	2	10	6.0908	222.271	6.8800	4.9123	36.4932	8.12	0.001996
1	1	40	2011	2	11	7.2196	263.465	6.8800	4.9123	36.4932	7.44	0.000819
1	1	40	2011	2	12	7.6948	280.806	6.8800	4.9123	36.4932	7.05	0.000002
1	1	40	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	40	2011	2	14	0.6540	19.627	7.2800	5.1979	30.0117	32.28	0.000028
1	1	40	2011	2	15	0.2790	13.470	8.0600	5.7548	48.2848	22.10	0.004518
1	1	40	2011	2	16	0.3723	16.773	6.6500	4.7481	45.0549	12.93	0.008198
1	1	40	2011	2	17	0.3953	18.679	6.6500	4.7481	47.2522	11.65	0.002544
1	1	40	2011	2	18	0.5588	31.674	6.6500	4.7481	56.6821	10.18	0.002699
1	1	40	2011	2	19	0.6028	34.166	6.6500	4.7481	56.6821	9.86	0.001293
1	1	40	2011	2	20	0.5784	37.456	6.6500	4.7481	64.7605	8.70	0.006032
1	1	40	2011	2	21	0.7120	46.112	6.6500	4.7481	64.7605	7.53	0.008655
1	1	40	2011	2	22	0.9301	121.117	6.6500	4.7481	130.2221	6.58	0.010278
1	1	40	2011	2	23	1.1724	231.918	6.6500	4.7481	197.8148	6.28	0.036527
1	1	40	2011	2	24	9.1253	78.316	1.3500	0.9639	8.5822	50.00	0.002374
1	1	40	2011	2	25	8.7650	238.673	6.8800	4.9123	27.2301	6.43	0.000303
1	1	40	2011	2	26	1.8222	178.103	6.6500	4.7481	97.7390	4.34	0.003655
1	1	40	2011	2	27	1.1023	30.015	6.6500	4.7481	27.2301	6.19	0.007008
1	1	40	2011	2	28	0.4853	21.340	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2011	3	1	0.4769	14.312	7.2800	5.3799	30.0117	24.09	0.281246
1	1	40	2011	3	2	0.3341	13.430	8.0600	5.7548	40.1957	18.52	0.101405
1	1	40	2011	3	3	0.5184	20.838	8.0600	5.7548	40.1957	18.52	0.337320
1	1	40	2011	3	4	1.0045	37.988	8.0600	5.7548	37.8166	14.25	0.103547
1	1	40	2011	3	5	1.3967	52.817	8.0600	5.7548	37.8166	14.25	0.047578
1	1	40	2011	3	6	2.0119	75.991	6.8800	4.9123	37.7707	10.10	0.027524
1	1	40	2011	3	7	2.1271	80.340	6.8800	4.9123	37.7707	9.36	0.000969
1	1	40	2011	3	8	1.8778	68.527	6.8800	4.9123	36.4932	9.33	0.000281
1	1	40	2011	3	9	2.1789	79.517	6.8800	4.9123	36.4931	8.00	0.000959
1	1	40	2011	3	10	2.1650	79.007	6.8800	4.9123	36.4932	8.12	0.001996
1	1	40	2011	3	11	2.3876	87.131	6.8800	4.9123	36.4932	7.44	0.000819
1	1	40	2011	3	12	2.5491	93.025	6.8800	4.9123	36.4932	7.05	0.000002
1	1	40	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	40	2011	3	14	0.2323	6.972	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	40	2011	3	15	0.1489	7.188	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	40	2011	3	16	1.8658	84.063	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	40	2011	3	17	1.9649	92.845	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	40	2011	3	18	2.7149	153.886	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	40	2011	3	19	2.9352	166.374	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	40	2011	3	20	3.3757	218.611	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	40	2011	3	21	4.1706	270.090	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	40	2011	3	22	4.7787	622.290	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	40	2011	3	23	5.7599	1139.385	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	40	2011	3	24	2.0264	17.391	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	40	2011	3	25	4.2026	114.439	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	40	2011	3	26	9.8814	965.802	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	40	2011	3	27	6.8311	186.011	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	40	2011	3	28	0.5161	22.696	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	41	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	41	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	41	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	41	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	41	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	41	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	41	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	41	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	41	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	41	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	41	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	41	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	41	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	41	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	41	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	41	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	41	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	41	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	41	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	41	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	41	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	41	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	41	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	41	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	41	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	41	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	41	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	41	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	41	2011	1	1	0.3508	10.529	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	41	2011	1	2	0.2106	8.465	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	41	2011	1	3	0.2440	9.808	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	41	2011	1	4	0.5563	21.038	8.0600	5.7548	37.8166	14.25
0.103547											

1	1	41	2011	1	5	0.6144	23.234	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	41	2011	1	6	0.2700	10.198	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	41	2011	1	7	0.2702	10.204	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	41	2011	1	8	0.2488	9.078	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	41	2011	1	9	0.2697	9.843	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	41	2011	1	10	0.2688	9.809	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	41	2011	1	11	0.2894	10.559	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	41	2011	1	12	0.3016	11.005	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	41	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	41	2011	1	14	0.1127	3.382	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	41	2011	1	15	0.0813	3.926	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	41	2011	1	16	0.1096	4.936	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	41	2011	1	17	0.1195	5.648	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	41	2011	1	18	0.1561	8.848	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	41	2011	1	19	0.1731	9.811	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	41	2011	1	20	0.2047	13.255	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	41	2011	1	21	0.2506	16.228	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	41	2011	1	22	0.2621	34.125	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	41	2011	1	23	0.3086	61.038	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	41	2011	1	24	1.7644	15.143	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	41	2011	1	25	0.4612	12.557	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	41	2011	1	26	0.2394	23.398	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	41	2011	1	27	0.3705	10.088	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	41	2011	1	28	0.2842	12.496	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	41	2011	2	1	12.1353	364.201	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	41	2011	2	2	9.9092	398.309	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	41	2011	2	3	10.5062	422.305	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	41	2011	2	4	15.2376	576.234	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	41	2011	2	5	15.5233	587.041	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	41	2011	2	6	4.8954	184.902	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	41	2011	2	7	5.4330	205.208	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	41	2011	2	8	5.2522	191.670	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	41	2011	2	9	6.1209	223.372	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	41	2011	2	10	6.0646	221.316	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	41	2011	2	11	7.1886	262.334	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	41	2011	2	12	7.6617	279.600	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	41	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	41	2011	2	14	0.6505	19.523	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	41	2011	2	15	0.2773	13.391	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	41	2011	2	16	0.3685	16.602	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	41	2011	2	17	0.3913	18.489	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	41	2011	2	18	0.5531	31.351	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	41	2011	2	19	0.5966	33.818	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	41	2011	2	20	0.5725	37.074	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	41	2011	2	21	0.7048	45.642	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	41	2011	2	22	0.9206	119.881	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	41	2011	2	23	1.1604	229.553	6.6500	4.7481	197.8148	6.28
0.036527											

1	1	41	2011	2	24	9.0248	77.453	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2011	2	25	8.7274	237.648	6.8800	4.9123	27.2301	6.43	0.000303
1	1	41	2011	2	26	1.8036	176.287	6.6500	4.7481	97.7390	4.34	0.003655
1	1	41	2011	2	27	1.0910	29.709	6.6500	4.7481	27.2301	6.19	0.007008
1	1	41	2011	2	28	0.4826	21.223	8.0600	5.7548	43.9743	17.00	0.002242
1	1	41	2011	3	1	0.4792	14.382	7.2800	5.3799	30.0117	24.09	0.281246
1	1	41	2011	3	2	0.3360	13.507	8.0600	5.7548	40.1957	18.52	0.101405
1	1	41	2011	3	3	0.5207	20.929	8.0600	5.7548	40.1957	18.52	0.337320
1	1	41	2011	3	4	1.0077	38.108	8.0600	5.7548	37.8166	14.25	0.103547
1	1	41	2011	3	5	1.3997	52.932	8.0600	5.7548	37.8166	14.25	0.047578
1	1	41	2011	3	6	2.0259	76.519	6.8800	4.9123	37.7707	10.10	0.027524
1	1	41	2011	3	7	2.1419	80.899	6.8800	4.9123	37.7707	9.36	0.000969
1	1	41	2011	3	8	1.8909	69.004	6.8800	4.9123	36.4932	9.33	0.000281
1	1	41	2011	3	9	2.1941	80.070	6.8800	4.9123	36.4931	8.00	0.000959
1	1	41	2011	3	10	2.1800	79.556	6.8800	4.9123	36.4932	8.12	0.001996
1	1	41	2011	3	11	2.4042	87.737	6.8800	4.9123	36.4932	7.44	0.000819
1	1	41	2011	3	12	2.5668	93.672	6.8800	4.9123	36.4932	7.05	0.000002
1	1	41	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2011	3	14	0.2349	7.049	7.2800	5.1979	30.0117	32.28	0.000028
1	1	41	2011	3	15	0.1505	7.269	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2011	3	16	1.8875	85.042	6.6500	4.7481	45.0549	12.93	0.008198
1	1	41	2011	3	17	1.9878	93.927	6.6500	4.7481	47.2522	11.65	0.002544
1	1	41	2011	3	18	2.7465	155.679	6.6500	4.7481	56.6821	10.18	0.002699
1	1	41	2011	3	19	2.9694	168.313	6.6500	4.7481	56.6821	9.86	0.001293
1	1	41	2011	3	20	3.4157	221.204	6.6500	4.7481	64.7605	8.70	0.006032
1	1	41	2011	3	21	4.2201	273.294	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2011	3	22	4.8331	629.383	6.6500	4.7481	130.2221	6.58	0.010278
1	1	41	2011	3	23	5.8242	1152.116	6.6500	4.7481	197.8148	6.28	0.036527
1	1	41	2011	3	24	2.0335	17.452	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2011	3	25	4.2319	115.235	6.8800	4.9123	27.2301	6.43	0.000303
1	1	41	2011	3	26	9.9999	977.379	6.6500	4.7481	97.7390	4.34	0.003655
1	1	41	2011	3	27	6.9129	188.239	6.6500	4.7481	27.2301	6.19	0.007008
1	1	41	2011	3	28	0.5219	22.950	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	42	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	42	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	42	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	42	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	42	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	42	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	42	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	42	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	42	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	42	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	42	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	42	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028

1	1	42	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	42	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	42	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	42	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	42	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	42	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	42	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	42	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	42	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	42	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	42	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	42	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	42	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	42	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	42	2011	1	1	0.3499	10.502	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	42	2011	1	2	0.2104	8.459	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	42	2011	1	3	0.2439	9.804	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	42	2011	1	4	0.5546	20.972	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	42	2011	1	5	0.6125	23.164	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	42	2011	1	6	0.2652	10.018	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	42	2011	1	7	0.2654	10.024	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	42	2011	1	8	0.2445	8.924	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	42	2011	1	9	0.2650	9.670	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	42	2011	1	10	0.2641	9.636	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	42	2011	1	11	0.2841	10.368	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	42	2011	1	12	0.2960	10.803	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	42	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	42	2011	1	14	0.1116	3.349	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	42	2011	1	15	0.0805	3.885	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	42	2011	1	16	0.1078	4.855	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	42	2011	1	17	0.1176	5.556	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	42	2011	1	18	0.1535	8.703	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	42	2011	1	19	0.1702	9.649	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	42	2011	1	20	0.2013	13.037	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	42	2011	1	21	0.2465	15.961	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	42	2011	1	22	0.2577	33.564	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	42	2011	1	23	0.3035	60.034	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	42	2011	1	24	1.7543	15.055	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	42	2011	1	25	0.4523	12.315	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	42	2011	1	26	0.2355	23.013	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	42	2011	1	27	0.3644	9.922	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	42	2011	1	28	0.2812	12.367	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	42	2011	2	1	12.1933	365.941	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	42	2011	2	2	9.9618	400.423	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	42	2011	2	3	10.5630	424.585	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	42	2011	2	4	15.3226	579.450	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	42	2011	2	5	15.6095	590.298	8.0600	5.7548	37.8166	14.25
0.047578											

1	1	42	2011	2	6	4.8752	184.140	6.8800	4.9123	37.7707	10.10	0.027524
1	1	42	2011	2	7	5.4106	204.362	6.8800	4.9123	37.7707	9.36	0.000969
1	1	42	2011	2	8	5.2306	190.881	6.8800	4.9123	36.4932	9.33	0.000281
1	1	42	2011	2	9	6.0957	222.452	6.8800	4.9123	36.4931	8.00	0.000959
1	1	42	2011	2	10	6.0396	220.404	6.8800	4.9123	36.4932	8.12	0.001996
1	1	42	2011	2	11	7.1590	261.253	6.8800	4.9123	36.4932	7.44	0.000819
1	1	42	2011	2	12	7.6302	278.448	6.8800	4.9123	36.4932	7.05	0.000002
1	1	42	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2011	2	14	0.6472	19.424	7.2800	5.1979	30.0117	32.28	0.000028
1	1	42	2011	2	15	0.2758	13.315	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2011	2	16	0.3649	16.439	6.6500	4.7481	45.0549	12.93	0.008198
1	1	42	2011	2	17	0.3874	18.307	6.6500	4.7481	47.2522	11.65	0.002544
1	1	42	2011	2	18	0.5477	31.042	6.6500	4.7481	56.6821	10.18	0.002699
1	1	42	2011	2	19	0.5907	33.485	6.6500	4.7481	56.6821	9.86	0.001293
1	1	42	2011	2	20	0.5668	36.709	6.6500	4.7481	64.7605	8.70	0.006032
1	1	42	2011	2	21	0.6978	45.192	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2011	2	22	0.9115	118.701	6.6500	4.7481	130.2221	6.58	0.010278
1	1	42	2011	2	23	1.1490	227.293	6.6500	4.7481	197.8148	6.28	0.036527
1	1	42	2011	2	24	8.9288	76.629	1.3500	0.9639	8.5822	50.00	0.002374
1	1	42	2011	2	25	8.6914	236.669	6.8800	4.9123	27.2301	6.43	0.000303
1	1	42	2011	2	26	1.7859	174.551	6.6500	4.7481	97.7390	4.34	0.003655
1	1	42	2011	2	27	1.0803	29.417	6.6500	4.7481	27.2301	6.19	0.007008
1	1	42	2011	2	28	0.4801	21.110	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2011	3	1	0.4814	14.449	7.2800	5.3799	30.0117	24.09	0.281246
1	1	42	2011	3	2	0.3378	13.580	8.0600	5.7548	40.1957	18.52	0.101405
1	1	42	2011	3	3	0.5228	21.015	8.0600	5.7548	40.1957	18.52	0.337320
1	1	42	2011	3	4	1.0108	38.224	8.0600	5.7548	37.8166	14.25	0.103547
1	1	42	2011	3	5	1.4026	53.041	8.0600	5.7548	37.8166	14.25	0.047578
1	1	42	2011	3	6	2.0393	77.024	6.8800	4.9123	37.7707	10.10	0.027524
1	1	42	2011	3	7	2.1560	81.433	6.8800	4.9123	37.7707	9.36	0.000969
1	1	42	2011	3	8	1.9034	69.459	6.8800	4.9123	36.4932	9.33	0.000281
1	1	42	2011	3	9	2.2086	80.598	6.8800	4.9123	36.4931	8.00	0.000959
1	1	42	2011	3	10	2.1944	80.082	6.8800	4.9123	36.4932	8.12	0.001996
1	1	42	2011	3	11	2.4201	88.316	6.8800	4.9123	36.4932	7.44	0.000819
1	1	42	2011	3	12	2.5838	94.291	6.8800	4.9123	36.4932	7.05	0.000002
1	1	42	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2011	3	14	0.2373	7.123	7.2800	5.1979	30.0117	32.28	0.000028
1	1	42	2011	3	15	0.1521	7.346	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2011	3	16	1.9083	85.978	6.6500	4.7481	45.0549	12.93	0.008198
1	1	42	2011	3	17	2.0097	94.961	6.6500	4.7481	47.2522	11.65	0.002544
1	1	42	2011	3	18	2.7768	157.393	6.6500	4.7481	56.6821	10.18	0.002699
1	1	42	2011	3	19	3.0021	170.166	6.6500	4.7481	56.6821	9.86	0.001293
1	1	42	2011	3	20	3.4540	223.682	6.6500	4.7481	64.7605	8.70	0.006032
1	1	42	2011	3	21	4.2673	276.355	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2011	3	22	4.8852	636.160	6.6500	4.7481	130.2221	6.58	0.010278
1	1	42	2011	3	23	5.8857	1164.281	6.6500	4.7481	197.8148	6.28	0.036527
1	1	42	2011	3	24	2.0402	17.509	1.3500	0.9639	8.5822	50.00	0.002374

1	1	42	2011	3	25	4.2598	115.995	6.8800	4.9123	27.2301	6.43	0.000303
1	1	42	2011	3	26	10.1131	988.441	6.6500	4.7481	97.7390	4.34	0.003655
1	1	42	2011	3	27	6.9911	190.368	6.6500	4.7481	27.2301	6.19	0.007008
1	1	42	2011	3	28	0.5274	23.193	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	43	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	43	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	43	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	43	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	43	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	43	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	43	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	43	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	43	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	43	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	43	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	43	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	43	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	43	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	43	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	43	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	43	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	43	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	43	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	43	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	43	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	43	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	43	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2011	1	1	0.3487	10.466	7.2800	5.3799	30.0117	24.09	0.281246
1	1	43	2011	1	2	0.2102	8.448	8.0600	5.7548	40.1957	18.52	0.101405
1	1	43	2011	1	3	0.2437	9.797	8.0600	5.7548	40.1957	18.52	0.337320
1	1	43	2011	1	4	0.5524	20.889	8.0600	5.7548	37.8166	14.25	0.103547
1	1	43	2011	1	5	0.6102	23.077	8.0600	5.7548	37.8166	14.25	0.047578
1	1	43	2011	1	6	0.2611	9.861	6.8800	4.9123	37.7707	10.10	0.027524
1	1	43	2011	1	7	0.2612	9.866	6.8800	4.9123	37.7707	9.36	0.000969
1	1	43	2011	1	8	0.2409	8.791	6.8800	4.9123	36.4932	9.33	0.000281
1	1	43	2011	1	9	0.2609	9.523	6.8800	4.9123	36.4931	8.00	0.000959
1	1	43	2011	1	10	0.2600	9.490	6.8800	4.9123	36.4932	8.12	0.001996
1	1	43	2011	1	11	0.2797	10.208	6.8800	4.9123	36.4932	7.44	0.000819
1	1	43	2011	1	12	0.2914	10.634	6.8800	4.9123	36.4932	7.05	0.000002
1	1	43	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2011	1	14	0.1107	3.323	7.2800	5.1979	30.0117	32.28	0.000028
1	1	43	2011	1	15	0.0798	3.851	8.0600	5.7548	48.2848	22.10	0.004518

1	1	43	2011	1	16	0.1063	4.787	6.6500	4.7481	45.0549	12.93	0.008198
1	1	43	2011	1	17	0.1159	5.478	6.6500	4.7481	47.2522	11.65	0.002544
1	1	43	2011	1	18	0.1514	8.582	6.6500	4.7481	56.6821	10.18	0.002699
1	1	43	2011	1	19	0.1679	9.515	6.6500	4.7481	56.6821	9.86	0.001293
1	1	43	2011	1	20	0.1985	12.856	6.6500	4.7481	64.7605	8.70	0.006032
1	1	43	2011	1	21	0.2430	15.739	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2011	1	22	0.2542	33.097	6.6500	4.7481	130.2221	6.58	0.010278
1	1	43	2011	1	23	0.2993	59.200	6.6500	4.7481	197.8148	6.28	0.036527
1	1	43	2011	1	24	1.7503	15.021	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2011	1	25	0.4446	12.106	6.8800	4.9123	27.2301	6.43	0.000303
1	1	43	2011	1	26	0.2322	22.694	6.6500	4.7481	97.7390	4.34	0.003655
1	1	43	2011	1	27	0.3593	9.784	6.6500	4.7481	27.2301	6.19	0.007008
1	1	43	2011	1	28	0.2788	12.260	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2011	2	1	12.2626	368.022	7.2800	5.3799	30.0117	24.09	0.281246
1	1	43	2011	2	2	10.0247	402.950	8.0600	5.7548	40.1957	18.52	0.101405
1	1	43	2011	2	3	10.6308	427.313	8.0600	5.7548	40.1957	18.52	0.337320
1	1	43	2011	2	4	15.4243	583.296	8.0600	5.7548	37.8166	14.25	0.103547
1	1	43	2011	2	5	15.7125	594.193	8.0600	5.7548	37.8166	14.25	0.047578
1	1	43	2011	2	6	4.9102	185.462	6.8800	4.9123	37.7707	10.10	0.027524
1	1	43	2011	2	7	5.4495	205.830	6.8800	4.9123	37.7707	9.36	0.000969
1	1	43	2011	2	8	5.2682	192.252	6.8800	4.9123	36.4932	9.33	0.000281
1	1	43	2011	2	9	6.1395	224.049	6.8800	4.9123	36.4931	8.00	0.000959
1	1	43	2011	2	10	6.0830	221.987	6.8800	4.9123	36.4932	8.12	0.001996
1	1	43	2011	2	11	7.2104	263.129	6.8800	4.9123	36.4932	7.44	0.000819
1	1	43	2011	2	12	7.6849	280.448	6.8800	4.9123	36.4932	7.05	0.000002
1	1	43	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2011	2	14	0.6467	19.407	7.2800	5.1979	30.0117	32.28	0.000028
1	1	43	2011	2	15	0.2755	13.302	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2011	2	16	0.3642	16.411	6.6500	4.7481	45.0549	12.93	0.008198
1	1	43	2011	2	17	0.3868	18.276	6.6500	4.7481	47.2522	11.65	0.002544
1	1	43	2011	2	18	0.5467	30.990	6.6500	4.7481	56.6821	10.18	0.002699
1	1	43	2011	2	19	0.5898	33.429	6.6500	4.7481	56.6821	9.86	0.001293
1	1	43	2011	2	20	0.5659	36.647	6.6500	4.7481	64.7605	8.70	0.006032
1	1	43	2011	2	21	0.6967	45.116	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2011	2	22	0.9100	118.502	6.6500	4.7481	130.2221	6.58	0.010278
1	1	43	2011	2	23	1.1471	226.911	6.6500	4.7481	197.8148	6.28	0.036527
1	1	43	2011	2	24	8.8818	76.226	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2011	2	25	8.7538	238.368	6.8800	4.9123	27.2301	6.43	0.000303
1	1	43	2011	2	26	1.7829	174.258	6.6500	4.7481	97.7390	4.34	0.003655
1	1	43	2011	2	27	1.0785	29.367	6.6500	4.7481	27.2301	6.19	0.007008
1	1	43	2011	2	28	0.4796	21.091	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2011	3	1	0.4841	14.528	7.2800	5.3799	30.0117	24.09	0.281246
1	1	43	2011	3	2	0.3400	13.668	8.0600	5.7548	40.1957	18.52	0.101405
1	1	43	2011	3	3	0.5254	21.118	8.0600	5.7548	40.1957	18.52	0.337320
1	1	43	2011	3	4	1.0144	38.362	8.0600	5.7548	37.8166	14.25	0.103547
1	1	43	2011	3	5	1.4061	53.173	8.0600	5.7548	37.8166	14.25	0.047578
1	1	43	2011	3	6	2.0553	77.628	6.8800	4.9123	37.7707	10.10	0.027524

1	1	43	2011	3	7	2.1729	82.072	6.8800	4.9123	37.7707	9.36	0.000969
1	1	43	2011	3	8	1.9183	70.004	6.8800	4.9123	36.4932	9.33	0.000281
1	1	43	2011	3	9	2.2259	81.230	6.8800	4.9123	36.4931	8.00	0.000959
1	1	43	2011	3	10	2.2116	80.709	6.8800	4.9123	36.4932	8.12	0.001996
1	1	43	2011	3	11	2.4390	89.008	6.8800	4.9123	36.4932	7.44	0.000819
1	1	43	2011	3	12	2.6040	95.030	6.8800	4.9123	36.4932	7.05	0.000002
1	1	43	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2011	3	14	0.2424	7.274	7.2800	5.1979	30.0117	32.28	0.000028
1	1	43	2011	3	15	0.1554	7.503	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2011	3	16	1.9507	87.887	6.6500	4.7481	45.0549	12.93	0.008198
1	1	43	2011	3	17	2.0543	97.070	6.6500	4.7481	47.2522	11.65	0.002544
1	1	43	2011	3	18	2.8384	160.887	6.6500	4.7481	56.6821	10.18	0.002699
1	1	43	2011	3	19	3.0688	173.944	6.6500	4.7481	56.6821	9.86	0.001293
1	1	43	2011	3	20	3.5320	228.735	6.6500	4.7481	64.7605	8.70	0.006032
1	1	43	2011	3	21	4.3637	282.598	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2011	3	22	4.9913	649.982	6.6500	4.7481	130.2221	6.58	0.010278
1	1	43	2011	3	23	6.0111	1189.090	6.6500	4.7481	197.8148	6.28	0.036527
1	1	43	2011	3	24	2.0654	17.726	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2011	3	25	4.2932	116.905	6.8800	4.9123	27.2301	6.43	0.000303
1	1	43	2011	3	26	10.3439	1011.000	6.6500	4.7481	97.7390	4.34	0.003655
1	1	43	2011	3	27	7.1505	194.710	6.6500	4.7481	27.2301	6.19	0.007008
1	1	43	2011	3	28	0.5387	23.689	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	44	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	44	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	44	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	44	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	44	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	44	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	44	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	44	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	44	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	44	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	44	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	44	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	44	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	44	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	44	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	44	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	44	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	44	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	44	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	44	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303

1	1	44	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	44	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	44	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2011	1	1	0.3476	10.432	7.2800	5.3799	30.0117	24.09	0.281246
1	1	44	2011	1	2	0.2099	8.438	8.0600	5.7548	40.1957	18.52	0.101405
1	1	44	2011	1	3	0.2436	9.790	8.0600	5.7548	40.1957	18.52	0.337320
1	1	44	2011	1	4	0.5503	20.810	8.0600	5.7548	37.8166	14.25	0.103547
1	1	44	2011	1	5	0.6080	22.993	8.0600	5.7548	37.8166	14.25	0.047578
1	1	44	2011	1	6	0.2571	9.710	6.8800	4.9123	37.7707	10.10	0.027524
1	1	44	2011	1	7	0.2572	9.716	6.8800	4.9123	37.7707	9.36	0.000969
1	1	44	2011	1	8	0.2374	8.664	6.8800	4.9123	36.4932	9.33	0.000281
1	1	44	2011	1	9	0.2571	9.382	6.8800	4.9123	36.4931	8.00	0.000959
1	1	44	2011	1	10	0.2562	9.350	6.8800	4.9123	36.4932	8.12	0.001996
1	1	44	2011	1	11	0.2755	10.055	6.8800	4.9123	36.4932	7.44	0.000819
1	1	44	2011	1	12	0.2870	10.473	6.8800	4.9123	36.4932	7.05	0.000002
1	1	44	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2011	1	14	0.1098	3.297	7.2800	5.1979	30.0117	32.28	0.000028
1	1	44	2011	1	15	0.0791	3.819	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2011	1	16	0.1048	4.723	6.6500	4.7481	45.0549	12.93	0.008198
1	1	44	2011	1	17	0.1144	5.405	6.6500	4.7481	47.2522	11.65	0.002544
1	1	44	2011	1	18	0.1494	8.466	6.6500	4.7481	56.6821	10.18	0.002699
1	1	44	2011	1	19	0.1656	9.387	6.6500	4.7481	56.6821	9.86	0.001293
1	1	44	2011	1	20	0.1958	12.683	6.6500	4.7481	64.7605	8.70	0.006032
1	1	44	2011	1	21	0.2398	15.527	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2011	1	22	0.2507	32.651	6.6500	4.7481	130.2221	6.58	0.010278
1	1	44	2011	1	23	0.2952	58.402	6.6500	4.7481	197.8148	6.28	0.036527
1	1	44	2011	1	24	1.7464	14.988	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2011	1	25	0.4372	11.906	6.8800	4.9123	27.2301	6.43	0.000303
1	1	44	2011	1	26	0.2291	22.388	6.6500	4.7481	97.7390	4.34	0.003655
1	1	44	2011	1	27	0.3545	9.652	6.6500	4.7481	27.2301	6.19	0.007008
1	1	44	2011	1	28	0.2765	12.158	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2011	2	1	12.3290	370.015	7.2800	5.3799	30.0117	24.09	0.281246
1	1	44	2011	2	2	10.0849	405.370	8.0600	5.7548	40.1957	18.52	0.101405
1	1	44	2011	2	3	10.6958	429.924	8.0600	5.7548	40.1957	18.52	0.337320
1	1	44	2011	2	4	15.5217	586.978	8.0600	5.7548	37.8166	14.25	0.103547
1	1	44	2011	2	5	15.8111	597.922	8.0600	5.7548	37.8166	14.25	0.047578
1	1	44	2011	2	6	4.9437	186.729	6.8800	4.9123	37.7707	10.10	0.027524
1	1	44	2011	2	7	5.4867	207.235	6.8800	4.9123	37.7707	9.36	0.000969
1	1	44	2011	2	8	5.3041	193.564	6.8800	4.9123	36.4932	9.33	0.000281
1	1	44	2011	2	9	6.1814	225.579	6.8800	4.9123	36.4931	8.00	0.000959
1	1	44	2011	2	10	6.1245	223.503	6.8800	4.9123	36.4932	8.12	0.001996
1	1	44	2011	2	11	7.2596	264.926	6.8800	4.9123	36.4932	7.44	0.000819
1	1	44	2011	2	12	7.7374	282.362	6.8800	4.9123	36.4932	7.05	0.000002
1	1	44	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2011	2	14	0.6461	19.391	7.2800	5.1979	30.0117	32.28	0.000028
1	1	44	2011	2	15	0.2752	13.290	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2011	2	16	0.3637	16.385	6.6500	4.7481	45.0549	12.93	0.008198

1	1	44	2011	2	17	0.3862	18.246	6.6500	4.7481	47.2522	11.65	0.002544
1	1	44	2011	2	18	0.5459	30.940	6.6500	4.7481	56.6821	10.18	0.002699
1	1	44	2011	2	19	0.5888	33.375	6.6500	4.7481	56.6821	9.86	0.001293
1	1	44	2011	2	20	0.5650	36.588	6.6500	4.7481	64.7605	8.70	0.006032
1	1	44	2011	2	21	0.6955	45.044	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2011	2	22	0.9085	118.311	6.6500	4.7481	130.2221	6.58	0.010278
1	1	44	2011	2	23	1.1452	226.546	6.6500	4.7481	197.8148	6.28	0.036527
1	1	44	2011	2	24	8.8368	75.840	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2011	2	25	8.8136	239.996	6.8800	4.9123	27.2301	6.43	0.000303
1	1	44	2011	2	26	1.7800	173.977	6.6500	4.7481	97.7390	4.34	0.003655
1	1	44	2011	2	27	1.0767	29.320	6.6500	4.7481	27.2301	6.19	0.007008
1	1	44	2011	2	28	0.4792	21.073	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2011	3	1	0.4866	14.604	7.2800	5.3799	30.0117	24.09	0.281246
1	1	44	2011	3	2	0.3421	13.752	8.0600	5.7548	40.1957	18.52	0.101405
1	1	44	2011	3	3	0.5278	21.217	8.0600	5.7548	40.1957	18.52	0.337320
1	1	44	2011	3	4	1.0179	38.494	8.0600	5.7548	37.8166	14.25	0.103547
1	1	44	2011	3	5	1.4094	53.298	8.0600	5.7548	37.8166	14.25	0.047578
1	1	44	2011	3	6	2.0706	78.207	6.8800	4.9123	37.7707	10.10	0.027524
1	1	44	2011	3	7	2.1891	82.683	6.8800	4.9123	37.7707	9.36	0.000969
1	1	44	2011	3	8	1.9326	70.525	6.8800	4.9123	36.4932	9.33	0.000281
1	1	44	2011	3	9	2.2425	81.835	6.8800	4.9123	36.4931	8.00	0.000959
1	1	44	2011	3	10	2.2281	81.311	6.8800	4.9123	36.4932	8.12	0.001996
1	1	44	2011	3	11	2.4572	89.671	6.8800	4.9123	36.4932	7.44	0.000819
1	1	44	2011	3	12	2.6234	95.738	6.8800	4.9123	36.4932	7.05	0.000002
1	1	44	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2011	3	14	0.2472	7.418	7.2800	5.1979	30.0117	32.28	0.000028
1	1	44	2011	3	15	0.1585	7.653	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2011	3	16	1.9912	89.715	6.6500	4.7481	45.0549	12.93	0.008198
1	1	44	2011	3	17	2.0970	99.089	6.6500	4.7481	47.2522	11.65	0.002544
1	1	44	2011	3	18	2.8974	164.233	6.6500	4.7481	56.6821	10.18	0.002699
1	1	44	2011	3	19	3.1326	177.561	6.6500	4.7481	56.6821	9.86	0.001293
1	1	44	2011	3	20	3.6067	233.573	6.6500	4.7481	64.7605	8.70	0.006032
1	1	44	2011	3	21	4.4561	288.576	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2011	3	22	5.0930	663.215	6.6500	4.7481	130.2221	6.58	0.010278
1	1	44	2011	3	23	6.1312	1212.844	6.6500	4.7481	197.8148	6.28	0.036527
1	1	44	2011	3	24	2.0896	17.933	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2011	3	25	4.3252	117.775	6.8800	4.9123	27.2301	6.43	0.000303
1	1	44	2011	3	26	10.5649	1032.598	6.6500	4.7481	97.7390	4.34	0.003655
1	1	44	2011	3	27	7.3032	198.867	6.6500	4.7481	27.2301	6.19	0.007008
1	1	44	2011	3	28	0.5495	24.164	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	45	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	45	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	45	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	45	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	45	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	45	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969

1	1	45	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	45	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	45	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	45	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	45	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	45	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	45	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	45	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	45	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	45	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	45	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	45	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	45	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	45	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	45	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	45	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	45	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2011	1	1	0.3465	10.400	7.2800	5.3799	30.0117	24.09	0.281246
1	1	45	2011	1	2	0.2097	8.429	8.0600	5.7548	40.1957	18.52	0.101405
1	1	45	2011	1	3	0.2434	9.783	8.0600	5.7548	40.1957	18.52	0.337320
1	1	45	2011	1	4	0.5483	20.733	8.0600	5.7548	37.8166	14.25	0.103547
1	1	45	2011	1	5	0.6059	22.912	8.0600	5.7548	37.8166	14.25	0.047578
1	1	45	2011	1	6	0.2533	9.566	6.8800	4.9123	37.7707	10.10	0.027524
1	1	45	2011	1	7	0.2534	9.571	6.8800	4.9123	37.7707	9.36	0.000969
1	1	45	2011	1	8	0.2341	8.542	6.8800	4.9123	36.4932	9.33	0.000281
1	1	45	2011	1	9	0.2534	9.247	6.8800	4.9123	36.4931	8.00	0.000959
1	1	45	2011	1	10	0.2525	9.216	6.8800	4.9123	36.4932	8.12	0.001996
1	1	45	2011	1	11	0.2715	9.908	6.8800	4.9123	36.4932	7.44	0.000819
1	1	45	2011	1	12	0.2828	10.319	6.8800	4.9123	36.4932	7.05	0.000002
1	1	45	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2011	1	14	0.1090	3.272	7.2800	5.1979	30.0117	32.28	0.000028
1	1	45	2011	1	15	0.0784	3.787	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2011	1	16	0.1035	4.661	6.6500	4.7481	45.0549	12.93	0.008198
1	1	45	2011	1	17	0.1129	5.334	6.6500	4.7481	47.2522	11.65	0.002544
1	1	45	2011	1	18	0.1474	8.355	6.6500	4.7481	56.6821	10.18	0.002699
1	1	45	2011	1	19	0.1634	9.264	6.6500	4.7481	56.6821	9.86	0.001293
1	1	45	2011	1	20	0.1933	12.517	6.6500	4.7481	64.7605	8.70	0.006032
1	1	45	2011	1	21	0.2366	15.324	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2011	1	22	0.2475	32.224	6.6500	4.7481	130.2221	6.58	0.010278
1	1	45	2011	1	23	0.2914	57.637	6.6500	4.7481	197.8148	6.28	0.036527
1	1	45	2011	1	24	1.7428	14.957	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2011	1	25	0.4302	11.714	6.8800	4.9123	27.2301	6.43	0.000303
1	1	45	2011	1	26	0.2261	22.094	6.6500	4.7481	97.7390	4.34	0.003655

1	1	45	2011	1	27	0.3498	9.526	6.6500	4.7481	27.2301	6.19	0.007008
1	1	45	2011	1	28	0.2742	12.059	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2011	2	1	12.3926	371.924	7.2800	5.3799	30.0117	24.09	0.281246
1	1	45	2011	2	2	10.1426	407.689	8.0600	5.7548	40.1957	18.52	0.101405
1	1	45	2011	2	3	10.7580	432.426	8.0600	5.7548	40.1957	18.52	0.337320
1	1	45	2011	2	4	15.6150	590.506	8.0600	5.7548	37.8166	14.25	0.103547
1	1	45	2011	2	5	15.9056	601.495	8.0600	5.7548	37.8166	14.25	0.047578
1	1	45	2011	2	6	4.9759	187.942	6.8800	4.9123	37.7707	10.10	0.027524
1	1	45	2011	2	7	5.5223	208.581	6.8800	4.9123	37.7707	9.36	0.000969
1	1	45	2011	2	8	5.3386	194.822	6.8800	4.9123	36.4932	9.33	0.000281
1	1	45	2011	2	9	6.2216	227.045	6.8800	4.9123	36.4931	8.00	0.000959
1	1	45	2011	2	10	6.1643	224.955	6.8800	4.9123	36.4932	8.12	0.001996
1	1	45	2011	2	11	7.3068	266.647	6.8800	4.9123	36.4932	7.44	0.000819
1	1	45	2011	2	12	7.7877	284.197	6.8800	4.9123	36.4932	7.05	0.000002
1	1	45	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2011	2	14	0.6456	19.376	7.2800	5.1979	30.0117	32.28	0.000028
1	1	45	2011	2	15	0.2750	13.278	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2011	2	16	0.3631	16.359	6.6500	4.7481	45.0549	12.93	0.008198
1	1	45	2011	2	17	0.3856	18.218	6.6500	4.7481	47.2522	11.65	0.002544
1	1	45	2011	2	18	0.5450	30.893	6.6500	4.7481	56.6821	10.18	0.002699
1	1	45	2011	2	19	0.5879	33.323	6.6500	4.7481	56.6821	9.86	0.001293
1	1	45	2011	2	20	0.5641	36.532	6.6500	4.7481	64.7605	8.70	0.006032
1	1	45	2011	2	21	0.6945	44.974	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2011	2	22	0.9071	118.128	6.6500	4.7481	130.2221	6.58	0.010278
1	1	45	2011	2	23	1.1435	226.196	6.6500	4.7481	197.8148	6.28	0.036527
1	1	45	2011	2	24	8.7937	75.470	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2011	2	25	8.8709	241.555	6.8800	4.9123	27.2301	6.43	0.000303
1	1	45	2011	2	26	1.7773	173.709	6.6500	4.7481	97.7390	4.34	0.003655
1	1	45	2011	2	27	1.0751	29.275	6.6500	4.7481	27.2301	6.19	0.007008
1	1	45	2011	2	28	0.4788	21.056	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2011	3	1	0.4890	14.677	7.2800	5.3799	30.0117	24.09	0.281246
1	1	45	2011	3	2	0.3441	13.832	8.0600	5.7548	40.1957	18.52	0.101405
1	1	45	2011	3	3	0.5302	21.311	8.0600	5.7548	40.1957	18.52	0.337320
1	1	45	2011	3	4	1.0213	38.621	8.0600	5.7548	37.8166	14.25	0.103547
1	1	45	2011	3	5	1.4126	53.419	8.0600	5.7548	37.8166	14.25	0.047578
1	1	45	2011	3	6	2.0852	78.761	6.8800	4.9123	37.7707	10.10	0.027524
1	1	45	2011	3	7	2.2046	83.269	6.8800	4.9123	37.7707	9.36	0.000969
1	1	45	2011	3	8	1.9463	71.025	6.8800	4.9123	36.4932	9.33	0.000281
1	1	45	2011	3	9	2.2584	82.415	6.8800	4.9123	36.4931	8.00	0.000959
1	1	45	2011	3	10	2.2439	81.887	6.8800	4.9123	36.4932	8.12	0.001996
1	1	45	2011	3	11	2.4746	90.307	6.8800	4.9123	36.4932	7.44	0.000819
1	1	45	2011	3	12	2.6420	96.416	6.8800	4.9123	36.4932	7.05	0.000002
1	1	45	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2011	3	14	0.2518	7.557	7.2800	5.1979	30.0117	32.28	0.000028
1	1	45	2011	3	15	0.1615	7.797	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2011	3	16	2.0301	91.467	6.6500	4.7481	45.0549	12.93	0.008198
1	1	45	2011	3	17	2.1380	101.023	6.6500	4.7481	47.2522	11.65	0.002544

1	1	45	2011	3	18	2.9540	167.440	6.6500	4.7481	56.6821	10.18	0.002699
1	1	45	2011	3	19	3.1937	181.028	6.6500	4.7481	56.6821	9.86	0.001293
1	1	45	2011	3	20	3.6783	238.209	6.6500	4.7481	64.7605	8.70	0.006032
1	1	45	2011	3	21	4.5445	294.305	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2011	3	22	5.1903	675.897	6.6500	4.7481	130.2221	6.58	0.010278
1	1	45	2011	3	23	6.2463	1235.607	6.6500	4.7481	197.8148	6.28	0.036527
1	1	45	2011	3	24	2.1127	18.132	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2011	3	25	4.3558	118.610	6.8800	4.9123	27.2301	6.43	0.000303
1	1	45	2011	3	26	10.7766	1053.297	6.6500	4.7481	97.7390	4.34	0.003655
1	1	45	2011	3	27	7.4495	202.851	6.6500	4.7481	27.2301	6.19	0.007008
1	1	45	2011	3	28	0.5599	24.619	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	46	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	46	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	46	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	46	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	46	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	46	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	46	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	46	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	46	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	46	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	46	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	46	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	46	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	46	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	46	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	46	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	46	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	46	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	46	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	46	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	46	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	46	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	46	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2011	1	1	0.3455	10.368	7.2800	5.3799	30.0117	24.09	0.281246
1	1	46	2011	1	2	0.2095	8.420	8.0600	5.7548	40.1957	18.52	0.101405
1	1	46	2011	1	3	0.2432	9.777	8.0600	5.7548	40.1957	18.52	0.337320
1	1	46	2011	1	4	0.5463	20.660	8.0600	5.7548	37.8166	14.25	0.103547
1	1	46	2011	1	5	0.6038	22.835	8.0600	5.7548	37.8166	14.25	0.047578
1	1	46	2011	1	6	0.2496	9.427	6.8800	4.9123	37.7707	10.10	0.027524
1	1	46	2011	1	7	0.2497	9.433	6.8800	4.9123	37.7707	9.36	0.000969
1	1	46	2011	1	8	0.2309	8.425	6.8800	4.9123	36.4932	9.33	0.000281

1	1	46	2011	1	9	0.2498	9.118	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	46	2011	1	10	0.2490	9.087	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	46	2011	1	11	0.2676	9.767	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	46	2011	1	12	0.2787	10.170	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	46	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	46	2011	1	14	0.1082	3.248	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	46	2011	1	15	0.0778	3.757	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	46	2011	1	16	0.1021	4.602	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	46	2011	1	17	0.1114	5.266	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	46	2011	1	18	0.1455	8.249	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	46	2011	1	19	0.1614	9.146	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	46	2011	1	20	0.1908	12.358	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	46	2011	1	21	0.2336	15.129	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	46	2011	1	22	0.2443	31.814	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	46	2011	1	23	0.2877	56.904	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	46	2011	1	24	1.7393	14.927	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	46	2011	1	25	0.4234	11.530	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	46	2011	1	26	0.2232	21.813	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	46	2011	1	27	0.3454	9.405	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	46	2011	1	28	0.2721	11.965	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	46	2011	2	1	12.4537	373.756	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	46	2011	2	2	10.1979	409.913	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	46	2011	2	3	10.8177	434.826	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	46	2011	2	4	15.7045	593.890	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	46	2011	2	5	15.9962	604.923	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	46	2011	2	6	5.0067	189.106	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	46	2011	2	7	5.5565	209.873	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	46	2011	2	8	5.3716	196.028	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	46	2011	2	9	6.2601	228.451	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	46	2011	2	10	6.2025	226.348	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	46	2011	2	11	7.3520	268.298	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	46	2011	2	12	7.8359	285.957	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	46	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	46	2011	2	14	0.6451	19.361	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	46	2011	2	15	0.2748	13.267	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	46	2011	2	16	0.3626	16.335	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	46	2011	2	17	0.3850	18.191	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	46	2011	2	18	0.5442	30.847	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	46	2011	2	19	0.5870	33.274	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	46	2011	2	20	0.5633	36.478	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	46	2011	2	21	0.6934	44.907	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	46	2011	2	22	0.9058	117.953	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	46	2011	2	23	1.1418	225.860	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	46	2011	2	24	8.7524	75.115	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	46	2011	2	25	8.9258	243.051	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	46	2011	2	26	1.7746	173.451	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	46	2011	2	27	1.0735	29.231	6.6500	4.7481	27.2301	6.19
0.007008											

1	1	46	2011	2	28	0.4784	21.039	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2011	3	1	0.4914	14.747	7.2800	5.3799	30.0117	24.09	0.281246
1	1	46	2011	3	2	0.3460	13.910	8.0600	5.7548	40.1957	18.52	0.101405
1	1	46	2011	3	3	0.5324	21.402	8.0600	5.7548	40.1957	18.52	0.337320
1	1	46	2011	3	4	1.0245	38.742	8.0600	5.7548	37.8166	14.25	0.103547
1	1	46	2011	3	5	1.4156	53.534	8.0600	5.7548	37.8166	14.25	0.047578
1	1	46	2011	3	6	2.0993	79.292	6.8800	4.9123	37.7707	10.10	0.027524
1	1	46	2011	3	7	2.2195	83.831	6.8800	4.9123	37.7707	9.36	0.000969
1	1	46	2011	3	8	1.9594	71.504	6.8800	4.9123	36.4932	9.33	0.000281
1	1	46	2011	3	9	2.2736	82.971	6.8800	4.9123	36.4931	8.00	0.000959
1	1	46	2011	3	10	2.2590	82.439	6.8800	4.9123	36.4932	8.12	0.001996
1	1	46	2011	3	11	2.4913	90.916	6.8800	4.9123	36.4932	7.44	0.000819
1	1	46	2011	3	12	2.6599	97.067	6.8800	4.9123	36.4932	7.05	0.000002
1	1	46	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2011	3	14	0.2562	7.689	7.2800	5.1979	30.0117	32.28	0.000028
1	1	46	2011	3	15	0.1643	7.935	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2011	3	16	2.0674	93.147	6.6500	4.7481	45.0549	12.93	0.008198
1	1	46	2011	3	17	2.1772	102.879	6.6500	4.7481	47.2522	11.65	0.002544
1	1	46	2011	3	18	3.0083	170.515	6.6500	4.7481	56.6821	10.18	0.002699
1	1	46	2011	3	19	3.2524	184.353	6.6500	4.7481	56.6821	9.86	0.001293
1	1	46	2011	3	20	3.7470	242.656	6.6500	4.7481	64.7605	8.70	0.006032
1	1	46	2011	3	21	4.6294	299.799	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2011	3	22	5.2838	688.062	6.6500	4.7481	130.2221	6.58	0.010278
1	1	46	2011	3	23	6.3567	1257.442	6.6500	4.7481	197.8148	6.28	0.036527
1	1	46	2011	3	24	2.1349	18.322	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2011	3	25	4.3852	119.410	6.8800	4.9123	27.2301	6.43	0.000303
1	1	46	2011	3	26	10.9798	1073.151	6.6500	4.7481	97.7390	4.34	0.003655
1	1	46	2011	3	27	7.5898	206.672	6.6500	4.7481	27.2301	6.19	0.007008
1	1	46	2011	3	28	0.5698	25.056	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	47	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	47	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	47	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	47	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	47	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	47	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	47	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	47	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	47	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	47	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	47	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	47	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	47	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	47	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	47	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699

1	1	47	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	47	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	47	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	47	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	47	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	47	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	47	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	47	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2011	1	1	0.3445	10.338	7.2800	5.3799	30.0117	24.09	0.281246
1	1	47	2011	1	2	0.2093	8.411	8.0600	5.7548	40.1957	18.52	0.101405
1	1	47	2011	1	3	0.2431	9.771	8.0600	5.7548	40.1957	18.52	0.337320
1	1	47	2011	1	4	0.5445	20.590	8.0600	5.7548	37.8166	14.25	0.103547
1	1	47	2011	1	5	0.6019	22.761	8.0600	5.7548	37.8166	14.25	0.047578
1	1	47	2011	1	6	0.2461	9.294	6.8800	4.9123	37.7707	10.10	0.027524
1	1	47	2011	1	7	0.2462	9.299	6.8800	4.9123	37.7707	9.36	0.000969
1	1	47	2011	1	8	0.2278	8.313	6.8800	4.9123	36.4932	9.33	0.000281
1	1	47	2011	1	9	0.2464	8.994	6.8800	4.9123	36.4931	8.00	0.000959
1	1	47	2011	1	10	0.2456	8.963	6.8800	4.9123	36.4932	8.12	0.001996
1	1	47	2011	1	11	0.2639	9.632	6.8800	4.9123	36.4932	7.44	0.000819
1	1	47	2011	1	12	0.2748	10.028	6.8800	4.9123	36.4932	7.05	0.000002
1	1	47	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2011	1	14	0.1075	3.226	7.2800	5.1979	30.0117	32.28	0.000028
1	1	47	2011	1	15	0.0772	3.728	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2011	1	16	0.1009	4.545	6.6500	4.7481	45.0549	12.93	0.008198
1	1	47	2011	1	17	0.1101	5.201	6.6500	4.7481	47.2522	11.65	0.002544
1	1	47	2011	1	18	0.1437	8.147	6.6500	4.7481	56.6821	10.18	0.002699
1	1	47	2011	1	19	0.1594	9.033	6.6500	4.7481	56.6821	9.86	0.001293
1	1	47	2011	1	20	0.1885	12.205	6.6500	4.7481	64.7605	8.70	0.006032
1	1	47	2011	1	21	0.2307	14.941	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2011	1	22	0.2413	31.420	6.6500	4.7481	130.2221	6.58	0.010278
1	1	47	2011	1	23	0.2841	56.200	6.6500	4.7481	197.8148	6.28	0.036527
1	1	47	2011	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2011	1	25	0.4169	11.353	6.8800	4.9123	27.2301	6.43	0.000303
1	1	47	2011	1	26	0.2204	21.543	6.6500	4.7481	97.7390	4.34	0.003655
1	1	47	2011	1	27	0.3411	9.288	6.6500	4.7481	27.2301	6.19	0.007008
1	1	47	2011	1	28	0.2700	11.875	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2011	2	1	12.5122	375.514	7.2800	5.3799	30.0117	24.09	0.281246
1	1	47	2011	2	2	10.2511	412.048	8.0600	5.7548	40.1957	18.52	0.101405
1	1	47	2011	2	3	10.8751	437.130	8.0600	5.7548	40.1957	18.52	0.337320
1	1	47	2011	2	4	15.7904	597.139	8.0600	5.7548	37.8166	14.25	0.103547
1	1	47	2011	2	5	16.0832	608.213	8.0600	5.7548	37.8166	14.25	0.047578
1	1	47	2011	2	6	5.0363	190.223	6.8800	4.9123	37.7707	10.10	0.027524
1	1	47	2011	2	7	5.5893	211.113	6.8800	4.9123	37.7707	9.36	0.000969
1	1	47	2011	2	8	5.4034	197.186	6.8800	4.9123	36.4932	9.33	0.000281
1	1	47	2011	2	9	6.2971	229.800	6.8800	4.9123	36.4931	8.00	0.000959

1	1	47	2011	2	10	6.2391	227.685	6.8800	4.9123	36.4932	8.12	0.001996
1	1	47	2011	2	11	7.3955	269.884	6.8800	4.9123	36.4932	7.44	0.000819
1	1	47	2011	2	12	7.8822	287.647	6.8800	4.9123	36.4932	7.05	0.000002
1	1	47	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2011	2	14	0.6446	19.347	7.2800	5.1979	30.0117	32.28	0.000028
1	1	47	2011	2	15	0.2745	13.256	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2011	2	16	0.3620	16.312	6.6500	4.7481	45.0549	12.93	0.008198
1	1	47	2011	2	17	0.3844	18.165	6.6500	4.7481	47.2522	11.65	0.002544
1	1	47	2011	2	18	0.5434	30.803	6.6500	4.7481	56.6821	10.18	0.002699
1	1	47	2011	2	19	0.5862	33.226	6.6500	4.7481	56.6821	9.86	0.001293
1	1	47	2011	2	20	0.5625	36.426	6.6500	4.7481	64.7605	8.70	0.006032
1	1	47	2011	2	21	0.6924	44.843	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2011	2	22	0.9045	117.784	6.6500	4.7481	130.2221	6.58	0.010278
1	1	47	2011	2	23	1.1401	225.538	6.6500	4.7481	197.8148	6.28	0.036527
1	1	47	2011	2	24	8.7127	74.774	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2011	2	25	8.9785	244.487	6.8800	4.9123	27.2301	6.43	0.000303
1	1	47	2011	2	26	1.7721	173.203	6.6500	4.7481	97.7390	4.34	0.003655
1	1	47	2011	2	27	1.0720	29.189	6.6500	4.7481	27.2301	6.19	0.007008
1	1	47	2011	2	28	0.4781	21.023	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2011	3	1	0.4936	14.814	7.2800	5.3799	30.0117	24.09	0.281246
1	1	47	2011	3	2	0.3479	13.984	8.0600	5.7548	40.1957	18.52	0.101405
1	1	47	2011	3	3	0.5346	21.489	8.0600	5.7548	40.1957	18.52	0.337320
1	1	47	2011	3	4	1.0276	38.859	8.0600	5.7548	37.8166	14.25	0.103547
1	1	47	2011	3	5	1.4186	53.645	8.0600	5.7548	37.8166	14.25	0.047578
1	1	47	2011	3	6	2.1128	79.802	6.8800	4.9123	37.7707	10.10	0.027524
1	1	47	2011	3	7	2.2337	84.370	6.8800	4.9123	37.7707	9.36	0.000969
1	1	47	2011	3	8	1.9720	71.964	6.8800	4.9123	36.4932	9.33	0.000281
1	1	47	2011	3	9	2.2882	83.505	6.8800	4.9123	36.4931	8.00	0.000959
1	1	47	2011	3	10	2.2736	82.970	6.8800	4.9123	36.4932	8.12	0.001996
1	1	47	2011	3	11	2.5074	91.501	6.8800	4.9123	36.4932	7.44	0.000819
1	1	47	2011	3	12	2.6770	97.691	6.8800	4.9123	36.4932	7.05	0.000002
1	1	47	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2011	3	14	0.2605	7.817	7.2800	5.1979	30.0117	32.28	0.000028
1	1	47	2011	3	15	0.1671	8.068	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2011	3	16	2.1032	94.760	6.6500	4.7481	45.0549	12.93	0.008198
1	1	47	2011	3	17	2.2149	104.660	6.6500	4.7481	47.2522	11.65	0.002544
1	1	47	2011	3	18	3.0604	173.468	6.6500	4.7481	56.6821	10.18	0.002699
1	1	47	2011	3	19	3.3087	187.546	6.6500	4.7481	56.6821	9.86	0.001293
1	1	47	2011	3	20	3.8129	246.926	6.6500	4.7481	64.7605	8.70	0.006032
1	1	47	2011	3	21	4.7108	305.075	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2011	3	22	5.3734	699.739	6.6500	4.7481	130.2221	6.58	0.010278
1	1	47	2011	3	23	6.4626	1278.403	6.6500	4.7481	197.8148	6.28	0.036527
1	1	47	2011	3	24	2.1562	18.505	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2011	3	25	4.4134	120.179	6.8800	4.9123	27.2301	6.43	0.000303
1	1	47	2011	3	26	11.1748	1092.211	6.6500	4.7481	97.7390	4.34	0.003655
1	1	47	2011	3	27	7.7245	210.340	6.6500	4.7481	27.2301	6.19	0.007008
1	1	47	2011	3	28	0.5793	25.475	8.0600	5.7548	43.9743	17.00	0.002242

1	1	48	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	48	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	48	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	48	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	48	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	48	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	48	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	48	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	48	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	48	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	48	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	48	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	48	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	48	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	48	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	48	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	48	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	48	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	48	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	48	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	48	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	48	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	48	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	48	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2011	1	1	0.3432	10.300	7.2800	5.3799	30.0117	24.09	0.281246
1	1	48	2011	1	2	0.2089	8.399	8.0600	5.7548	40.1957	18.52	0.101405
1	1	48	2011	1	3	0.2428	9.761	8.0600	5.7548	40.1957	18.52	0.337320
1	1	48	2011	1	4	0.5422	20.503	8.0600	5.7548	37.8166	14.25	0.103547
1	1	48	2011	1	5	0.5995	22.670	8.0600	5.7548	37.8166	14.25	0.047578
1	1	48	2011	1	6	0.2431	9.183	6.8800	4.9123	37.7707	10.10	0.027524
1	1	48	2011	1	7	0.2433	9.188	6.8800	4.9123	37.7707	9.36	0.000969
1	1	48	2011	1	8	0.2253	8.220	6.8800	4.9123	36.4932	9.33	0.000281
1	1	48	2011	1	9	0.2437	8.894	6.8800	4.9123	36.4931	8.00	0.000959
1	1	48	2011	1	10	0.2429	8.864	6.8800	4.9123	36.4932	8.12	0.001996
1	1	48	2011	1	11	0.2610	9.525	6.8800	4.9123	36.4932	7.44	0.000819
1	1	48	2011	1	12	0.2718	9.918	6.8800	4.9123	36.4932	7.05	0.000002
1	1	48	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2011	1	14	0.1069	3.209	7.2800	5.1979	30.0117	32.28	0.000028
1	1	48	2011	1	15	0.0768	3.707	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2011	1	16	0.0999	4.503	6.6500	4.7481	45.0549	12.93	0.008198
1	1	48	2011	1	17	0.1090	5.152	6.6500	4.7481	47.2522	11.65	0.002544
1	1	48	2011	1	18	0.1424	8.071	6.6500	4.7481	56.6821	10.18	0.002699
1	1	48	2011	1	19	0.1579	8.949	6.6500	4.7481	56.6821	9.86	0.001293

1	1	48	2011	1	20	0.1867	12.091	6.6500	4.7481	64.7605	8.70	0.006032
1	1	48	2011	1	21	0.2286	14.803	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2011	1	22	0.2390	31.128	6.6500	4.7481	130.2221	6.58	0.010278
1	1	48	2011	1	23	0.2815	55.678	6.6500	4.7481	197.8148	6.28	0.036527
1	1	48	2011	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2011	1	25	0.4115	11.206	6.8800	4.9123	27.2301	6.43	0.000303
1	1	48	2011	1	26	0.2184	21.343	6.6500	4.7481	97.7390	4.34	0.003655
1	1	48	2011	1	27	0.3379	9.202	6.6500	4.7481	27.2301	6.19	0.007008
1	1	48	2011	1	28	0.2685	11.808	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2011	2	1	12.5810	377.579	7.2800	5.3799	30.0117	24.09	0.281246
1	1	48	2011	2	2	10.3134	414.556	8.0600	5.7548	40.1957	18.52	0.101405
1	1	48	2011	2	3	10.9424	439.836	8.0600	5.7548	40.1957	18.52	0.337320
1	1	48	2011	2	4	15.8913	600.955	8.0600	5.7548	37.8166	14.25	0.103547
1	1	48	2011	2	5	16.1854	612.077	8.0600	5.7548	37.8166	14.25	0.047578
1	1	48	2011	2	6	5.1356	193.975	6.8800	4.9123	37.7707	10.10	0.027524
1	1	48	2011	2	7	5.6996	215.277	6.8800	4.9123	37.7707	9.36	0.000969
1	1	48	2011	2	8	5.5099	201.075	6.8800	4.9123	36.4932	9.33	0.000281
1	1	48	2011	2	9	6.4213	234.333	6.8800	4.9123	36.4931	8.00	0.000959
1	1	48	2011	2	10	6.3622	232.176	6.8800	4.9123	36.4932	8.12	0.001996
1	1	48	2011	2	11	7.5413	275.206	6.8800	4.9123	36.4932	7.44	0.000819
1	1	48	2011	2	12	8.0377	293.320	6.8800	4.9123	36.4932	7.05	0.000002
1	1	48	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2011	2	14	0.6474	19.429	7.2800	5.1979	30.0117	32.28	0.000028
1	1	48	2011	2	15	0.2758	13.319	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2011	2	16	0.3650	16.447	6.6500	4.7481	45.0549	12.93	0.008198
1	1	48	2011	2	17	0.3876	18.316	6.6500	4.7481	47.2522	11.65	0.002544
1	1	48	2011	2	18	0.5479	31.058	6.6500	4.7481	56.6821	10.18	0.002699
1	1	48	2011	2	19	0.5910	33.502	6.6500	4.7481	56.6821	9.86	0.001293
1	1	48	2011	2	20	0.5671	36.728	6.6500	4.7481	64.7605	8.70	0.006032
1	1	48	2011	2	21	0.6982	45.215	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2011	2	22	0.9120	118.762	6.6500	4.7481	130.2221	6.58	0.010278
1	1	48	2011	2	23	1.1496	227.409	6.6500	4.7481	197.8148	6.28	0.036527
1	1	48	2011	2	24	8.7127	74.774	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2011	2	25	9.1556	249.309	6.8800	4.9123	27.2301	6.43	0.000303
1	1	48	2011	2	26	1.7868	174.640	6.6500	4.7481	97.7390	4.34	0.003655
1	1	48	2011	2	27	1.0808	29.432	6.6500	4.7481	27.2301	6.19	0.007008
1	1	48	2011	2	28	0.4802	21.116	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2011	3	1	0.4963	14.895	7.2800	5.3799	30.0117	24.09	0.281246
1	1	48	2011	3	2	0.3501	14.072	8.0600	5.7548	40.1957	18.52	0.101405
1	1	48	2011	3	3	0.5372	21.594	8.0600	5.7548	40.1957	18.52	0.337320
1	1	48	2011	3	4	1.0314	39.005	8.0600	5.7548	37.8166	14.25	0.103547
1	1	48	2011	3	5	1.4226	53.797	8.0600	5.7548	37.8166	14.25	0.047578
1	1	48	2011	3	6	2.1287	80.402	6.8800	4.9123	37.7707	10.10	0.027524
1	1	48	2011	3	7	2.2505	85.004	6.8800	4.9123	37.7707	9.36	0.000969
1	1	48	2011	3	8	1.9868	72.505	6.8800	4.9123	36.4932	9.33	0.000281
1	1	48	2011	3	9	2.3054	84.132	6.8800	4.9123	36.4931	8.00	0.000959
1	1	48	2011	3	10	2.2906	83.593	6.8800	4.9123	36.4932	8.12	0.001996

1	1	48	2011	3	11	2.5262	92.188	6.8800	4.9123	36.4932	7.44	0.000819
1	1	48	2011	3	12	2.6971	98.425	6.8800	4.9123	36.4932	7.05	0.000002
1	1	48	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2011	3	14	0.2681	8.046	7.2800	5.1979	30.0117	32.28	0.000028
1	1	48	2011	3	15	0.1720	8.306	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2011	3	16	2.1676	97.661	6.6500	4.7481	45.0549	12.93	0.008198
1	1	48	2011	3	17	2.2827	107.865	6.6500	4.7481	47.2522	11.65	0.002544
1	1	48	2011	3	18	3.1541	178.780	6.6500	4.7481	56.6821	10.18	0.002699
1	1	48	2011	3	19	3.4100	193.288	6.6500	4.7481	56.6821	9.86	0.001293
1	1	48	2011	3	20	3.9315	254.606	6.6500	4.7481	64.7605	8.70	0.006032
1	1	48	2011	3	21	4.8573	314.564	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2011	3	22	5.5348	720.747	6.6500	4.7481	130.2221	6.58	0.010278
1	1	48	2011	3	23	6.6532	1316.111	6.6500	4.7481	197.8148	6.28	0.036527
1	1	48	2011	3	24	2.2044	18.919	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2011	3	25	4.4466	121.081	6.8800	4.9123	27.2301	6.43	0.000303
1	1	48	2011	3	26	11.5256	1126.498	6.6500	4.7481	97.7390	4.34	0.003655
1	1	48	2011	3	27	7.9669	216.939	6.6500	4.7481	27.2301	6.19	0.007008
1	1	48	2011	3	28	0.5965	26.229	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	49	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	49	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	49	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	49	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	49	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	49	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	49	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	49	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	49	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	49	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	49	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	49	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	49	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	49	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	49	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	49	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	49	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	49	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	49	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	49	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	49	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	49	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	49	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2011	1	1	0.3420	10.263	7.2800	5.3799	30.0117	24.09	0.281246

1	1	49	2011	1	2	0.2086	8.387	8.0600	5.7548	40.1957	18.52	0.101405
1	1	49	2011	1	3	0.2426	9.753	8.0600	5.7548	40.1957	18.52	0.337320
1	1	49	2011	1	4	0.5400	20.419	8.0600	5.7548	37.8166	14.25	0.103547
1	1	49	2011	1	5	0.5971	22.582	8.0600	5.7548	37.8166	14.25	0.047578
1	1	49	2011	1	6	0.2403	9.076	6.8800	4.9123	37.7707	10.10	0.027524
1	1	49	2011	1	7	0.2404	9.081	6.8800	4.9123	37.7707	9.36	0.000969
1	1	49	2011	1	8	0.2228	8.131	6.8800	4.9123	36.4932	9.33	0.000281
1	1	49	2011	1	9	0.2411	8.798	6.8800	4.9123	36.4931	8.00	0.000959
1	1	49	2011	1	10	0.2403	8.768	6.8800	4.9123	36.4932	8.12	0.001996
1	1	49	2011	1	11	0.2582	9.423	6.8800	4.9123	36.4932	7.44	0.000819
1	1	49	2011	1	12	0.2689	9.812	6.8800	4.9123	36.4932	7.05	0.000002
1	1	49	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2011	1	14	0.1064	3.192	7.2800	5.1979	30.0117	32.28	0.000028
1	1	49	2011	1	15	0.0763	3.686	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2011	1	16	0.0990	4.462	6.6500	4.7481	45.0549	12.93	0.008198
1	1	49	2011	1	17	0.1081	5.106	6.6500	4.7481	47.2522	11.65	0.002544
1	1	49	2011	1	18	0.1411	7.998	6.6500	4.7481	56.6821	10.18	0.002699
1	1	49	2011	1	19	0.1565	8.869	6.6500	4.7481	56.6821	9.86	0.001293
1	1	49	2011	1	20	0.1850	11.982	6.6500	4.7481	64.7605	8.70	0.006032
1	1	49	2011	1	21	0.2265	14.669	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2011	1	22	0.2369	30.848	6.6500	4.7481	130.2221	6.58	0.010278
1	1	49	2011	1	23	0.2789	55.176	6.6500	4.7481	197.8148	6.28	0.036527
1	1	49	2011	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2011	1	25	0.4064	11.066	6.8800	4.9123	27.2301	6.43	0.000303
1	1	49	2011	1	26	0.2164	21.151	6.6500	4.7481	97.7390	4.34	0.003655
1	1	49	2011	1	27	0.3349	9.119	6.6500	4.7481	27.2301	6.19	0.007008
1	1	49	2011	1	28	0.2671	11.744	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2011	2	1	12.6472	379.564	7.2800	5.3799	30.0117	24.09	0.281246
1	1	49	2011	2	2	10.3734	416.967	8.0600	5.7548	40.1957	18.52	0.101405
1	1	49	2011	2	3	11.0071	442.438	8.0600	5.7548	40.1957	18.52	0.337320
1	1	49	2011	2	4	15.9883	604.623	8.0600	5.7548	37.8166	14.25	0.103547
1	1	49	2011	2	5	16.2836	615.793	8.0600	5.7548	37.8166	14.25	0.047578
1	1	49	2011	2	6	5.2311	197.582	6.8800	4.9123	37.7707	10.10	0.027524
1	1	49	2011	2	7	5.8056	219.280	6.8800	4.9123	37.7707	9.36	0.000969
1	1	49	2011	2	8	5.6124	204.815	6.8800	4.9123	36.4932	9.33	0.000281
1	1	49	2011	2	9	6.5407	238.691	6.8800	4.9123	36.4931	8.00	0.000959
1	1	49	2011	2	10	6.4805	236.494	6.8800	4.9123	36.4932	8.12	0.001996
1	1	49	2011	2	11	7.6816	280.325	6.8800	4.9123	36.4932	7.44	0.000819
1	1	49	2011	2	12	8.1871	298.775	6.8800	4.9123	36.4932	7.05	0.000002
1	1	49	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2011	2	14	0.6500	19.508	7.2800	5.1979	30.0117	32.28	0.000028
1	1	49	2011	2	15	0.2771	13.379	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2011	2	16	0.3679	16.577	6.6500	4.7481	45.0549	12.93	0.008198
1	1	49	2011	2	17	0.3907	18.461	6.6500	4.7481	47.2522	11.65	0.002544
1	1	49	2011	2	18	0.5523	31.304	6.6500	4.7481	56.6821	10.18	0.002699
1	1	49	2011	2	19	0.5957	33.767	6.6500	4.7481	56.6821	9.86	0.001293
1	1	49	2011	2	20	0.5716	37.019	6.6500	4.7481	64.7605	8.70	0.006032

1	1	49	2011	2	21	0.7037	45.573	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2011	2	22	0.9192	119.702	6.6500	4.7481	130.2221	6.58	0.010278
1	1	49	2011	2	23	1.1587	229.209	6.6500	4.7481	197.8148	6.28	0.036527
1	1	49	2011	2	24	8.7127	74.774	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2011	2	25	9.3259	253.945	6.8800	4.9123	27.2301	6.43	0.000303
1	1	49	2011	2	26	1.8009	176.022	6.6500	4.7481	97.7390	4.34	0.003655
1	1	49	2011	2	27	1.0894	29.665	6.6500	4.7481	27.2301	6.19	0.007008
1	1	49	2011	2	28	0.4822	21.206	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2011	3	1	0.4989	14.973	7.2800	5.3799	30.0117	24.09	0.281246
1	1	49	2011	3	2	0.3522	14.157	8.0600	5.7548	40.1957	18.52	0.101405
1	1	49	2011	3	3	0.5397	21.695	8.0600	5.7548	40.1957	18.52	0.337320
1	1	49	2011	3	4	1.0351	39.146	8.0600	5.7548	37.8166	14.25	0.103547
1	1	49	2011	3	5	1.4264	53.942	8.0600	5.7548	37.8166	14.25	0.047578
1	1	49	2011	3	6	2.1439	80.978	6.8800	4.9123	37.7707	10.10	0.027524
1	1	49	2011	3	7	2.2666	85.613	6.8800	4.9123	37.7707	9.36	0.000969
1	1	49	2011	3	8	2.0010	73.024	6.8800	4.9123	36.4932	9.33	0.000281
1	1	49	2011	3	9	2.3219	84.735	6.8800	4.9123	36.4931	8.00	0.000959
1	1	49	2011	3	10	2.3071	84.192	6.8800	4.9123	36.4932	8.12	0.001996
1	1	49	2011	3	11	2.5443	92.849	6.8800	4.9123	36.4932	7.44	0.000819
1	1	49	2011	3	12	2.7164	99.130	6.8800	4.9123	36.4932	7.05	0.000002
1	1	49	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2011	3	14	0.2754	8.266	7.2800	5.1979	30.0117	32.28	0.000028
1	1	49	2011	3	15	0.1768	8.536	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2011	3	16	2.2295	100.451	6.6500	4.7481	45.0549	12.93	0.008198
1	1	49	2011	3	17	2.3480	110.946	6.6500	4.7481	47.2522	11.65	0.002544
1	1	49	2011	3	18	3.2442	183.887	6.6500	4.7481	56.6821	10.18	0.002699
1	1	49	2011	3	19	3.5075	198.810	6.6500	4.7481	56.6821	9.86	0.001293
1	1	49	2011	3	20	4.0455	261.990	6.6500	4.7481	64.7605	8.70	0.006032
1	1	49	2011	3	21	4.9982	323.688	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2011	3	22	5.6899	740.946	6.6500	4.7481	130.2221	6.58	0.010278
1	1	49	2011	3	23	6.8365	1352.368	6.6500	4.7481	197.8148	6.28	0.036527
1	1	49	2011	3	24	2.2507	19.316	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2011	3	25	4.4784	121.949	6.8800	4.9123	27.2301	6.43	0.000303
1	1	49	2011	3	26	11.8629	1159.467	6.6500	4.7481	97.7390	4.34	0.003655
1	1	49	2011	3	27	8.1999	223.285	6.6500	4.7481	27.2301	6.19	0.007008
1	1	49	2011	3	28	0.6129	26.954	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	50	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	50	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	50	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	50	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	50	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	50	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	50	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	50	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	50	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	50	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819

1	1	50	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	50	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	50	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	50	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	50	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	50	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	50	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	50	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	50	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	50	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	50	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	50	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	50	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2011	1	1	0.3408	10.227	7.2800	5.3799	30.0117	24.09	0.281246
1	1	50	2011	1	2	0.2084	8.375	8.0600	5.7548	40.1957	18.52	0.101405
1	1	50	2011	1	3	0.2424	9.744	8.0600	5.7548	40.1957	18.52	0.337320
1	1	50	2011	1	4	0.5378	20.339	8.0600	5.7548	37.8166	14.25	0.103547
1	1	50	2011	1	5	0.5949	22.497	8.0600	5.7548	37.8166	14.25	0.047578
1	1	50	2011	1	6	0.2376	8.973	6.8800	4.9123	37.7707	10.10	0.027524
1	1	50	2011	1	7	0.2377	8.978	6.8800	4.9123	37.7707	9.36	0.000969
1	1	50	2011	1	8	0.2205	8.046	6.8800	4.9123	36.4932	9.33	0.000281
1	1	50	2011	1	9	0.2386	8.706	6.8800	4.9123	36.4931	8.00	0.000959
1	1	50	2011	1	10	0.2378	8.676	6.8800	4.9123	36.4932	8.12	0.001996
1	1	50	2011	1	11	0.2555	9.325	6.8800	4.9123	36.4932	7.44	0.000819
1	1	50	2011	1	12	0.2661	9.710	6.8800	4.9123	36.4932	7.05	0.000002
1	1	50	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2011	1	14	0.1059	3.177	7.2800	5.1979	30.0117	32.28	0.000028
1	1	50	2011	1	15	0.0759	3.667	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2011	1	16	0.0982	4.423	6.6500	4.7481	45.0549	12.93	0.008198
1	1	50	2011	1	17	0.1071	5.061	6.6500	4.7481	47.2522	11.65	0.002544
1	1	50	2011	1	18	0.1399	7.928	6.6500	4.7481	56.6821	10.18	0.002699
1	1	50	2011	1	19	0.1551	8.791	6.6500	4.7481	56.6821	9.86	0.001293
1	1	50	2011	1	20	0.1834	11.878	6.6500	4.7481	64.7605	8.70	0.006032
1	1	50	2011	1	21	0.2245	14.541	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2011	1	22	0.2348	30.578	6.6500	4.7481	130.2221	6.58	0.010278
1	1	50	2011	1	23	0.2765	54.693	6.6500	4.7481	197.8148	6.28	0.036527
1	1	50	2011	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2011	1	25	0.4014	10.930	6.8800	4.9123	27.2301	6.43	0.000303
1	1	50	2011	1	26	0.2145	20.966	6.6500	4.7481	97.7390	4.34	0.003655
1	1	50	2011	1	27	0.3320	9.039	6.6500	4.7481	27.2301	6.19	0.007008
1	1	50	2011	1	28	0.2657	11.682	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2011	2	1	12.7109	381.475	7.2800	5.3799	30.0117	24.09	0.281246
1	1	50	2011	2	2	10.4312	419.287	8.0600	5.7548	40.1957	18.52	0.101405

1	1	50	2011	2	3	11.0694	444.941	8.0600	5.7548	40.1957	18.52	0.337320
1	1	50	2011	2	4	16.0816	608.153	8.0600	5.7548	37.8166	14.25	0.103547
1	1	50	2011	2	5	16.3782	619.368	8.0600	5.7548	37.8166	14.25	0.047578
1	1	50	2011	2	6	5.3230	201.054	6.8800	4.9123	37.7707	10.10	0.027524
1	1	50	2011	2	7	5.9076	223.133	6.8800	4.9123	37.7707	9.36	0.000969
1	1	50	2011	2	8	5.7110	208.413	6.8800	4.9123	36.4932	9.33	0.000281
1	1	50	2011	2	9	6.6556	242.884	6.8800	4.9123	36.4931	8.00	0.000959
1	1	50	2011	2	10	6.5944	240.649	6.8800	4.9123	36.4932	8.12	0.001996
1	1	50	2011	2	11	7.8165	285.250	6.8800	4.9123	36.4932	7.44	0.000819
1	1	50	2011	2	12	8.3310	304.024	6.8800	4.9123	36.4932	7.05	0.000002
1	1	50	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2011	2	14	0.6525	19.584	7.2800	5.1979	30.0117	32.28	0.000028
1	1	50	2011	2	15	0.2783	13.437	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2011	2	16	0.3707	16.703	6.6500	4.7481	45.0549	12.93	0.008198
1	1	50	2011	2	17	0.3936	18.600	6.6500	4.7481	47.2522	11.65	0.002544
1	1	50	2011	2	18	0.5564	31.541	6.6500	4.7481	56.6821	10.18	0.002699
1	1	50	2011	2	19	0.6002	34.022	6.6500	4.7481	56.6821	9.86	0.001293
1	1	50	2011	2	20	0.5759	37.298	6.6500	4.7481	64.7605	8.70	0.006032
1	1	50	2011	2	21	0.7090	45.917	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2011	2	22	0.9262	120.606	6.6500	4.7481	130.2221	6.58	0.010278
1	1	50	2011	2	23	1.1675	230.941	6.6500	4.7481	197.8148	6.28	0.036527
1	1	50	2011	2	24	8.7127	74.774	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2011	2	25	9.4897	258.407	6.8800	4.9123	27.2301	6.43	0.000303
1	1	50	2011	2	26	1.8145	177.352	6.6500	4.7481	97.7390	4.34	0.003655
1	1	50	2011	2	27	1.0976	29.889	6.6500	4.7481	27.2301	6.19	0.007008
1	1	50	2011	2	28	0.4842	21.292	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2011	3	1	0.5014	15.047	7.2800	5.3799	30.0117	24.09	0.281246
1	1	50	2011	3	2	0.3542	14.238	8.0600	5.7548	40.1957	18.52	0.101405
1	1	50	2011	3	3	0.5422	21.792	8.0600	5.7548	40.1957	18.52	0.337320
1	1	50	2011	3	4	1.0387	39.281	8.0600	5.7548	37.8166	14.25	0.103547
1	1	50	2011	3	5	1.4301	54.082	8.0600	5.7548	37.8166	14.25	0.047578
1	1	50	2011	3	6	2.1586	81.532	6.8800	4.9123	37.7707	10.10	0.027524
1	1	50	2011	3	7	2.2822	86.199	6.8800	4.9123	37.7707	9.36	0.000969
1	1	50	2011	3	8	2.0147	73.524	6.8800	4.9123	36.4932	9.33	0.000281
1	1	50	2011	3	9	2.3378	85.315	6.8800	4.9123	36.4931	8.00	0.000959
1	1	50	2011	3	10	2.3228	84.768	6.8800	4.9123	36.4932	8.12	0.001996
1	1	50	2011	3	11	2.5617	93.484	6.8800	4.9123	36.4932	7.44	0.000819
1	1	50	2011	3	12	2.7350	99.809	6.8800	4.9123	36.4932	7.05	0.000002
1	1	50	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2011	3	14	0.2825	8.478	7.2800	5.1979	30.0117	32.28	0.000028
1	1	50	2011	3	15	0.1814	8.757	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2011	3	16	2.2891	103.136	6.6500	4.7481	45.0549	12.93	0.008198
1	1	50	2011	3	17	2.4107	113.911	6.6500	4.7481	47.2522	11.65	0.002544
1	1	50	2011	3	18	3.3309	188.801	6.6500	4.7481	56.6821	10.18	0.002699
1	1	50	2011	3	19	3.6012	204.123	6.6500	4.7481	56.6821	9.86	0.001293
1	1	50	2011	3	20	4.1553	269.096	6.6500	4.7481	64.7605	8.70	0.006032
1	1	50	2011	3	21	5.1338	332.468	6.6500	4.7481	64.7605	7.53	0.008655

1	1	50	2011	3	22	5.8391	760.384	6.6500	4.7481	130.2221	6.58	0.010278
1	1	50	2011	3	23	7.0129	1387.257	6.6500	4.7481	197.8148	6.28	0.036527
1	1	50	2011	3	24	2.2953	19.699	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2011	3	25	4.5091	122.783	6.8800	4.9123	27.2301	6.43	0.000303
1	1	50	2011	3	26	12.1875	1191.191	6.6500	4.7481	97.7390	4.34	0.003655
1	1	50	2011	3	27	8.4241	229.391	6.6500	4.7481	27.2301	6.19	0.007008
1	1	50	2011	3	28	0.6288	27.651	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	51	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	51	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	51	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	51	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	51	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	51	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	51	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	51	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	51	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	51	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	51	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	51	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	51	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	51	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	51	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	51	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	51	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	51	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	51	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	51	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	51	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	51	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	51	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2011	1	1	0.3396	10.193	7.2800	5.3799	30.0117	24.09	0.281246
1	1	51	2011	1	2	0.2081	8.364	8.0600	5.7548	40.1957	18.52	0.101405
1	1	51	2011	1	3	0.2422	9.736	8.0600	5.7548	40.1957	18.52	0.337320
1	1	51	2011	1	4	0.5358	20.261	8.0600	5.7548	37.8166	14.25	0.103547
1	1	51	2011	1	5	0.5927	22.416	8.0600	5.7548	37.8166	14.25	0.047578
1	1	51	2011	1	6	0.2349	8.873	6.8800	4.9123	37.7707	10.10	0.027524
1	1	51	2011	1	7	0.2351	8.878	6.8800	4.9123	37.7707	9.36	0.000969
1	1	51	2011	1	8	0.2182	7.963	6.8800	4.9123	36.4932	9.33	0.000281
1	1	51	2011	1	9	0.2361	8.617	6.8800	4.9123	36.4931	8.00	0.000959
1	1	51	2011	1	10	0.2353	8.588	6.8800	4.9123	36.4932	8.12	0.001996
1	1	51	2011	1	11	0.2529	9.230	6.8800	4.9123	36.4932	7.44	0.000819
1	1	51	2011	1	12	0.2634	9.611	6.8800	4.9123	36.4932	7.05	0.000002

1	1	51	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2011	1	14	0.1054	3.162	7.2800	5.1979	30.0117	32.28	0.000028
1	1	51	2011	1	15	0.0755	3.648	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2011	1	16	0.0973	4.385	6.6500	4.7481	45.0549	12.93	0.008198
1	1	51	2011	1	17	0.1062	5.018	6.6500	4.7481	47.2522	11.65	0.002544
1	1	51	2011	1	18	0.1387	7.861	6.6500	4.7481	56.6821	10.18	0.002699
1	1	51	2011	1	19	0.1538	8.716	6.6500	4.7481	56.6821	9.86	0.001293
1	1	51	2011	1	20	0.1818	11.777	6.6500	4.7481	64.7605	8.70	0.006032
1	1	51	2011	1	21	0.2226	14.417	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2011	1	22	0.2328	30.318	6.6500	4.7481	130.2221	6.58	0.010278
1	1	51	2011	1	23	0.2741	54.228	6.6500	4.7481	197.8148	6.28	0.036527
1	1	51	2011	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2011	1	25	0.3966	10.800	6.8800	4.9123	27.2301	6.43	0.000303
1	1	51	2011	1	26	0.2127	20.788	6.6500	4.7481	97.7390	4.34	0.003655
1	1	51	2011	1	27	0.3291	8.962	6.6500	4.7481	27.2301	6.19	0.007008
1	1	51	2011	1	28	0.2643	11.622	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2011	2	1	12.7722	383.314	7.2800	5.3799	30.0117	24.09	0.281246
1	1	51	2011	2	2	10.4867	421.521	8.0600	5.7548	40.1957	18.52	0.101405
1	1	51	2011	2	3	11.1294	447.352	8.0600	5.7548	40.1957	18.52	0.337320
1	1	51	2011	2	4	16.1715	611.553	8.0600	5.7548	37.8166	14.25	0.103547
1	1	51	2011	2	5	16.4692	622.811	8.0600	5.7548	37.8166	14.25	0.047578
1	1	51	2011	2	6	5.4115	204.396	6.8800	4.9123	37.7707	10.10	0.027524
1	1	51	2011	2	7	6.0058	226.843	6.8800	4.9123	37.7707	9.36	0.000969
1	1	51	2011	2	8	5.8060	211.878	6.8800	4.9123	36.4932	9.33	0.000281
1	1	51	2011	2	9	6.7663	246.922	6.8800	4.9123	36.4931	8.00	0.000959
1	1	51	2011	2	10	6.7040	244.650	6.8800	4.9123	36.4932	8.12	0.001996
1	1	51	2011	2	11	7.9465	289.992	6.8800	4.9123	36.4932	7.44	0.000819
1	1	51	2011	2	12	8.4695	309.079	6.8800	4.9123	36.4932	7.05	0.000002
1	1	51	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2011	2	14	0.6550	19.657	7.2800	5.1979	30.0117	32.28	0.000028
1	1	51	2011	2	15	0.2795	13.493	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2011	2	16	0.3734	16.823	6.6500	4.7481	45.0549	12.93	0.008198
1	1	51	2011	2	17	0.3965	18.735	6.6500	4.7481	47.2522	11.65	0.002544
1	1	51	2011	2	18	0.5605	31.768	6.6500	4.7481	56.6821	10.18	0.002699
1	1	51	2011	2	19	0.6046	34.268	6.6500	4.7481	56.6821	9.86	0.001293
1	1	51	2011	2	20	0.5801	37.567	6.6500	4.7481	64.7605	8.70	0.006032
1	1	51	2011	2	21	0.7142	46.249	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2011	2	22	0.9328	121.477	6.6500	4.7481	130.2221	6.58	0.010278
1	1	51	2011	2	23	1.1759	232.608	6.6500	4.7481	197.8148	6.28	0.036527
1	1	51	2011	2	24	8.7127	74.774	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2011	2	25	9.6475	262.703	6.8800	4.9123	27.2301	6.43	0.000303
1	1	51	2011	2	26	1.8276	178.633	6.6500	4.7481	97.7390	4.34	0.003655
1	1	51	2011	2	27	1.1056	30.104	6.6500	4.7481	27.2301	6.19	0.007008
1	1	51	2011	2	28	0.4861	21.375	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2011	3	1	0.5038	15.119	7.2800	5.3799	30.0117	24.09	0.281246
1	1	51	2011	3	2	0.3562	14.317	8.0600	5.7548	40.1957	18.52	0.101405
1	1	51	2011	3	3	0.5445	21.886	8.0600	5.7548	40.1957	18.52	0.337320

1	1	51	2011	3	4	1.0422	39.411	8.0600	5.7548	37.8166	14.25	0.103547
1	1	51	2011	3	5	1.4337	54.218	8.0600	5.7548	37.8166	14.25	0.047578
1	1	51	2011	3	6	2.1727	82.066	6.8800	4.9123	37.7707	10.10	0.027524
1	1	51	2011	3	7	2.2971	86.763	6.8800	4.9123	37.7707	9.36	0.000969
1	1	51	2011	3	8	2.0279	74.006	6.8800	4.9123	36.4932	9.33	0.000281
1	1	51	2011	3	9	2.3531	85.874	6.8800	4.9123	36.4931	8.00	0.000959
1	1	51	2011	3	10	2.3381	85.323	6.8800	4.9123	36.4932	8.12	0.001996
1	1	51	2011	3	11	2.5785	94.096	6.8800	4.9123	36.4932	7.44	0.000819
1	1	51	2011	3	12	2.7529	100.462	6.8800	4.9123	36.4932	7.05	0.000002
1	1	51	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2011	3	14	0.2893	8.683	7.2800	5.1979	30.0117	32.28	0.000028
1	1	51	2011	3	15	0.1858	8.969	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2011	3	16	2.3465	105.721	6.6500	4.7481	45.0549	12.93	0.008198
1	1	51	2011	3	17	2.4711	116.767	6.6500	4.7481	47.2522	11.65	0.002544
1	1	51	2011	3	18	3.4144	193.534	6.6500	4.7481	56.6821	10.18	0.002699
1	1	51	2011	3	19	3.6915	209.240	6.6500	4.7481	56.6821	9.86	0.001293
1	1	51	2011	3	20	4.2609	275.939	6.6500	4.7481	64.7605	8.70	0.006032
1	1	51	2011	3	21	5.2644	340.923	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2011	3	22	5.9829	779.101	6.6500	4.7481	130.2221	6.58	0.010278
1	1	51	2011	3	23	7.1827	1420.854	6.6500	4.7481	197.8148	6.28	0.036527
1	1	51	2011	3	24	2.3383	20.067	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2011	3	25	4.5386	123.587	6.8800	4.9123	27.2301	6.43	0.000303
1	1	51	2011	3	26	12.5000	1221.740	6.6500	4.7481	97.7390	4.34	0.003655
1	1	51	2011	3	27	8.6401	235.270	6.6500	4.7481	27.2301	6.19	0.007008
1	1	51	2011	3	28	0.6441	28.323	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	52	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	52	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	52	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	52	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	52	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	52	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	52	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	52	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	52	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	52	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	52	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	52	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	52	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	52	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	52	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	52	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	52	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	52	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	52	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278

1	1	52	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	52	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	52	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	52	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	52	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	52	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	52	2011	1	1	0.3385	10.159	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	52	2011	1	2	0.2078	8.354	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	52	2011	1	3	0.2420	9.728	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	52	2011	1	4	0.5338	20.187	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	52	2011	1	5	0.5907	22.337	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	52	2011	1	6	0.2324	8.778	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	52	2011	1	7	0.2325	8.783	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	52	2011	1	8	0.2160	7.884	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	52	2011	1	9	0.2338	8.532	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	52	2011	1	10	0.2330	8.503	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	52	2011	1	11	0.2504	9.139	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	52	2011	1	12	0.2608	9.516	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	52	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	52	2011	1	14	0.1049	3.147	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	52	2011	1	15	0.0752	3.629	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	52	2011	1	16	0.0965	4.349	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	52	2011	1	17	0.1053	4.977	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	52	2011	1	18	0.1375	7.796	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	52	2011	1	19	0.1525	8.644	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	52	2011	1	20	0.1803	11.679	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	52	2011	1	21	0.2208	14.298	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	52	2011	1	22	0.2309	30.067	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	52	2011	1	23	0.2719	53.780	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	52	2011	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	52	2011	1	25	0.3920	10.674	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	52	2011	1	26	0.2109	20.616	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	52	2011	1	27	0.3264	8.888	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	52	2011	1	28	0.2630	11.565	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	52	2011	2	1	12.8312	385.087	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	52	2011	2	2	10.5403	423.674	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	52	2011	2	3	11.1872	449.675	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	52	2011	2	4	16.2581	614.828	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	52	2011	2	5	16.5569	626.128	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	52	2011	2	6	5.4968	207.617	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	52	2011	2	7	6.1004	230.418	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	52	2011	2	8	5.8975	215.217	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	52	2011	2	9	6.8729	250.814	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	52	2011	2	10	6.8096	248.505	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	52	2011	2	11	8.0717	294.562	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	52	2011	2	12	8.6030	313.950	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	52	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											

1	1	52	2011	2	14	0.6573	19.727	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	52	2011	2	15	0.2806	13.547	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	52	2011	2	16	0.3760	16.939	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	52	2011	2	17	0.3992	18.864	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	52	2011	2	18	0.5643	31.988	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	52	2011	2	19	0.6087	34.505	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	52	2011	2	20	0.5841	37.827	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	52	2011	2	21	0.7191	46.568	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	52	2011	2	22	0.9393	122.316	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	52	2011	2	23	1.1840	234.215	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	52	2011	2	24	8.7127	74.774	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	52	2011	2	25	9.7996	266.843	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	52	2011	2	26	1.8403	179.867	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	52	2011	2	27	1.1132	30.312	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	52	2011	2	28	0.4879	21.455	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	52	2011	3	1	0.5061	15.189	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	52	2011	3	2	0.3581	14.392	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	52	2011	3	3	0.5467	21.976	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	52	2011	3	4	1.0455	39.537	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	52	2011	3	5	1.4371	54.348	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	52	2011	3	6	2.1864	82.580	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	52	2011	3	7	2.3115	87.307	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	52	2011	3	8	2.0406	74.469	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	52	2011	3	9	2.3679	86.412	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	52	2011	3	10	2.3527	85.858	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	52	2011	3	11	2.5946	94.686	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	52	2011	3	12	2.7702	101.092	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	52	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	52	2011	3	14	0.2959	8.879	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	52	2011	3	15	0.1900	9.174	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	52	2011	3	16	2.4018	108.212	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	52	2011	3	17	2.5294	119.518	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	52	2011	3	18	3.4948	198.094	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	52	2011	3	19	3.7784	214.170	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	52	2011	3	20	4.3627	282.533	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	52	2011	3	21	5.3902	349.071	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	52	2011	3	22	6.1214	797.138	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	52	2011	3	23	7.3464	1453.229	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	52	2011	3	24	2.3796	20.423	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	52	2011	3	25	4.5671	124.362	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	52	2011	3	26	12.8012	1251.179	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	52	2011	3	27	8.8481	240.936	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	52	2011	3	28	0.6588	28.970	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	53	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	53	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	53	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	53	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25
0.103547											

1	1	53	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	53	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	53	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	53	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	53	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	53	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	53	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	53	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	53	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	53	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	53	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	53	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	53	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	53	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	53	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	53	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	53	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	53	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	53	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	53	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2011	1	1	0.3376	10.131	7.2800	5.3799	30.0117	24.09	0.281246
1	1	53	2011	1	2	0.2077	8.348	8.0600	5.7548	40.1957	18.52	0.101405
1	1	53	2011	1	3	0.2419	9.725	8.0600	5.7548	40.1957	18.52	0.337320
1	1	53	2011	1	4	0.5319	20.114	8.0600	5.7548	37.8166	14.25	0.103547
1	1	53	2011	1	5	0.5886	22.260	8.0600	5.7548	37.8166	14.25	0.047578
1	1	53	2011	1	6	0.2310	8.724	6.8800	4.9123	37.7707	10.10	0.027524
1	1	53	2011	1	7	0.2311	8.729	6.8800	4.9123	37.7707	9.36	0.000969
1	1	53	2011	1	8	0.2148	7.840	6.8800	4.9123	36.4932	9.33	0.000281
1	1	53	2011	1	9	0.2326	8.487	6.8800	4.9123	36.4931	8.00	0.000959
1	1	53	2011	1	10	0.2318	8.458	6.8800	4.9123	36.4932	8.12	0.001996
1	1	53	2011	1	11	0.2492	9.094	6.8800	4.9123	36.4932	7.44	0.000819
1	1	53	2011	1	12	0.2595	9.470	6.8800	4.9123	36.4932	7.05	0.000002
1	1	53	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2011	1	14	0.1046	3.139	7.2800	5.1979	30.0117	32.28	0.000028
1	1	53	2011	1	15	0.0750	3.619	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2011	1	16	0.0961	4.329	6.6500	4.7481	45.0549	12.93	0.008198
1	1	53	2011	1	17	0.1048	4.954	6.6500	4.7481	47.2522	11.65	0.002544
1	1	53	2011	1	18	0.1369	7.760	6.6500	4.7481	56.6821	10.18	0.002699
1	1	53	2011	1	19	0.1518	8.604	6.6500	4.7481	56.6821	9.86	0.001293
1	1	53	2011	1	20	0.1795	11.625	6.6500	4.7481	64.7605	8.70	0.006032
1	1	53	2011	1	21	0.2198	14.232	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2011	1	22	0.2298	29.927	6.6500	4.7481	130.2221	6.58	0.010278
1	1	53	2011	1	23	0.2706	53.530	6.6500	4.7481	197.8148	6.28	0.036527

1	1	53	2011	1	24	1.8080	15.517	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2011	1	25	0.3895	10.605	6.8800	4.9123	27.2301	6.43	0.000303
1	1	53	2011	1	26	0.2099	20.520	6.6500	4.7481	97.7390	4.34	0.003655
1	1	53	2011	1	27	0.3249	8.847	6.6500	4.7481	27.2301	6.19	0.007008
1	1	53	2011	1	28	0.2623	11.532	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2011	2	1	12.8996	387.138	7.2800	5.3799	30.0117	24.09	0.281246
1	1	53	2011	2	2	10.6023	426.165	8.0600	5.7548	40.1957	18.52	0.101405
1	1	53	2011	2	3	11.2540	452.363	8.0600	5.7548	40.1957	18.52	0.337320
1	1	53	2011	2	4	16.3584	618.619	8.0600	5.7548	37.8166	14.25	0.103547
1	1	53	2011	2	5	16.6585	629.967	8.0600	5.7548	37.8166	14.25	0.047578
1	1	53	2011	2	6	5.6772	214.431	6.8800	4.9123	37.7707	10.10	0.027524
1	1	53	2011	2	7	6.3006	237.980	6.8800	4.9123	37.7707	9.36	0.000969
1	1	53	2011	2	8	6.0910	222.281	6.8800	4.9123	36.4932	9.33	0.000281
1	1	53	2011	2	9	7.0985	259.045	6.8800	4.9123	36.4931	8.00	0.000959
1	1	53	2011	2	10	7.0331	256.661	6.8800	4.9123	36.4932	8.12	0.001996
1	1	53	2011	2	11	8.3366	304.229	6.8800	4.9123	36.4932	7.44	0.000819
1	1	53	2011	2	12	8.8853	324.253	6.8800	4.9123	36.4932	7.05	0.000002
1	1	53	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2011	2	14	0.6637	19.918	7.2800	5.1979	30.0117	32.28	0.000028
1	1	53	2011	2	15	0.2836	13.693	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2011	2	16	0.3830	17.254	6.6500	4.7481	45.0549	12.93	0.008198
1	1	53	2011	2	17	0.4066	19.215	6.6500	4.7481	47.2522	11.65	0.002544
1	1	53	2011	2	18	0.5748	32.583	6.6500	4.7481	56.6821	10.18	0.002699
1	1	53	2011	2	19	0.6201	35.146	6.6500	4.7481	56.6821	9.86	0.001293
1	1	53	2011	2	20	0.5950	38.531	6.6500	4.7481	64.7605	8.70	0.006032
1	1	53	2011	2	21	0.7325	47.435	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2011	2	22	0.9568	124.591	6.6500	4.7481	130.2221	6.58	0.010278
1	1	53	2011	2	23	1.2060	238.572	6.6500	4.7481	197.8148	6.28	0.036527
1	1	53	2011	2	24	9.8561	84.587	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2011	2	25	10.1212	275.601	6.8800	4.9123	27.2301	6.43	0.000303
1	1	53	2011	2	26	1.8745	183.213	6.6500	4.7481	97.7390	4.34	0.003655
1	1	53	2011	2	27	1.1339	30.876	6.6500	4.7481	27.2301	6.19	0.007008
1	1	53	2011	2	28	0.4928	21.671	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2011	3	1	0.5088	15.270	7.2800	5.3799	30.0117	24.09	0.281246
1	1	53	2011	3	2	0.3603	14.481	8.0600	5.7548	40.1957	18.52	0.101405
1	1	53	2011	3	3	0.5494	22.083	8.0600	5.7548	40.1957	18.52	0.337320
1	1	53	2011	3	4	1.0495	39.688	8.0600	5.7548	37.8166	14.25	0.103547
1	1	53	2011	3	5	1.4415	54.511	8.0600	5.7548	37.8166	14.25	0.047578
1	1	53	2011	3	6	2.2021	83.176	6.8800	4.9123	37.7707	10.10	0.027524
1	1	53	2011	3	7	2.3282	87.936	6.8800	4.9123	37.7707	9.36	0.000969
1	1	53	2011	3	8	2.0554	75.006	6.8800	4.9123	36.4932	9.33	0.000281
1	1	53	2011	3	9	2.3850	87.035	6.8800	4.9123	36.4931	8.00	0.000959
1	1	53	2011	3	10	2.3697	86.477	6.8800	4.9123	36.4932	8.12	0.001996
1	1	53	2011	3	11	2.6133	95.369	6.8800	4.9123	36.4932	7.44	0.000819
1	1	53	2011	3	12	2.7901	101.821	6.8800	4.9123	36.4932	7.05	0.000002
1	1	53	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2011	3	14	0.3070	9.215	7.2800	5.1979	30.0117	32.28	0.000028

1	1	53	2011	3	15	0.1972	9.524	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2011	3	16	2.4961	112.461	6.6500	4.7481	45.0549	12.93	0.008198
1	1	53	2011	3	17	2.6287	124.211	6.6500	4.7481	47.2522	11.65	0.002544
1	1	53	2011	3	18	3.6320	205.872	6.6500	4.7481	56.6821	10.18	0.002699
1	1	53	2011	3	19	3.9268	222.580	6.6500	4.7481	56.6821	9.86	0.001293
1	1	53	2011	3	20	4.5364	293.780	6.6500	4.7481	64.7605	8.70	0.006032
1	1	53	2011	3	21	5.6047	362.966	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2011	3	22	6.3576	827.900	6.6500	4.7481	130.2221	6.58	0.010278
1	1	53	2011	3	23	7.6255	1508.446	6.6500	4.7481	197.8148	6.28	0.036527
1	1	53	2011	3	24	2.4275	20.833	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2011	3	25	4.6000	125.259	6.8800	4.9123	27.2301	6.43	0.000303
1	1	53	2011	3	26	13.3149	1301.387	6.6500	4.7481	97.7390	4.34	0.003655
1	1	53	2011	3	27	9.2030	250.600	6.6500	4.7481	27.2301	6.19	0.007008
1	1	53	2011	3	28	0.6839	30.074	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	54	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	54	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	54	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	54	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	54	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	54	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	54	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	54	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	54	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	54	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	54	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	54	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	54	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	54	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	54	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	54	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	54	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	54	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	54	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	54	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	54	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	54	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	54	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2011	1	1	0.3367	10.103	7.2800	5.3799	30.0117	24.09	0.281246
1	1	54	2011	1	2	0.2075	8.342	8.0600	5.7548	40.1957	18.52	0.101405
1	1	54	2011	1	3	0.2419	9.722	8.0600	5.7548	40.1957	18.52	0.337320
1	1	54	2011	1	4	0.5300	20.043	8.0600	5.7548	37.8166	14.25	0.103547
1	1	54	2011	1	5	0.5866	22.185	8.0600	5.7548	37.8166	14.25	0.047578

1	1	54	2011	1	6	0.2296	8.672	6.8800	4.9123	37.7707	10.10	0.027524
1	1	54	2011	1	7	0.2297	8.677	6.8800	4.9123	37.7707	9.36	0.000969
1	1	54	2011	1	8	0.2137	7.799	6.8800	4.9123	36.4932	9.33	0.000281
1	1	54	2011	1	9	0.2314	8.444	6.8800	4.9123	36.4931	8.00	0.000959
1	1	54	2011	1	10	0.2306	8.416	6.8800	4.9123	36.4932	8.12	0.001996
1	1	54	2011	1	11	0.2480	9.050	6.8800	4.9123	36.4932	7.44	0.000819
1	1	54	2011	1	12	0.2583	9.426	6.8800	4.9123	36.4932	7.05	0.000002
1	1	54	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2011	1	14	0.1043	3.131	7.2800	5.1979	30.0117	32.28	0.000028
1	1	54	2011	1	15	0.0747	3.609	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2011	1	16	0.0956	4.309	6.6500	4.7481	45.0549	12.93	0.008198
1	1	54	2011	1	17	0.1044	4.931	6.6500	4.7481	47.2522	11.65	0.002544
1	1	54	2011	1	18	0.1363	7.725	6.6500	4.7481	56.6821	10.18	0.002699
1	1	54	2011	1	19	0.1511	8.565	6.6500	4.7481	56.6821	9.86	0.001293
1	1	54	2011	1	20	0.1787	11.572	6.6500	4.7481	64.7605	8.70	0.006032
1	1	54	2011	1	21	0.2188	14.167	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2011	1	22	0.2288	29.792	6.6500	4.7481	130.2221	6.58	0.010278
1	1	54	2011	1	23	0.2694	53.288	6.6500	4.7481	197.8148	6.28	0.036527
1	1	54	2011	1	24	1.8775	16.114	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2011	1	25	0.3870	10.538	6.8800	4.9123	27.2301	6.43	0.000303
1	1	54	2011	1	26	0.2090	20.427	6.6500	4.7481	97.7390	4.34	0.003655
1	1	54	2011	1	27	0.3234	8.807	6.6500	4.7481	27.2301	6.19	0.007008
1	1	54	2011	1	28	0.2615	11.501	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2011	2	1	12.9655	389.118	7.2800	5.3799	30.0117	24.09	0.281246
1	1	54	2011	2	2	10.6621	428.569	8.0600	5.7548	40.1957	18.52	0.101405
1	1	54	2011	2	3	11.3186	454.957	8.0600	5.7548	40.1957	18.52	0.337320
1	1	54	2011	2	4	16.4551	622.276	8.0600	5.7548	37.8166	14.25	0.103547
1	1	54	2011	2	5	16.7564	633.671	8.0600	5.7548	37.8166	14.25	0.047578
1	1	54	2011	2	6	5.8513	221.006	6.8800	4.9123	37.7707	10.10	0.027524
1	1	54	2011	2	7	6.4938	245.276	6.8800	4.9123	37.7707	9.36	0.000969
1	1	54	2011	2	8	6.2778	229.096	6.8800	4.9123	36.4932	9.33	0.000281
1	1	54	2011	2	9	7.3161	266.988	6.8800	4.9123	36.4931	8.00	0.000959
1	1	54	2011	2	10	7.2488	264.530	6.8800	4.9123	36.4932	8.12	0.001996
1	1	54	2011	2	11	8.5922	313.557	6.8800	4.9123	36.4932	7.44	0.000819
1	1	54	2011	2	12	9.1577	334.195	6.8800	4.9123	36.4932	7.05	0.000002
1	1	54	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2011	2	14	0.6698	20.103	7.2800	5.1979	30.0117	32.28	0.000028
1	1	54	2011	2	15	0.2865	13.834	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2011	2	16	0.3897	17.559	6.6500	4.7481	45.0549	12.93	0.008198
1	1	54	2011	2	17	0.4138	19.554	6.6500	4.7481	47.2522	11.65	0.002544
1	1	54	2011	2	18	0.5850	33.157	6.6500	4.7481	56.6821	10.18	0.002699
1	1	54	2011	2	19	0.6310	35.766	6.6500	4.7481	56.6821	9.86	0.001293
1	1	54	2011	2	20	0.6055	39.210	6.6500	4.7481	64.7605	8.70	0.006032
1	1	54	2011	2	21	0.7454	48.271	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2011	2	22	0.9736	126.787	6.6500	4.7481	130.2221	6.58	0.010278
1	1	54	2011	2	23	1.2273	242.776	6.6500	4.7481	197.8148	6.28	0.036527
1	1	54	2011	2	24	10.9594	94.056	1.3500	0.9639	8.5822	50.00	0.002374

1	1	54	2011	2	25	10.4315	284.051	6.8800	4.9123	27.2301	6.43	0.000303
1	1	54	2011	2	26	1.9075	186.441	6.6500	4.7481	97.7390	4.34	0.003655
1	1	54	2011	2	27	1.1539	31.420	6.6500	4.7481	27.2301	6.19	0.007008
1	1	54	2011	2	28	0.4976	21.880	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2011	3	1	0.5114	15.349	7.2800	5.3799	30.0117	24.09	0.281246
1	1	54	2011	3	2	0.3624	14.566	8.0600	5.7548	40.1957	18.52	0.101405
1	1	54	2011	3	3	0.5519	22.185	8.0600	5.7548	40.1957	18.52	0.337320
1	1	54	2011	3	4	1.0533	39.834	8.0600	5.7548	37.8166	14.25	0.103547
1	1	54	2011	3	5	1.4456	54.669	8.0600	5.7548	37.8166	14.25	0.047578
1	1	54	2011	3	6	2.2173	83.750	6.8800	4.9123	37.7707	10.10	0.027524
1	1	54	2011	3	7	2.3442	88.544	6.8800	4.9123	37.7707	9.36	0.000969
1	1	54	2011	3	8	2.0695	75.524	6.8800	4.9123	36.4932	9.33	0.000281
1	1	54	2011	3	9	2.4014	87.636	6.8800	4.9123	36.4931	8.00	0.000959
1	1	54	2011	3	10	2.3860	87.074	6.8800	4.9123	36.4932	8.12	0.001996
1	1	54	2011	3	11	2.6314	96.027	6.8800	4.9123	36.4932	7.44	0.000819
1	1	54	2011	3	12	2.8094	102.524	6.8800	4.9123	36.4932	7.05	0.000002
1	1	54	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2011	3	14	0.3178	9.539	7.2800	5.1979	30.0117	32.28	0.000028
1	1	54	2011	3	15	0.2042	9.861	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2011	3	16	2.5871	116.561	6.6500	4.7481	45.0549	12.93	0.008198
1	1	54	2011	3	17	2.7245	128.739	6.6500	4.7481	47.2522	11.65	0.002544
1	1	54	2011	3	18	3.7645	213.377	6.6500	4.7481	56.6821	10.18	0.002699
1	1	54	2011	3	19	4.0700	230.694	6.6500	4.7481	56.6821	9.86	0.001293
1	1	54	2011	3	20	4.7040	304.632	6.6500	4.7481	64.7605	8.70	0.006032
1	1	54	2011	3	21	5.8118	376.374	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2011	3	22	6.5855	857.583	6.6500	4.7481	130.2221	6.58	0.010278
1	1	54	2011	3	23	7.8949	1561.726	6.6500	4.7481	197.8148	6.28	0.036527
1	1	54	2011	3	24	2.4737	21.230	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2011	3	25	4.6318	126.124	6.8800	4.9123	27.2301	6.43	0.000303
1	1	54	2011	3	26	13.8106	1349.834	6.6500	4.7481	97.7390	4.34	0.003655
1	1	54	2011	3	27	9.5455	259.924	6.6500	4.7481	27.2301	6.19	0.007008
1	1	54	2011	3	28	0.7081	31.139	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	55	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	55	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	55	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	55	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	55	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	55	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	55	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	55	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	55	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	55	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	55	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	55	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	55	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518

1	1	55	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	55	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	55	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	55	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	55	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	55	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	55	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	55	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	55	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	55	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	55	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2011	1	1	0.3358	10.077	7.2800	5.3799	30.0117	24.09	0.281246
1	1	55	2011	1	2	0.2074	8.336	8.0600	5.7548	40.1957	18.52	0.101405
1	1	55	2011	1	3	0.2418	9.719	8.0600	5.7548	40.1957	18.52	0.337320
1	1	55	2011	1	4	0.5282	19.975	8.0600	5.7548	37.8166	14.25	0.103547
1	1	55	2011	1	5	0.5847	22.112	8.0600	5.7548	37.8166	14.25	0.047578
1	1	55	2011	1	6	0.2283	8.622	6.8800	4.9123	37.7707	10.10	0.027524
1	1	55	2011	1	7	0.2284	8.628	6.8800	4.9123	37.7707	9.36	0.000969
1	1	55	2011	1	8	0.2126	7.758	6.8800	4.9123	36.4932	9.33	0.000281
1	1	55	2011	1	9	0.2303	8.403	6.8800	4.9123	36.4931	8.00	0.000959
1	1	55	2011	1	10	0.2295	8.374	6.8800	4.9123	36.4932	8.12	0.001996
1	1	55	2011	1	11	0.2468	9.008	6.8800	4.9123	36.4932	7.44	0.000819
1	1	55	2011	1	12	0.2571	9.383	6.8800	4.9123	36.4932	7.05	0.000002
1	1	55	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2011	1	14	0.1041	3.124	7.2800	5.1979	30.0117	32.28	0.000028
1	1	55	2011	1	15	0.0745	3.600	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2011	1	16	0.0952	4.290	6.6500	4.7481	45.0549	12.93	0.008198
1	1	55	2011	1	17	0.1039	4.910	6.6500	4.7481	47.2522	11.65	0.002544
1	1	55	2011	1	18	0.1357	7.691	6.6500	4.7481	56.6821	10.18	0.002699
1	1	55	2011	1	19	0.1504	8.527	6.6500	4.7481	56.6821	9.86	0.001293
1	1	55	2011	1	20	0.1779	11.522	6.6500	4.7481	64.7605	8.70	0.006032
1	1	55	2011	1	21	0.2178	14.105	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2011	1	22	0.2278	29.661	6.6500	4.7481	130.2221	6.58	0.010278
1	1	55	2011	1	23	0.2682	53.054	6.6500	4.7481	197.8148	6.28	0.036527
1	1	55	2011	1	24	1.9447	16.690	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2011	1	25	0.3846	10.474	6.8800	4.9123	27.2301	6.43	0.000303
1	1	55	2011	1	26	0.2081	20.337	6.6500	4.7481	97.7390	4.34	0.003655
1	1	55	2011	1	27	0.3220	8.768	6.6500	4.7481	27.2301	6.19	0.007008
1	1	55	2011	1	28	0.2609	11.471	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2011	2	1	13.0292	391.029	7.2800	5.3799	30.0117	24.09	0.281246
1	1	55	2011	2	2	10.7198	430.890	8.0600	5.7548	40.1957	18.52	0.101405
1	1	55	2011	2	3	11.3809	457.462	8.0600	5.7548	40.1957	18.52	0.337320
1	1	55	2011	2	4	16.5485	625.808	8.0600	5.7548	37.8166	14.25	0.103547
1	1	55	2011	2	5	16.8510	637.248	8.0600	5.7548	37.8166	14.25	0.047578
1	1	55	2011	2	6	6.0193	227.354	6.8800	4.9123	37.7707	10.10	0.027524

1	1	55	2011	2	7	6.6803	252.321	6.8800	4.9123	37.7707	9.36	0.000969
1	1	55	2011	2	8	6.4581	235.676	6.8800	4.9123	36.4932	9.33	0.000281
1	1	55	2011	2	9	7.5262	274.656	6.8800	4.9123	36.4931	8.00	0.000959
1	1	55	2011	2	10	7.4570	272.128	6.8800	4.9123	36.4932	8.12	0.001996
1	1	55	2011	2	11	8.8390	322.564	6.8800	4.9123	36.4932	7.44	0.000819
1	1	55	2011	2	12	9.4208	343.794	6.8800	4.9123	36.4932	7.05	0.000002
1	1	55	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2011	2	14	0.6758	20.281	7.2800	5.1979	30.0117	32.28	0.000028
1	1	55	2011	2	15	0.2893	13.970	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2011	2	16	0.3962	17.852	6.6500	4.7481	45.0549	12.93	0.008198
1	1	55	2011	2	17	0.4207	19.881	6.6500	4.7481	47.2522	11.65	0.002544
1	1	55	2011	2	18	0.5947	33.711	6.6500	4.7481	56.6821	10.18	0.002699
1	1	55	2011	2	19	0.6415	36.364	6.6500	4.7481	56.6821	9.86	0.001293
1	1	55	2011	2	20	0.6156	39.865	6.6500	4.7481	64.7605	8.70	0.006032
1	1	55	2011	2	21	0.7578	49.078	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2011	2	22	0.9899	128.907	6.6500	4.7481	130.2221	6.58	0.010278
1	1	55	2011	2	23	1.2478	246.835	6.6500	4.7481	197.8148	6.28	0.036527
1	1	55	2011	2	24	12.0246	103.198	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2011	2	25	10.7311	292.210	6.8800	4.9123	27.2301	6.43	0.000303
1	1	55	2011	2	26	1.9394	189.559	6.6500	4.7481	97.7390	4.34	0.003655
1	1	55	2011	2	27	1.1732	31.946	6.6500	4.7481	27.2301	6.19	0.007008
1	1	55	2011	2	28	0.5022	22.082	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2011	3	1	0.5139	15.424	7.2800	5.3799	30.0117	24.09	0.281246
1	1	55	2011	3	2	0.3644	14.648	8.0600	5.7548	40.1957	18.52	0.101405
1	1	55	2011	3	3	0.5544	22.284	8.0600	5.7548	40.1957	18.52	0.337320
1	1	55	2011	3	4	1.0571	39.975	8.0600	5.7548	37.8166	14.25	0.103547
1	1	55	2011	3	5	1.4497	54.821	8.0600	5.7548	37.8166	14.25	0.047578
1	1	55	2011	3	6	2.2320	84.305	6.8800	4.9123	37.7707	10.10	0.027524
1	1	55	2011	3	7	2.3598	89.130	6.8800	4.9123	37.7707	9.36	0.000969
1	1	55	2011	3	8	2.0833	76.024	6.8800	4.9123	36.4932	9.33	0.000281
1	1	55	2011	3	9	2.4173	88.216	6.8800	4.9123	36.4931	8.00	0.000959
1	1	55	2011	3	10	2.4018	87.651	6.8800	4.9123	36.4932	8.12	0.001996
1	1	55	2011	3	11	2.6488	96.663	6.8800	4.9123	36.4932	7.44	0.000819
1	1	55	2011	3	12	2.8280	103.203	6.8800	4.9123	36.4932	7.05	0.000002
1	1	55	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2011	3	14	0.3283	9.851	7.2800	5.1979	30.0117	32.28	0.000028
1	1	55	2011	3	15	0.2110	10.186	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2011	3	16	2.6749	120.519	6.6500	4.7481	45.0549	12.93	0.008198
1	1	55	2011	3	17	2.8170	133.111	6.6500	4.7481	47.2522	11.65	0.002544
1	1	55	2011	3	18	3.8923	220.624	6.6500	4.7481	56.6821	10.18	0.002699
1	1	55	2011	3	19	4.2082	238.528	6.6500	4.7481	56.6821	9.86	0.001293
1	1	55	2011	3	20	4.8658	315.109	6.6500	4.7481	64.7605	8.70	0.006032
1	1	55	2011	3	21	6.0117	389.320	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2011	3	22	6.8056	886.243	6.6500	4.7481	130.2221	6.58	0.010278
1	1	55	2011	3	23	8.1549	1613.168	6.6500	4.7481	197.8148	6.28	0.036527
1	1	55	2011	3	24	2.5183	21.613	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2011	3	25	4.6624	126.959	6.8800	4.9123	27.2301	6.43	0.000303

1	1	55	2011	3	26	14.2892	1396.610	6.6500	4.7481	97.7390	4.34	0.003655
1	1	55	2011	3	27	9.8761	268.927	6.6500	4.7481	27.2301	6.19	0.007008
1	1	55	2011	3	28	0.7315	32.167	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	56	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	56	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	56	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	56	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	56	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	56	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	56	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	56	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	56	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	56	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	56	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	56	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	56	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	56	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	56	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	56	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	56	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	56	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	56	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	56	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	56	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	56	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	56	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2011	1	1	0.3349	10.051	7.2800	5.3799	30.0117	24.09	0.281246
1	1	56	2011	1	2	0.2073	8.331	8.0600	5.7548	40.1957	18.52	0.101405
1	1	56	2011	1	3	0.2417	9.717	8.0600	5.7548	40.1957	18.52	0.337320
1	1	56	2011	1	4	0.5265	19.909	8.0600	5.7548	37.8166	14.25	0.103547
1	1	56	2011	1	5	0.5829	22.042	8.0600	5.7548	37.8166	14.25	0.047578
1	1	56	2011	1	6	0.2270	8.574	6.8800	4.9123	37.7707	10.10	0.027524
1	1	56	2011	1	7	0.2271	8.579	6.8800	4.9123	37.7707	9.36	0.000969
1	1	56	2011	1	8	0.2115	7.719	6.8800	4.9123	36.4932	9.33	0.000281
1	1	56	2011	1	9	0.2292	8.363	6.8800	4.9123	36.4931	8.00	0.000959
1	1	56	2011	1	10	0.2284	8.334	6.8800	4.9123	36.4932	8.12	0.001996
1	1	56	2011	1	11	0.2457	8.967	6.8800	4.9123	36.4932	7.44	0.000819
1	1	56	2011	1	12	0.2560	9.342	6.8800	4.9123	36.4932	7.05	0.000002
1	1	56	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2011	1	14	0.1038	3.117	7.2800	5.1979	30.0117	32.28	0.000028
1	1	56	2011	1	15	0.0744	3.590	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2011	1	16	0.0948	4.272	6.6500	4.7481	45.0549	12.93	0.008198

1	1	56	2011	1	17	0.1035	4.889	6.6500	4.7481	47.2522	11.65	0.002544
1	1	56	2011	1	18	0.1351	7.658	6.6500	4.7481	56.6821	10.18	0.002699
1	1	56	2011	1	19	0.1498	8.491	6.6500	4.7481	56.6821	9.86	0.001293
1	1	56	2011	1	20	0.1772	11.473	6.6500	4.7481	64.7605	8.70	0.006032
1	1	56	2011	1	21	0.2169	14.045	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2011	1	22	0.2268	29.535	6.6500	4.7481	130.2221	6.58	0.010278
1	1	56	2011	1	23	0.2671	52.828	6.6500	4.7481	197.8148	6.28	0.036527
1	1	56	2011	1	24	2.0096	17.247	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2011	1	25	0.3824	10.412	6.8800	4.9123	27.2301	6.43	0.000303
1	1	56	2011	1	26	0.2072	20.251	6.6500	4.7481	97.7390	4.34	0.003655
1	1	56	2011	1	27	0.3206	8.731	6.6500	4.7481	27.2301	6.19	0.007008
1	1	56	2011	1	28	0.2602	11.443	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2011	2	1	13.0907	392.875	7.2800	5.3799	30.0117	24.09	0.281246
1	1	56	2011	2	2	10.7756	433.133	8.0600	5.7548	40.1957	18.52	0.101405
1	1	56	2011	2	3	11.4411	459.881	8.0600	5.7548	40.1957	18.52	0.337320
1	1	56	2011	2	4	16.6387	629.220	8.0600	5.7548	37.8166	14.25	0.103547
1	1	56	2011	2	5	16.9424	640.703	8.0600	5.7548	37.8166	14.25	0.047578
1	1	56	2011	2	6	6.1817	233.486	6.8800	4.9123	37.7707	10.10	0.027524
1	1	56	2011	2	7	6.8605	259.127	6.8800	4.9123	37.7707	9.36	0.000969
1	1	56	2011	2	8	6.6323	242.033	6.8800	4.9123	36.4932	9.33	0.000281
1	1	56	2011	2	9	7.7293	282.065	6.8800	4.9123	36.4931	8.00	0.000959
1	1	56	2011	2	10	7.6581	279.469	6.8800	4.9123	36.4932	8.12	0.001996
1	1	56	2011	2	11	9.0774	331.265	6.8800	4.9123	36.4932	7.44	0.000819
1	1	56	2011	2	12	9.6749	353.067	6.8800	4.9123	36.4932	7.05	0.000002
1	1	56	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2011	2	14	0.6815	20.453	7.2800	5.1979	30.0117	32.28	0.000028
1	1	56	2011	2	15	0.2921	14.102	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2011	2	16	0.4025	18.136	6.6500	4.7481	45.0549	12.93	0.008198
1	1	56	2011	2	17	0.4274	20.196	6.6500	4.7481	47.2522	11.65	0.002544
1	1	56	2011	2	18	0.6042	34.247	6.6500	4.7481	56.6821	10.18	0.002699
1	1	56	2011	2	19	0.6517	36.942	6.6500	4.7481	56.6821	9.86	0.001293
1	1	56	2011	2	20	0.6254	40.499	6.6500	4.7481	64.7605	8.70	0.006032
1	1	56	2011	2	21	0.7699	49.857	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2011	2	22	1.0056	130.955	6.6500	4.7481	130.2221	6.58	0.010278
1	1	56	2011	2	23	1.2676	250.757	6.6500	4.7481	197.8148	6.28	0.036527
1	1	56	2011	2	24	13.0538	112.030	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2011	2	25	11.0206	300.092	6.8800	4.9123	27.2301	6.43	0.000303
1	1	56	2011	2	26	1.9702	192.570	6.6500	4.7481	97.7390	4.34	0.003655
1	1	56	2011	2	27	1.1918	32.453	6.6500	4.7481	27.2301	6.19	0.007008
1	1	56	2011	2	28	0.5066	22.277	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2011	3	1	0.5164	15.497	7.2800	5.3799	30.0117	24.09	0.281246
1	1	56	2011	3	2	0.3664	14.728	8.0600	5.7548	40.1957	18.52	0.101405
1	1	56	2011	3	3	0.5568	22.380	8.0600	5.7548	40.1957	18.52	0.337320
1	1	56	2011	3	4	1.0607	40.110	8.0600	5.7548	37.8166	14.25	0.103547
1	1	56	2011	3	5	1.4536	54.969	8.0600	5.7548	37.8166	14.25	0.047578
1	1	56	2011	3	6	2.2462	84.840	6.8800	4.9123	37.7707	10.10	0.027524
1	1	56	2011	3	7	2.3748	89.696	6.8800	4.9123	37.7707	9.36	0.000969

1	1	56	2011	3	8	2.0965	76.508	6.8800	4.9123	36.4932	9.33	0.000281
1	1	56	2011	3	9	2.4327	88.777	6.8800	4.9123	36.4931	8.00	0.000959
1	1	56	2011	3	10	2.4171	88.208	6.8800	4.9123	36.4932	8.12	0.001996
1	1	56	2011	3	11	2.6656	97.278	6.8800	4.9123	36.4932	7.44	0.000819
1	1	56	2011	3	12	2.8460	103.858	6.8800	4.9123	36.4932	7.05	0.000002
1	1	56	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2011	3	14	0.3383	10.154	7.2800	5.1979	30.0117	32.28	0.000028
1	1	56	2011	3	15	0.2175	10.501	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2011	3	16	2.7598	124.344	6.6500	4.7481	45.0549	12.93	0.008198
1	1	56	2011	3	17	2.9064	137.335	6.6500	4.7481	47.2522	11.65	0.002544
1	1	56	2011	3	18	4.0158	227.624	6.6500	4.7481	56.6821	10.18	0.002699
1	1	56	2011	3	19	4.3417	246.097	6.6500	4.7481	56.6821	9.86	0.001293
1	1	56	2011	3	20	5.0221	325.232	6.6500	4.7481	64.7605	8.70	0.006032
1	1	56	2011	3	21	6.2048	401.827	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2011	3	22	7.0182	913.931	6.6500	4.7481	130.2221	6.58	0.010278
1	1	56	2011	3	23	8.4062	1662.867	6.6500	4.7481	197.8148	6.28	0.036527
1	1	56	2011	3	24	2.5614	21.983	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2011	3	25	4.6921	127.766	6.8800	4.9123	27.2301	6.43	0.000303
1	1	56	2011	3	26	14.7515	1441.801	6.6500	4.7481	97.7390	4.34	0.003655
1	1	56	2011	3	27	10.1955	277.625	6.6500	4.7481	27.2301	6.19	0.007008
1	1	56	2011	3	28	0.7541	33.161	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	57	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	57	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	57	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	57	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	57	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	57	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	57	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	57	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	57	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	57	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	57	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	57	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	57	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	57	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	57	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	57	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	57	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	57	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	57	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	57	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	57	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655

1	1	57	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	57	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2011	1	1	0.3341	10.027	7.2800	5.3799	30.0117	24.09	0.281246
1	1	57	2011	1	2	0.2071	8.326	8.0600	5.7548	40.1957	18.52	0.101405
1	1	57	2011	1	3	0.2417	9.714	8.0600	5.7548	40.1957	18.52	0.337320
1	1	57	2011	1	4	0.5248	19.845	8.0600	5.7548	37.8166	14.25	0.103547
1	1	57	2011	1	5	0.5811	21.975	8.0600	5.7548	37.8166	14.25	0.047578
1	1	57	2011	1	6	0.2258	8.528	6.8800	4.9123	37.7707	10.10	0.027524
1	1	57	2011	1	7	0.2259	8.533	6.8800	4.9123	37.7707	9.36	0.000969
1	1	57	2011	1	8	0.2105	7.681	6.8800	4.9123	36.4932	9.33	0.000281
1	1	57	2011	1	9	0.2281	8.324	6.8800	4.9123	36.4931	8.00	0.000959
1	1	57	2011	1	10	0.2273	8.296	6.8800	4.9123	36.4932	8.12	0.001996
1	1	57	2011	1	11	0.2446	8.927	6.8800	4.9123	36.4932	7.44	0.000819
1	1	57	2011	1	12	0.2549	9.302	6.8800	4.9123	36.4932	7.05	0.000002
1	1	57	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2011	1	14	0.1036	3.110	7.2800	5.1979	30.0117	32.28	0.000028
1	1	57	2011	1	15	0.0742	3.581	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2011	1	16	0.0944	4.254	6.6500	4.7481	45.0549	12.93	0.008198
1	1	57	2011	1	17	0.1030	4.869	6.6500	4.7481	47.2522	11.65	0.002544
1	1	57	2011	1	18	0.1345	7.626	6.6500	4.7481	56.6821	10.18	0.002699
1	1	57	2011	1	19	0.1492	8.456	6.6500	4.7481	56.6821	9.86	0.001293
1	1	57	2011	1	20	0.1764	11.425	6.6500	4.7481	64.7605	8.70	0.006032
1	1	57	2011	1	21	0.2160	13.987	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2011	1	22	0.2259	29.413	6.6500	4.7481	130.2221	6.58	0.010278
1	1	57	2011	1	23	0.2660	52.610	6.6500	4.7481	197.8148	6.28	0.036527
1	1	57	2011	1	24	2.0723	17.785	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2011	1	25	0.3802	10.352	6.8800	4.9123	27.2301	6.43	0.000303
1	1	57	2011	1	26	0.2063	20.167	6.6500	4.7481	97.7390	4.34	0.003655
1	1	57	2011	1	27	0.3193	8.695	6.6500	4.7481	27.2301	6.19	0.007008
1	1	57	2011	1	28	0.2596	11.415	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2011	2	1	13.1502	394.660	7.2800	5.3799	30.0117	24.09	0.281246
1	1	57	2011	2	2	10.8295	435.300	8.0600	5.7548	40.1957	18.52	0.101405
1	1	57	2011	2	3	11.4992	462.220	8.0600	5.7548	40.1957	18.52	0.337320
1	1	57	2011	2	4	16.7259	632.517	8.0600	5.7548	37.8166	14.25	0.103547
1	1	57	2011	2	5	17.0307	644.043	8.0600	5.7548	37.8166	14.25	0.047578
1	1	57	2011	2	6	6.3386	239.415	6.8800	4.9123	37.7707	10.10	0.027524
1	1	57	2011	2	7	7.0347	265.707	6.8800	4.9123	37.7707	9.36	0.000969
1	1	57	2011	2	8	6.8007	248.179	6.8800	4.9123	36.4932	9.33	0.000281
1	1	57	2011	2	9	7.9255	289.227	6.8800	4.9123	36.4931	8.00	0.000959
1	1	57	2011	2	10	7.8526	286.565	6.8800	4.9123	36.4932	8.12	0.001996
1	1	57	2011	2	11	9.3079	339.675	6.8800	4.9123	36.4932	7.44	0.000819
1	1	57	2011	2	12	9.9205	362.032	6.8800	4.9123	36.4932	7.05	0.000002
1	1	57	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2011	2	14	0.6870	20.619	7.2800	5.1979	30.0117	32.28	0.000028
1	1	57	2011	2	15	0.2947	14.229	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2011	2	16	0.4086	18.410	6.6500	4.7481	45.0549	12.93	0.008198
1	1	57	2011	2	17	0.4339	20.502	6.6500	4.7481	47.2522	11.65	0.002544

1	1	57	2011	2	18	0.6133	34.765	6.6500	4.7481	56.6821	10.18	0.002699
1	1	57	2011	2	19	0.6616	37.500	6.6500	4.7481	56.6821	9.86	0.001293
1	1	57	2011	2	20	0.6348	41.111	6.6500	4.7481	64.7605	8.70	0.006032
1	1	57	2011	2	21	0.7815	50.611	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2011	2	22	1.0208	132.934	6.6500	4.7481	130.2221	6.58	0.010278
1	1	57	2011	2	23	1.2868	254.548	6.6500	4.7481	197.8148	6.28	0.036527
1	1	57	2011	2	24	14.0486	120.568	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2011	2	25	11.3004	307.711	6.8800	4.9123	27.2301	6.43	0.000303
1	1	57	2011	2	26	2.0000	195.481	6.6500	4.7481	97.7390	4.34	0.003655
1	1	57	2011	2	27	1.2098	32.944	6.6500	4.7481	27.2301	6.19	0.007008
1	1	57	2011	2	28	0.5109	22.466	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2011	3	1	0.5187	15.568	7.2800	5.3799	30.0117	24.09	0.281246
1	1	57	2011	3	2	0.3683	14.804	8.0600	5.7548	40.1957	18.52	0.101405
1	1	57	2011	3	3	0.5591	22.472	8.0600	5.7548	40.1957	18.52	0.337320
1	1	57	2011	3	4	1.0641	40.242	8.0600	5.7548	37.8166	14.25	0.103547
1	1	57	2011	3	5	1.4573	55.111	8.0600	5.7548	37.8166	14.25	0.047578
1	1	57	2011	3	6	2.2599	85.358	6.8800	4.9123	37.7707	10.10	0.027524
1	1	57	2011	3	7	2.3893	90.244	6.8800	4.9123	37.7707	9.36	0.000969
1	1	57	2011	3	8	2.1093	76.975	6.8800	4.9123	36.4932	9.33	0.000281
1	1	57	2011	3	9	2.4475	89.319	6.8800	4.9123	36.4931	8.00	0.000959
1	1	57	2011	3	10	2.4319	88.746	6.8800	4.9123	36.4932	8.12	0.001996
1	1	57	2011	3	11	2.6819	97.871	6.8800	4.9123	36.4932	7.44	0.000819
1	1	57	2011	3	12	2.8633	104.492	6.8800	4.9123	36.4932	7.05	0.000002
1	1	57	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2011	3	14	0.3480	10.446	7.2800	5.1979	30.0117	32.28	0.000028
1	1	57	2011	3	15	0.2238	10.805	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2011	3	16	2.8419	128.040	6.6500	4.7481	45.0549	12.93	0.008198
1	1	57	2011	3	17	2.9928	141.418	6.6500	4.7481	47.2522	11.65	0.002544
1	1	57	2011	3	18	4.1352	234.392	6.6500	4.7481	56.6821	10.18	0.002699
1	1	57	2011	3	19	4.4708	253.413	6.6500	4.7481	56.6821	9.86	0.001293
1	1	57	2011	3	20	5.1732	335.017	6.6500	4.7481	64.7605	8.70	0.006032
1	1	57	2011	3	21	6.3915	413.917	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2011	3	22	7.2238	940.696	6.6500	4.7481	130.2221	6.58	0.010278
1	1	57	2011	3	23	8.6490	1710.909	6.6500	4.7481	197.8148	6.28	0.036527
1	1	57	2011	3	24	2.6031	22.340	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2011	3	25	4.7207	128.546	6.8800	4.9123	27.2301	6.43	0.000303
1	1	57	2011	3	26	15.1985	1485.485	6.6500	4.7481	97.7390	4.34	0.003655
1	1	57	2011	3	27	10.5043	286.032	6.6500	4.7481	27.2301	6.19	0.007008
1	1	57	2011	3	28	0.7759	34.121	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	58	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	58	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	58	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	58	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	58	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	58	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	58	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281

1	1	58	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	58	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	58	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	58	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	58	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	58	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	58	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	58	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	58	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	58	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	58	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	58	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	58	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	58	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	58	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	58	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2011	1	1	0.3334	10.005	7.2800	5.3799	30.0117	24.09	0.281246
1	1	58	2011	1	2	0.2071	8.325	8.0600	5.7548	40.1957	18.52	0.101405
1	1	58	2011	1	3	0.2417	9.716	8.0600	5.7548	40.1957	18.52	0.337320
1	1	58	2011	1	4	0.5231	19.782	8.0600	5.7548	37.8166	14.25	0.103547
1	1	58	2011	1	5	0.5793	21.907	8.0600	5.7548	37.8166	14.25	0.047578
1	1	58	2011	1	6	0.2257	8.526	6.8800	4.9123	37.7707	10.10	0.027524
1	1	58	2011	1	7	0.2259	8.531	6.8800	4.9123	37.7707	9.36	0.000969
1	1	58	2011	1	8	0.2105	7.683	6.8800	4.9123	36.4932	9.33	0.000281
1	1	58	2011	1	9	0.2283	8.330	6.8800	4.9123	36.4931	8.00	0.000959
1	1	58	2011	1	10	0.2275	8.301	6.8800	4.9123	36.4932	8.12	0.001996
1	1	58	2011	1	11	0.2449	8.937	6.8800	4.9123	36.4932	7.44	0.000819
1	1	58	2011	1	12	0.2552	9.315	6.8800	4.9123	36.4932	7.05	0.000002
1	1	58	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2011	1	14	0.1036	3.110	7.2800	5.1979	30.0117	32.28	0.000028
1	1	58	2011	1	15	0.0742	3.581	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2011	1	16	0.0944	4.254	6.6500	4.7481	45.0549	12.93	0.008198
1	1	58	2011	1	17	0.1030	4.869	6.6500	4.7481	47.2522	11.65	0.002544
1	1	58	2011	1	18	0.1345	7.626	6.6500	4.7481	56.6821	10.18	0.002699
1	1	58	2011	1	19	0.1492	8.456	6.6500	4.7481	56.6821	9.86	0.001293
1	1	58	2011	1	20	0.1764	11.425	6.6500	4.7481	64.7605	8.70	0.006032
1	1	58	2011	1	21	0.2160	13.987	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2011	1	22	0.2259	29.413	6.6500	4.7481	130.2221	6.58	0.010278
1	1	58	2011	1	23	0.2660	52.610	6.6500	4.7481	197.8148	6.28	0.036527
1	1	58	2011	1	24	2.1440	18.400	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2011	1	25	0.3802	10.352	6.8800	4.9123	27.2301	6.43	0.000303
1	1	58	2011	1	26	0.2063	20.167	6.6500	4.7481	97.7390	4.34	0.003655
1	1	58	2011	1	27	0.3193	8.695	6.6500	4.7481	27.2301	6.19	0.007008

1	1	58	2011	1	28	0.2596	11.415	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2011	2	1	13.2182	396.700	7.2800	5.3799	30.0117	24.09	0.281246
1	1	58	2011	2	2	10.8912	437.778	8.0600	5.7548	40.1957	18.52	0.101405
1	1	58	2011	2	3	11.5658	464.894	8.0600	5.7548	40.1957	18.52	0.337320
1	1	58	2011	2	4	16.8256	636.287	8.0600	5.7548	37.8166	14.25	0.103547
1	1	58	2011	2	5	17.1316	647.861	8.0600	5.7548	37.8166	14.25	0.047578
1	1	58	2011	2	6	6.6336	250.556	6.8800	4.9123	37.7707	10.10	0.027524
1	1	58	2011	2	7	7.3621	278.071	6.8800	4.9123	37.7707	9.36	0.000969
1	1	58	2011	2	8	7.1172	259.727	6.8800	4.9123	36.4932	9.33	0.000281
1	1	58	2011	2	9	8.2943	302.686	6.8800	4.9123	36.4931	8.00	0.000959
1	1	58	2011	2	10	8.2180	299.900	6.8800	4.9123	36.4932	8.12	0.001996
1	1	58	2011	2	11	9.7411	355.482	6.8800	4.9123	36.4932	7.44	0.000819
1	1	58	2011	2	12	10.3822	378.879	6.8800	4.9123	36.4932	7.05	0.000002
1	1	58	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2011	2	14	0.6979	20.946	7.2800	5.1979	30.0117	32.28	0.000028
1	1	58	2011	2	15	0.2999	14.479	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2011	2	16	0.4206	18.949	6.6500	4.7481	45.0549	12.93	0.008198
1	1	58	2011	2	17	0.4466	21.102	6.6500	4.7481	47.2522	11.65	0.002544
1	1	58	2011	2	18	0.6313	35.783	6.6500	4.7481	56.6821	10.18	0.002699
1	1	58	2011	2	19	0.6810	38.598	6.6500	4.7481	56.6821	9.86	0.001293
1	1	58	2011	2	20	0.6534	42.315	6.6500	4.7481	64.7605	8.70	0.006032
1	1	58	2011	2	21	0.8044	52.093	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2011	2	22	1.0507	136.827	6.6500	4.7481	130.2221	6.58	0.010278
1	1	58	2011	2	23	1.3245	262.002	6.6500	4.7481	197.8148	6.28	0.036527
1	1	58	2011	2	24	15.1857	130.327	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2011	2	25	11.8262	322.030	6.8800	4.9123	27.2301	6.43	0.000303
1	1	58	2011	2	26	2.0586	201.206	6.6500	4.7481	97.7390	4.34	0.003655
1	1	58	2011	2	27	1.2453	33.909	6.6500	4.7481	27.2301	6.19	0.007008
1	1	58	2011	2	28	0.5193	22.837	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2011	3	1	0.5214	15.649	7.2800	5.3799	30.0117	24.09	0.281246
1	1	58	2011	3	2	0.3705	14.892	8.0600	5.7548	40.1957	18.52	0.101405
1	1	58	2011	3	3	0.5617	22.578	8.0600	5.7548	40.1957	18.52	0.337320
1	1	58	2011	3	4	1.0681	40.392	8.0600	5.7548	37.8166	14.25	0.103547
1	1	58	2011	3	5	1.4616	55.274	8.0600	5.7548	37.8166	14.25	0.047578
1	1	58	2011	3	6	2.2756	85.950	6.8800	4.9123	37.7707	10.10	0.027524
1	1	58	2011	3	7	2.4058	90.870	6.8800	4.9123	37.7707	9.36	0.000969
1	1	58	2011	3	8	2.1239	77.508	6.8800	4.9123	36.4932	9.33	0.000281
1	1	58	2011	3	9	2.4645	89.938	6.8800	4.9123	36.4931	8.00	0.000959
1	1	58	2011	3	10	2.4487	89.362	6.8800	4.9123	36.4932	8.12	0.001996
1	1	58	2011	3	11	2.7005	98.550	6.8800	4.9123	36.4932	7.44	0.000819
1	1	58	2011	3	12	2.8832	105.217	6.8800	4.9123	36.4932	7.05	0.000002
1	1	58	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2011	3	14	0.3643	10.933	7.2800	5.1979	30.0117	32.28	0.000028
1	1	58	2011	3	15	0.2343	11.312	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2011	3	16	2.9787	134.207	6.6500	4.7481	45.0549	12.93	0.008198
1	1	58	2011	3	17	3.1370	148.229	6.6500	4.7481	47.2522	11.65	0.002544
1	1	58	2011	3	18	4.3344	245.680	6.6500	4.7481	56.6821	10.18	0.002699

1	1	58	2011	3	19	4.6861	265.618	6.6500	4.7481	56.6821	9.86	0.001293
1	1	58	2011	3	20	5.4252	351.339	6.6500	4.7481	64.7605	8.70	0.006032
1	1	58	2011	3	21	6.7029	434.085	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2011	3	22	7.5666	985.344	6.6500	4.7481	130.2221	6.58	0.010278
1	1	58	2011	3	23	9.0542	1791.050	6.6500	4.7481	197.8148	6.28	0.036527
1	1	58	2011	3	24	2.6507	22.749	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2011	3	25	4.7535	129.437	6.8800	4.9123	27.2301	6.43	0.000303
1	1	58	2011	3	26	15.9441	1558.357	6.6500	4.7481	97.7390	4.34	0.003655
1	1	58	2011	3	27	11.0193	300.058	6.6500	4.7481	27.2301	6.19	0.007008
1	1	58	2011	3	28	0.8124	35.724	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	59	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	59	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	59	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	59	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	59	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	59	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	59	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	59	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	59	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	59	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	59	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	59	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	59	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	59	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	59	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	59	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	59	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	59	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	59	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	59	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	59	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	59	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	59	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2011	1	1	0.3327	9.984	7.2800	5.3799	30.0117	24.09	0.281246
1	1	59	2011	1	2	0.2071	8.323	8.0600	5.7548	40.1957	18.52	0.101405
1	1	59	2011	1	3	0.2417	9.717	8.0600	5.7548	40.1957	18.52	0.337320
1	1	59	2011	1	4	0.5215	19.720	8.0600	5.7548	37.8166	14.25	0.103547
1	1	59	2011	1	5	0.5776	21.841	8.0600	5.7548	37.8166	14.25	0.047578
1	1	59	2011	1	6	0.2257	8.524	6.8800	4.9123	37.7707	10.10	0.027524
1	1	59	2011	1	7	0.2258	8.529	6.8800	4.9123	37.7707	9.36	0.000969
1	1	59	2011	1	8	0.2105	7.684	6.8800	4.9123	36.4932	9.33	0.000281
1	1	59	2011	1	9	0.2284	8.336	6.8800	4.9123	36.4931	8.00	0.000959

1	1	59	2011	1	10	0.2276	8.307	6.8800	4.9123	36.4932	8.12	0.001996
1	1	59	2011	1	11	0.2452	8.947	6.8800	4.9123	36.4932	7.44	0.000819
1	1	59	2011	1	12	0.2556	9.327	6.8800	4.9123	36.4932	7.05	0.000002
1	1	59	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2011	1	14	0.1036	3.110	7.2800	5.1979	30.0117	32.28	0.000028
1	1	59	2011	1	15	0.0742	3.581	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2011	1	16	0.0944	4.254	6.6500	4.7481	45.0549	12.93	0.008198
1	1	59	2011	1	17	0.1030	4.869	6.6500	4.7481	47.2522	11.65	0.002544
1	1	59	2011	1	18	0.1345	7.626	6.6500	4.7481	56.6821	10.18	0.002699
1	1	59	2011	1	19	0.1492	8.456	6.6500	4.7481	56.6821	9.86	0.001293
1	1	59	2011	1	20	0.1764	11.425	6.6500	4.7481	64.7605	8.70	0.006032
1	1	59	2011	1	21	0.2160	13.987	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2011	1	22	0.2259	29.413	6.6500	4.7481	130.2221	6.58	0.010278
1	1	59	2011	1	23	0.2660	52.610	6.6500	4.7481	197.8148	6.28	0.036527
1	1	59	2011	1	24	2.2134	18.996	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2011	1	25	0.3802	10.353	6.8800	4.9123	27.2301	6.43	0.000303
1	1	59	2011	1	26	0.2063	20.167	6.6500	4.7481	97.7390	4.34	0.003655
1	1	59	2011	1	27	0.3193	8.695	6.6500	4.7481	27.2301	6.19	0.007008
1	1	59	2011	1	28	0.2596	11.415	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2011	2	1	13.2840	398.675	7.2800	5.3799	30.0117	24.09	0.281246
1	1	59	2011	2	2	10.9508	440.175	8.0600	5.7548	40.1957	18.52	0.101405
1	1	59	2011	2	3	11.6301	467.481	8.0600	5.7548	40.1957	18.52	0.337320
1	1	59	2011	2	4	16.9221	639.936	8.0600	5.7548	37.8166	14.25	0.103547
1	1	59	2011	2	5	17.2293	651.556	8.0600	5.7548	37.8166	14.25	0.047578
1	1	59	2011	2	6	6.9191	261.337	6.8800	4.9123	37.7707	10.10	0.027524
1	1	59	2011	2	7	7.6789	290.037	6.8800	4.9123	37.7707	9.36	0.000969
1	1	59	2011	2	8	7.4234	270.904	6.8800	4.9123	36.4932	9.33	0.000281
1	1	59	2011	2	9	8.6512	315.710	6.8800	4.9123	36.4931	8.00	0.000959
1	1	59	2011	2	10	8.5716	312.805	6.8800	4.9123	36.4932	8.12	0.001996
1	1	59	2011	2	11	10.1602	370.779	6.8800	4.9123	36.4932	7.44	0.000819
1	1	59	2011	2	12	10.8289	395.182	6.8800	4.9123	36.4932	7.05	0.000002
1	1	59	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2011	2	14	0.7085	21.262	7.2800	5.1979	30.0117	32.28	0.000028
1	1	59	2011	2	15	0.3049	14.721	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2011	2	16	0.4322	19.471	6.6500	4.7481	45.0549	12.93	0.008198
1	1	59	2011	2	17	0.4589	21.683	6.6500	4.7481	47.2522	11.65	0.002544
1	1	59	2011	2	18	0.6487	36.768	6.6500	4.7481	56.6821	10.18	0.002699
1	1	59	2011	2	19	0.6997	39.661	6.6500	4.7481	56.6821	9.86	0.001293
1	1	59	2011	2	20	0.6714	43.480	6.6500	4.7481	64.7605	8.70	0.006032
1	1	59	2011	2	21	0.8265	53.527	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2011	2	22	1.0797	140.594	6.6500	4.7481	130.2221	6.58	0.010278
1	1	59	2011	2	23	1.3609	269.215	6.6500	4.7481	197.8148	6.28	0.036527
1	1	59	2011	2	24	16.2862	139.772	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2011	2	25	12.3351	335.888	6.8800	4.9123	27.2301	6.43	0.000303
1	1	59	2011	2	26	2.1153	206.745	6.6500	4.7481	97.7390	4.34	0.003655
1	1	59	2011	2	27	1.2795	34.842	6.6500	4.7481	27.2301	6.19	0.007008
1	1	59	2011	2	28	0.5275	23.196	8.0600	5.7548	43.9743	17.00	0.002242

1	1	59	2011	3	1	0.5240	15.727	7.2800	5.3799	30.0117	24.09	0.281246
1	1	59	2011	3	2	0.3726	14.977	8.0600	5.7548	40.1957	18.52	0.101405
1	1	59	2011	3	3	0.5642	22.680	8.0600	5.7548	40.1957	18.52	0.337320
1	1	59	2011	3	4	1.0719	40.537	8.0600	5.7548	37.8166	14.25	0.103547
1	1	59	2011	3	5	1.4658	55.431	8.0600	5.7548	37.8166	14.25	0.047578
1	1	59	2011	3	6	2.2908	86.523	6.8800	4.9123	37.7707	10.10	0.027524
1	1	59	2011	3	7	2.4219	91.476	6.8800	4.9123	37.7707	9.36	0.000969
1	1	59	2011	3	8	2.1381	78.025	6.8800	4.9123	36.4932	9.33	0.000281
1	1	59	2011	3	9	2.4809	90.538	6.8800	4.9123	36.4931	8.00	0.000959
1	1	59	2011	3	10	2.4650	89.957	6.8800	4.9123	36.4932	8.12	0.001996
1	1	59	2011	3	11	2.7185	99.207	6.8800	4.9123	36.4932	7.44	0.000819
1	1	59	2011	3	12	2.9024	105.919	6.8800	4.9123	36.4932	7.05	0.000002
1	1	59	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2011	3	14	0.3800	11.404	7.2800	5.1979	30.0117	32.28	0.000028
1	1	59	2011	3	15	0.2444	11.803	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2011	3	16	3.1112	140.175	6.6500	4.7481	45.0549	12.93	0.008198
1	1	59	2011	3	17	3.2765	154.820	6.6500	4.7481	47.2522	11.65	0.002544
1	1	59	2011	3	18	4.5271	256.605	6.6500	4.7481	56.6821	10.18	0.002699
1	1	59	2011	3	19	4.8945	277.429	6.6500	4.7481	56.6821	9.86	0.001293
1	1	59	2011	3	20	5.6691	367.136	6.6500	4.7481	64.7605	8.70	0.006032
1	1	59	2011	3	21	7.0043	453.603	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2011	3	22	7.8984	1028.551	6.6500	4.7481	130.2221	6.58	0.010278
1	1	59	2011	3	23	9.4462	1868.606	6.6500	4.7481	197.8148	6.28	0.036527
1	1	59	2011	3	24	2.6968	23.144	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2011	3	25	4.7851	130.300	6.8800	4.9123	27.2301	6.43	0.000303
1	1	59	2011	3	26	16.6656	1628.878	6.6500	4.7481	97.7390	4.34	0.003655
1	1	59	2011	3	27	11.5178	313.631	6.6500	4.7481	27.2301	6.19	0.007008
1	1	59	2011	3	28	0.8476	37.274	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	60	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	60	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	60	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	60	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	60	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	60	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	60	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	60	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	60	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	60	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	60	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	60	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	60	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	60	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	60	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	60	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293

1	1	60	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	60	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	60	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	60	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	60	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	60	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	60	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2011	1	1	0.3320	9.964	7.2800	5.3799	30.0117	24.09	0.281246
1	1	60	2011	1	2	0.2070	8.322	8.0600	5.7548	40.1957	18.52	0.101405
1	1	60	2011	1	3	0.2418	9.719	8.0600	5.7548	40.1957	18.52	0.337320
1	1	60	2011	1	4	0.5199	19.661	8.0600	5.7548	37.8166	14.25	0.103547
1	1	60	2011	1	5	0.5759	21.777	8.0600	5.7548	37.8166	14.25	0.047578
1	1	60	2011	1	6	0.2256	8.523	6.8800	4.9123	37.7707	10.10	0.027524
1	1	60	2011	1	7	0.2258	8.528	6.8800	4.9123	37.7707	9.36	0.000969
1	1	60	2011	1	8	0.2106	7.685	6.8800	4.9123	36.4932	9.33	0.000281
1	1	60	2011	1	9	0.2286	8.341	6.8800	4.9123	36.4931	8.00	0.000959
1	1	60	2011	1	10	0.2278	8.312	6.8800	4.9123	36.4932	8.12	0.001996
1	1	60	2011	1	11	0.2454	8.957	6.8800	4.9123	36.4932	7.44	0.000819
1	1	60	2011	1	12	0.2559	9.339	6.8800	4.9123	36.4932	7.05	0.000002
1	1	60	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2011	1	14	0.1036	3.110	7.2800	5.1979	30.0117	32.28	0.000028
1	1	60	2011	1	15	0.0742	3.581	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2011	1	16	0.0944	4.254	6.6500	4.7481	45.0549	12.93	0.008198
1	1	60	2011	1	17	0.1030	4.869	6.6500	4.7481	47.2522	11.65	0.002544
1	1	60	2011	1	18	0.1345	7.626	6.6500	4.7481	56.6821	10.18	0.002699
1	1	60	2011	1	19	0.1492	8.456	6.6500	4.7481	56.6821	9.86	0.001293
1	1	60	2011	1	20	0.1764	11.425	6.6500	4.7481	64.7605	8.70	0.006032
1	1	60	2011	1	21	0.2160	13.987	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2011	1	22	0.2259	29.413	6.6500	4.7481	130.2221	6.58	0.010278
1	1	60	2011	1	23	0.2660	52.610	6.6500	4.7481	197.8148	6.28	0.036527
1	1	60	2011	1	24	2.2806	19.573	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2011	1	25	0.3802	10.354	6.8800	4.9123	27.2301	6.43	0.000303
1	1	60	2011	1	26	0.2063	20.167	6.6500	4.7481	97.7390	4.34	0.003655
1	1	60	2011	1	27	0.3193	8.695	6.6500	4.7481	27.2301	6.19	0.007008
1	1	60	2011	1	28	0.2596	11.415	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2011	2	1	13.3477	400.586	7.2800	5.3799	30.0117	24.09	0.281246
1	1	60	2011	2	2	11.0086	442.497	8.0600	5.7548	40.1957	18.52	0.101405
1	1	60	2011	2	3	11.6925	469.986	8.0600	5.7548	40.1957	18.52	0.337320
1	1	60	2011	2	4	17.0155	643.468	8.0600	5.7548	37.8166	14.25	0.103547
1	1	60	2011	2	5	17.3239	655.133	8.0600	5.7548	37.8166	14.25	0.047578
1	1	60	2011	2	6	7.1954	271.777	6.8800	4.9123	37.7707	10.10	0.027524
1	1	60	2011	2	7	7.9856	301.623	6.8800	4.9123	37.7707	9.36	0.000969
1	1	60	2011	2	8	7.7199	281.725	6.8800	4.9123	36.4932	9.33	0.000281
1	1	60	2011	2	9	8.9968	328.322	6.8800	4.9123	36.4931	8.00	0.000959
1	1	60	2011	2	10	8.9140	325.300	6.8800	4.9123	36.4932	8.12	0.001996

1	1	60	2011	2	11	10.5661	385.590	6.8800	4.9123	36.4932	7.44	0.000819
1	1	60	2011	2	12	11.2615	410.968	6.8800	4.9123	36.4932	7.05	0.000002
1	1	60	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2011	2	14	0.7187	21.568	7.2800	5.1979	30.0117	32.28	0.000028
1	1	60	2011	2	15	0.3097	14.956	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2011	2	16	0.4434	19.976	6.6500	4.7481	45.0549	12.93	0.008198
1	1	60	2011	2	17	0.4708	22.246	6.6500	4.7481	47.2522	11.65	0.002544
1	1	60	2011	2	18	0.6655	37.722	6.6500	4.7481	56.6821	10.18	0.002699
1	1	60	2011	2	19	0.7179	40.690	6.6500	4.7481	56.6821	9.86	0.001293
1	1	60	2011	2	20	0.6888	44.608	6.6500	4.7481	64.7605	8.70	0.006032
1	1	60	2011	2	21	0.8480	54.916	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2011	2	22	1.1077	144.242	6.6500	4.7481	130.2221	6.58	0.010278
1	1	60	2011	2	23	1.3963	276.200	6.6500	4.7481	197.8148	6.28	0.036527
1	1	60	2011	2	24	17.3517	148.916	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2011	2	25	12.8279	349.305	6.8800	4.9123	27.2301	6.43	0.000303
1	1	60	2011	2	26	2.1702	212.109	6.6500	4.7481	97.7390	4.34	0.003655
1	1	60	2011	2	27	1.3127	35.746	6.6500	4.7481	27.2301	6.19	0.007008
1	1	60	2011	2	28	0.5354	23.543	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2011	3	1	0.5266	15.803	7.2800	5.3799	30.0117	24.09	0.281246
1	1	60	2011	3	2	0.3747	15.059	8.0600	5.7548	40.1957	18.52	0.101405
1	1	60	2011	3	3	0.5667	22.779	8.0600	5.7548	40.1957	18.52	0.337320
1	1	60	2011	3	4	1.0757	40.678	8.0600	5.7548	37.8166	14.25	0.103547
1	1	60	2011	3	5	1.4698	55.584	8.0600	5.7548	37.8166	14.25	0.047578
1	1	60	2011	3	6	2.3054	87.078	6.8800	4.9123	37.7707	10.10	0.027524
1	1	60	2011	3	7	2.4374	92.062	6.8800	4.9123	37.7707	9.36	0.000969
1	1	60	2011	3	8	2.1518	78.525	6.8800	4.9123	36.4932	9.33	0.000281
1	1	60	2011	3	9	2.4969	91.118	6.8800	4.9123	36.4931	8.00	0.000959
1	1	60	2011	3	10	2.4809	90.534	6.8800	4.9123	36.4932	8.12	0.001996
1	1	60	2011	3	11	2.7359	99.843	6.8800	4.9123	36.4932	7.44	0.000819
1	1	60	2011	3	12	2.9210	106.598	6.8800	4.9123	36.4932	7.05	0.000002
1	1	60	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2011	3	14	0.3952	11.860	7.2800	5.1979	30.0117	32.28	0.000028
1	1	60	2011	3	15	0.2543	12.278	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2011	3	16	3.2394	145.953	6.6500	4.7481	45.0549	12.93	0.008198
1	1	60	2011	3	17	3.4115	161.202	6.6500	4.7481	47.2522	11.65	0.002544
1	1	60	2011	3	18	4.7137	267.183	6.6500	4.7481	56.6821	10.18	0.002699
1	1	60	2011	3	19	5.0962	288.866	6.6500	4.7481	56.6821	9.86	0.001293
1	1	60	2011	3	20	5.9053	382.430	6.6500	4.7481	64.7605	8.70	0.006032
1	1	60	2011	3	21	7.2961	472.500	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2011	3	22	8.2197	1070.387	6.6500	4.7481	130.2221	6.58	0.010278
1	1	60	2011	3	23	9.8259	1943.699	6.6500	4.7481	197.8148	6.28	0.036527
1	1	60	2011	3	24	2.7414	23.527	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2011	3	25	4.8158	131.135	6.8800	4.9123	27.2301	6.43	0.000303
1	1	60	2011	3	26	17.3642	1697.160	6.6500	4.7481	97.7390	4.34	0.003655
1	1	60	2011	3	27	12.0004	326.773	6.6500	4.7481	27.2301	6.19	0.007008
1	1	60	2011	3	28	0.8818	38.775	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246

1	1	61	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	61	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	61	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	61	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	61	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	61	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	61	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	61	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	61	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	61	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	61	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	61	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	61	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	61	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	61	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	61	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	61	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	61	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	61	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	61	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	61	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	61	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	61	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2011	1	1	0.3314	9.944	7.2800	5.3799	30.0117	24.09	0.281246
1	1	61	2011	1	2	0.2070	8.321	8.0600	5.7548	40.1957	18.52	0.101405
1	1	61	2011	1	3	0.2418	9.720	8.0600	5.7548	40.1957	18.52	0.337320
1	1	61	2011	1	4	0.5184	19.602	8.0600	5.7548	37.8166	14.25	0.103547
1	1	61	2011	1	5	0.5742	21.716	8.0600	5.7548	37.8166	14.25	0.047578
1	1	61	2011	1	6	0.2256	8.521	6.8800	4.9123	37.7707	10.10	0.027524
1	1	61	2011	1	7	0.2257	8.526	6.8800	4.9123	37.7707	9.36	0.000969
1	1	61	2011	1	8	0.2106	7.686	6.8800	4.9123	36.4932	9.33	0.000281
1	1	61	2011	1	9	0.2287	8.347	6.8800	4.9123	36.4931	8.00	0.000959
1	1	61	2011	1	10	0.2279	8.317	6.8800	4.9123	36.4932	8.12	0.001996
1	1	61	2011	1	11	0.2457	8.966	6.8800	4.9123	36.4932	7.44	0.000819
1	1	61	2011	1	12	0.2562	9.351	6.8800	4.9123	36.4932	7.05	0.000002
1	1	61	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2011	1	14	0.1036	3.110	7.2800	5.1979	30.0117	32.28	0.000028
1	1	61	2011	1	15	0.0742	3.581	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2011	1	16	0.0944	4.254	6.6500	4.7481	45.0549	12.93	0.008198
1	1	61	2011	1	17	0.1030	4.869	6.6500	4.7481	47.2522	11.65	0.002544
1	1	61	2011	1	18	0.1345	7.626	6.6500	4.7481	56.6821	10.18	0.002699
1	1	61	2011	1	19	0.1492	8.456	6.6500	4.7481	56.6821	9.86	0.001293
1	1	61	2011	1	20	0.1764	11.425	6.6500	4.7481	64.7605	8.70	0.006032

1	1	61	2011	1	21	0.2160	13.987	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2011	1	22	0.2259	29.413	6.6500	4.7481	130.2221	6.58	0.010278
1	1	61	2011	1	23	0.2660	52.610	6.6500	4.7481	197.8148	6.28	0.036527
1	1	61	2011	1	24	2.3457	20.131	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2011	1	25	0.3802	10.354	6.8800	4.9123	27.2301	6.43	0.000303
1	1	61	2011	1	26	0.2063	20.167	6.6500	4.7481	97.7390	4.34	0.003655
1	1	61	2011	1	27	0.3193	8.695	6.6500	4.7481	27.2301	6.19	0.007008
1	1	61	2011	1	28	0.2596	11.415	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2011	2	1	13.4094	402.438	7.2800	5.3799	30.0117	24.09	0.281246
1	1	61	2011	2	2	11.0645	444.746	8.0600	5.7548	40.1957	18.52	0.101405
1	1	61	2011	2	3	11.7528	472.413	8.0600	5.7548	40.1957	18.52	0.337320
1	1	61	2011	2	4	17.1060	646.890	8.0600	5.7548	37.8166	14.25	0.103547
1	1	61	2011	2	5	17.4156	658.599	8.0600	5.7548	37.8166	14.25	0.047578
1	1	61	2011	2	6	7.4632	281.890	6.8800	4.9123	37.7707	10.10	0.027524
1	1	61	2011	2	7	8.2828	312.846	6.8800	4.9123	37.7707	9.36	0.000969
1	1	61	2011	2	8	8.0072	292.208	6.8800	4.9123	36.4932	9.33	0.000281
1	1	61	2011	2	9	9.3316	340.539	6.8800	4.9123	36.4931	8.00	0.000959
1	1	61	2011	2	10	9.2457	337.405	6.8800	4.9123	36.4932	8.12	0.001996
1	1	61	2011	2	11	10.9593	399.938	6.8800	4.9123	36.4932	7.44	0.000819
1	1	61	2011	2	12	11.6806	426.261	6.8800	4.9123	36.4932	7.05	0.000002
1	1	61	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2011	2	14	0.7285	21.865	7.2800	5.1979	30.0117	32.28	0.000028
1	1	61	2011	2	15	0.3144	15.183	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2011	2	16	0.4542	20.465	6.6500	4.7481	45.0549	12.93	0.008198
1	1	61	2011	2	17	0.4823	22.791	6.6500	4.7481	47.2522	11.65	0.002544
1	1	61	2011	2	18	0.6818	38.646	6.6500	4.7481	56.6821	10.18	0.002699
1	1	61	2011	2	19	0.7354	41.687	6.6500	4.7481	56.6821	9.86	0.001293
1	1	61	2011	2	20	0.7057	45.701	6.6500	4.7481	64.7605	8.70	0.006032
1	1	61	2011	2	21	0.8688	56.262	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2011	2	22	1.1348	147.776	6.6500	4.7481	130.2221	6.58	0.010278
1	1	61	2011	2	23	1.4305	282.966	6.6500	4.7481	197.8148	6.28	0.036527
1	1	61	2011	2	24	18.3840	157.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2011	2	25	13.3052	362.303	6.8800	4.9123	27.2301	6.43	0.000303
1	1	61	2011	2	26	2.2233	217.305	6.6500	4.7481	97.7390	4.34	0.003655
1	1	61	2011	2	27	1.3449	36.622	6.6500	4.7481	27.2301	6.19	0.007008
1	1	61	2011	2	28	0.5430	23.879	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2011	3	1	0.5290	15.877	7.2800	5.3799	30.0117	24.09	0.281246
1	1	61	2011	3	2	0.3766	15.139	8.0600	5.7548	40.1957	18.52	0.101405
1	1	61	2011	3	3	0.5691	22.875	8.0600	5.7548	40.1957	18.52	0.337320
1	1	61	2011	3	4	1.0793	40.814	8.0600	5.7548	37.8166	14.25	0.103547
1	1	61	2011	3	5	1.4737	55.731	8.0600	5.7548	37.8166	14.25	0.047578
1	1	61	2011	3	6	2.3197	87.615	6.8800	4.9123	37.7707	10.10	0.027524
1	1	61	2011	3	7	2.4524	92.630	6.8800	4.9123	37.7707	9.36	0.000969
1	1	61	2011	3	8	2.1651	79.010	6.8800	4.9123	36.4932	9.33	0.000281
1	1	61	2011	3	9	2.5123	91.680	6.8800	4.9123	36.4931	8.00	0.000959
1	1	61	2011	3	10	2.4962	91.093	6.8800	4.9123	36.4932	8.12	0.001996
1	1	61	2011	3	11	2.7528	100.459	6.8800	4.9123	36.4932	7.44	0.000819

1	1	61	2011	3	12	2.9391	107.256	6.8800	4.9123	36.4932	7.05	0.000002
1	1	61	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2011	3	14	0.4099	12.303	7.2800	5.1979	30.0117	32.28	0.000028
1	1	61	2011	3	15	0.2638	12.738	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2011	3	16	3.3637	151.551	6.6500	4.7481	45.0549	12.93	0.008198
1	1	61	2011	3	17	3.5424	167.385	6.6500	4.7481	47.2522	11.65	0.002544
1	1	61	2011	3	18	4.8945	277.430	6.6500	4.7481	56.6821	10.18	0.002699
1	1	61	2011	3	19	5.2917	299.945	6.6500	4.7481	56.6821	9.86	0.001293
1	1	61	2011	3	20	6.1341	397.247	6.6500	4.7481	64.7605	8.70	0.006032
1	1	61	2011	3	21	7.5788	490.808	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2011	3	22	8.5309	1110.916	6.6500	4.7481	130.2221	6.58	0.010278
1	1	61	2011	3	23	10.1936	2016.446	6.6500	4.7481	197.8148	6.28	0.036527
1	1	61	2011	3	24	2.7846	23.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2011	3	25	4.8455	131.945	6.8800	4.9123	27.2301	6.43	0.000303
1	1	61	2011	3	26	18.0410	1763.308	6.6500	4.7481	97.7390	4.34	0.003655
1	1	61	2011	3	27	12.4679	339.504	6.6500	4.7481	27.2301	6.19	0.007008
1	1	61	2011	3	28	0.9148	40.230	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2011	4	1	368.1	11047.1	7.2800	5.3799	30.0117	24.09	0.281246
1	1	62	2011	4	2	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.101405
1	1	62	2011	4	3	478.8	19245.9	8.0600	5.7548	40.1957	18.52	0.337320
1	1	62	2011	4	4	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.103547
1	1	62	2011	4	5	622.2	23529.2	8.0600	5.7548	37.8166	14.25	0.047578
1	1	62	2011	4	6	878.0	33162.6	6.8800	4.9123	37.7707	10.10	0.027524
1	1	62	2011	4	7	947.2	35776.9	6.8800	4.9123	37.7707	9.36	0.000969
1	1	62	2011	4	8	951.0	34704.5	6.8800	4.9123	36.4932	9.33	0.000281
1	1	62	2011	4	9	1108.7	40460.9	6.8800	4.9123	36.4931	8.00	0.000959
1	1	62	2011	4	10	1092.4	39865.3	6.8800	4.9123	36.4932	8.12	0.001996
1	1	62	2011	4	11	1192.7	43526.7	6.8800	4.9123	36.4932	7.44	0.000819
1	1	62	2011	4	12	1257.2	45878.8	6.8800	4.9123	36.4932	7.05	0.000002
1	1	62	2011	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2011	4	14	315.3	9461.2	7.2800	5.1979	30.0117	32.28	0.000028
1	1	62	2011	4	15	460.4	22232.4	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2011	4	16	786.9	35451.7	6.6500	4.7481	45.0549	12.93	0.008198
1	1	62	2011	4	17	873.8	41290.7	6.6500	4.7481	47.2522	11.65	0.002544
1	1	62	2011	4	18	999.5	56654.8	6.6500	4.7481	56.6821	10.18	0.002699
1	1	62	2011	4	19	1032.4	58516.2	6.6500	4.7481	56.6821	9.86	0.001293
1	1	62	2011	4	20	1169.6	75742.5	6.6500	4.7481	64.7605	8.70	0.006032
1	1	62	2011	4	21	1351.7	87537.1	6.6500	4.7481	64.7605	7.53	0.008655
1	1	62	2011	4	22	1546.3	201361.0	6.6500	4.7481	130.2221	6.58	0.010278
1	1	62	2011	4	23	1619.2	320296.8	6.6500	4.7481	197.8148	6.28	0.036527
1	1	62	2011	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	62	2011	4	25	1379.1	37554.4	6.8800	4.9123	27.2301	6.43	0.000303
1	1	62	2011	4	26	2345.7	229268.0	6.6500	4.7481	97.7390	4.34	0.003655
1	1	62	2011	4	27	1644.5	44779.3	6.6500	4.7481	27.2301	6.19	0.007008
1	1	62	2011	4	28	598.6	26321.1	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2011	1	1	0.3307	9.925	7.2800	5.3799	30.0117	24.09	0.281246
1	1	62	2011	1	2	0.2070	8.319	8.0600	5.7548	40.1957	18.52	0.101405

1	1	62	2011	1	3	0.2419	9.722	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	62	2011	1	4	0.5169	19.546	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	62	2011	1	5	0.5727	21.656	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	62	2011	1	6	0.2256	8.520	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	62	2011	1	7	0.2257	8.525	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	62	2011	1	8	0.2106	7.687	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	62	2011	1	9	0.2289	8.352	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	62	2011	1	10	0.2280	8.322	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	62	2011	1	11	0.2459	8.975	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	62	2011	1	12	0.2566	9.362	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	62	2011	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	62	2011	1	14	0.1036	3.110	7.2800	5.1979	30.0117	32.28
0.000028											
1	1	62	2011	1	15	0.0742	3.581	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	62	2011	1	16	0.0944	4.254	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	62	2011	1	17	0.1030	4.869	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	62	2011	1	18	0.1345	7.626	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	62	2011	1	19	0.1492	8.456	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	62	2011	1	20	0.1764	11.425	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	62	2011	1	21	0.2160	13.987	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	62	2011	1	22	0.2259	29.413	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	62	2011	1	23	0.2660	52.610	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	62	2011	1	24	2.4088	20.672	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	62	2011	1	25	0.3803	10.355	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	62	2011	1	26	0.2063	20.167	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	62	2011	1	27	0.3193	8.695	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	62	2011	1	28	0.2596	11.415	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	62	2011	2	1	13.4692	404.233	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	62	2011	2	2	11.1188	446.926	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	62	2011	2	3	11.8113	474.765	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	62	2011	2	4	17.1937	650.207	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	62	2011	2	5	17.5044	661.958	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	62	2011	2	6	7.7227	291.692	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	62	2011	2	7	8.5708	323.725	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	62	2011	2	8	8.2856	302.369	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	62	2011	2	9	9.6561	352.380	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	62	2011	2	10	9.5672	349.137	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	62	2011	2	11	11.3403	413.845	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	62	2011	2	12	12.0867	441.083	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	62	2011	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
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0.000028											
1	1	62	2011	2	15	0.3190	15.403	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	62	2011	2	16	0.4648	20.940	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	62	2011	2	17	0.4935	23.319	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	62	2011	2	18	0.6976	39.542	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	62	2011	2	19	0.7525	42.653	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	62	2011	2	20	0.7220	46.760	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	62	2011	2	21	0.8889	57.565	6.6500	4.7481	64.7605	7.53
0.008655											

1	1	62	2011	2	22	1.1611	151.200	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	62	2011	2	23	1.4636	289.524	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	62	2011	2	24	19.3844	166.362	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	62	2011	2	25	13.7679	374.901	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	62	2011	2	26	2.2749	222.342	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	62	2011	2	27	1.3761	37.471	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	62	2011	2	28	0.5505	24.206	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	62	2011	3	1	0.5314	15.948	7.2800	5.3799	30.0117	24.09
0.281246											
1	1	62	2011	3	2	0.3786	15.216	8.0600	5.7548	40.1957	18.52
0.101405											
1	1	62	2011	3	3	0.5714	22.968	8.0600	5.7548	40.1957	18.52
0.337320											
1	1	62	2011	3	4	1.0828	40.947	8.0600	5.7548	37.8166	14.25
0.103547											
1	1	62	2011	3	5	1.4775	55.874	8.0600	5.7548	37.8166	14.25
0.047578											
1	1	62	2011	3	6	2.3335	88.136	6.8800	4.9123	37.7707	10.10
0.027524											
1	1	62	2011	3	7	2.4670	93.181	6.8800	4.9123	37.7707	9.36
0.000969											
1	1	62	2011	3	8	2.1779	79.480	6.8800	4.9123	36.4932	9.33
0.000281											
1	1	62	2011	3	9	2.5272	92.225	6.8800	4.9123	36.4931	8.00
0.000959											
1	1	62	2011	3	10	2.5110	91.634	6.8800	4.9123	36.4932	8.12
0.001996											
1	1	62	2011	3	11	2.7692	101.057	6.8800	4.9123	36.4932	7.44
0.000819											
1	1	62	2011	3	12	2.9565	107.893	6.8800	4.9123	36.4932	7.05
0.000002											
1	1	62	2011	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
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0.000028											
1	1	62	2011	3	15	0.2731	13.185	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	62	2011	3	16	3.4841	156.976	6.6500	4.7481	45.0549	12.93
0.008198											
1	1	62	2011	3	17	3.6692	173.377	6.6500	4.7481	47.2522	11.65
0.002544											
1	1	62	2011	3	18	5.0697	287.362	6.6500	4.7481	56.6821	10.18
0.002699											
1	1	62	2011	3	19	5.4811	310.683	6.6500	4.7481	56.6821	9.86
0.001293											
1	1	62	2011	3	20	6.3559	411.608	6.6500	4.7481	64.7605	8.70
0.006032											
1	1	62	2011	3	21	7.8528	508.552	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	62	2011	3	22	8.8326	1150.198	6.6500	4.7481	130.2221	6.58
0.010278											
1	1	62	2011	3	23	10.5500	2086.955	6.6500	4.7481	197.8148	6.28
0.036527											
1	1	62	2011	3	24	2.8265	24.258	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	62	2011	3	25	4.8743	132.729	6.8800	4.9123	27.2301	6.43
0.000303											
1	1	62	2011	3	26	18.6969	1827.421	6.6500	4.7481	97.7390	4.34
0.003655											
1	1	62	2011	3	27	12.9211	351.844	6.6500	4.7481	27.2301	6.19
0.007008											
1	1	62	2011	3	28	0.9469	41.639	8.0600	5.7548	43.9743	17.00
0.002242											

```
MOBILE6 INPUT FILE Baltimore County

REPORT FILE        :  C:\mobile62\Mobile6\Run\Balt\rcnty13w.out      REPLACE
DATABASE OUTPUT    :
WITH FIELDNAMES    :
EMISSIONS TABLE    :  C:\mobile62\Mobile6\Run\Balt\rcnty13w.tbl    REPLACE
POLLUTANTS         :  HC CO NOX CO2
AGGREGATED OUTPUT  :
RUN DATA           :

FUEL RVP           : 6.8
EXPRESS HC AS VOC  :
EXPAND EXHAUST     :
EXPAND EVAPORATIVE :
NO REFUELING       :
ANTI-TAMP PROGRAM  :         89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : C:\mobile62\Mobile6\Run\Balt\im2010.d
T2 EXH PHASE-IN    : C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11
T2 EVAP PHASE-IN   : C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11
T2 CERT            : C:\mobile62\Mobile6\Run\Balt\LevIIStd.d
94+ LDG IMP        : C:\mobile62\Mobile6\Run\Balt\LevII94.S11
REG DISTRIBUTION   : C:\mobile62\Mobile6\Run\Balt\regdat05.bal
REBUILD EFFECTS    : .90
DIESEL FRACTIONS   :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001
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0.9585 0.9585 0.9585 0.9585 0.9585


SCENARIO RECORD    : sPEED=2.5

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
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CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 2.5 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2013\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2013\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2013\V003103S.def

SCENARIO RECORD    : sPEED=5.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 5.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=6.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 6.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
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*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=7.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 7.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=8.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 8.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=9.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
```

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DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 9.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=10.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 10.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=11

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 11. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
```

```
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=12

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 12. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=13

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 13. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
```

```
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=14.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 14. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=15

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 15. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=16

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
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RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 16. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=17

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 17. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=18

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 18. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
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SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD     : sPEED=19

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2013
EVALUATION MONTH    : 1
AVERAGE SPEED       : 19. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD     : sPEED=20

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2013
EVALUATION MONTH    : 1
AVERAGE SPEED       : 20. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\V003103S.def
```

```
SCENARIO RECORD    : sPEED=21.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 21. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=22

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 22. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=23

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
```

```
EVALUATION MONTH   : 1
AVERAGE SPEED      : 23. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=24

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 24. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=25

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 25. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
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*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=26

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 26. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=27

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 27. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=28.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
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HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 28. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=29.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 29. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=30.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 30. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
```

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1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=31

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 31. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=32.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 32. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
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VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=33

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 33. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=34.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 34. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=35

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
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66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 35. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=36

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 36. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=37

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 37. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
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CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=38

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 38. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=39

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 39. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=40
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PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 40. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=41

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 41. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=42

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 42. ARTERIAL
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FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=43

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 43. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=44

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 44. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
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                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=45

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 45. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=46

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 46. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=47

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
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34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 47. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=48

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 48. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=49

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 49. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
```

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OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=50

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 50. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=51

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 51. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def
```

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SCENARIO RECORD    : sPEED=52

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 52. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=53

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 53. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=54

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
```

```
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 54. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=55

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 55. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=56

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 56. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
```

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*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=57

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 57. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=58

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 58. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=59

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
```

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DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 59. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=60

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 60. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=61

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 61. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
```

```
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=62

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 62. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=63

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 63. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
```

```
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=64

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 64. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def

SCENARIO RECORD    : sPEED=65

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 65. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V003103S.def


END OF RUN         :
```

```
MOBILE6 INPUT FILE

REPORT FILE        :  C:\mobile62\Mobile6\Run\Balt\red2013w.out      REPLACE
DATABASE OUTPUT    :
WITH FIELDNAMES    :
EMISSIONS TABLE    :  C:\mobile62\Mobile6\Run\Balt\red2013w.tbl    REPLACE
POLLUTANTS         :  HC CO NOX CO2
AGGREGATED OUTPUT  :
RUN DATA           :

FUEL RVP           : 6.8
EXPRESS HC AS VOC  :
EXPAND EXHAUST     :
EXPAND EVAPORATIVE :
NO REFUELING       :
ANTI-TAMP PROGRAM  :         89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : C:\mobile62\Mobile6\Run\Balt\im2010.d
T2 EXH PHASE-IN    : C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11
T2 EVAP PHASE-IN   : C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11
T2 CERT            : C:\mobile62\Mobile6\Run\Balt\LevIIStd.d
94+ LDG IMP        : C:\mobile62\Mobile6\Run\Balt\LevII94.S11
REG DISTRIBUTION   : C:\mobile62\Mobile6\Run\Balt\regdat05.bal
REBUILD EFFECTS    : .90
DIESEL FRACTIONS   :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001
0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085
0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085
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0.0085 0.0085 0.0085 0.0085 0.0085
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
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0.0126 0.0126 0.0126 0.0126 0.0126
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
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0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
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0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606
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0.8606 0.8606 0.8606 0.8606 0.8606
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
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0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
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0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8563
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9992
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.9585


SCENARIO RECORD    : sPEED=2.5

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
```

```
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 2.5 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=5.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 5.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=6.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 6.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
```

```
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=7.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 7.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=8.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 8.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=9.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
```

```
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 9.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=10.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 10.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=11

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 11. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
```

```
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=12

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 12. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=13

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 13. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
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VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=14.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 14. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=15

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 15. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=16

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
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RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 16. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=17

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 17. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=18

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 18. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
```

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SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD     : sPEED=19

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2013
EVALUATION MONTH    : 1
AVERAGE SPEED       : 19. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD     : sPEED=20

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2013
EVALUATION MONTH    : 1
AVERAGE SPEED       : 20. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\V001101S.def
```

```
SCENARIO RECORD    : sPEED=21.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 21. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=22

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 22. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=23

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
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EVALUATION MONTH   : 1
AVERAGE SPEED      : 23. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=24

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 24. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=25

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 25. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
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*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=26

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 26. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=27

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 27. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=28.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
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HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 28. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=29.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 29. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=30.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 30. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
```

```
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=31

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 31. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=32.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 32. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
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VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=33

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 33. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=34.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 34. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=35

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
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66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 35. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=36

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 36. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=37

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 37. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
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CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=38

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 38. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=39

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 39. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=40
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PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 40. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=41

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 41. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=42

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 42. ARTERIAL
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FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=43

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 43. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=44

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 44. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
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                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=45

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 45. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=46

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 46. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=47

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
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34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 47. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=48

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 48. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=49

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 49. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
```

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OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=50

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 50. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=51

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 51. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def
```

```
SCENARIO RECORD    : sPEED=52

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 52. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=53

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 53. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=54

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
```

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CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 54. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=55

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 55. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=56

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 56. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
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*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=57

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 57. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=58

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 58. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=59

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
```

```
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 59. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=60

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 60. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=61

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 61. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
```

```
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=62

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 62. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=63

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 63. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
```

```
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=64

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 64. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=65

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 65. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def


END OF RUN         :
```

```
MOBILE6 INPUT FILE

REPORT FILE        :  C:\mobile62\Mobile6\Run\Balt\red2035w.out      REPLACE
DATABASE OUTPUT    :
WITH FIELDNAMES    :
EMISSIONS TABLE    :  C:\mobile62\Mobile6\Run\Balt\red2035w.tbl    REPLACE
POLLUTANTS         :  HC CO NOX CO2
AGGREGATED OUTPUT  :
RUN DATA           :

FUEL RVP           : 6.8
EXPRESS HC AS VOC  :
EXPAND EXHAUST     :
EXPAND EVAPORATIVE :
NO REFUELING       :
ANTI-TAMP PROGRAM  :         89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : C:\mobile62\Mobile6\Run\Balt\im2010.d
T2 EXH PHASE-IN    : C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11
T2 EVAP PHASE-IN   : C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11
T2 CERT            : C:\mobile62\Mobile6\Run\Balt\LevIIStd.d
94+ LDG IMP        : C:\mobile62\Mobile6\Run\Balt\LevII94.S11
REG DISTRIBUTION   : C:\mobile62\Mobile6\Run\Balt\regdat05.bal
REBUILD EFFECTS    : .90
DIESEL FRACTIONS   :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001
0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085
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0.0085 0.0085 0.0085 0.0085 0.0085
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
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0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
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0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9992
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1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.9585


SCENARIO RECORD    : sPEED=2.5

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
```

```
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 2.5 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=5.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 5.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=6.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 6.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
```

```
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=7.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 7.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=8.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 8.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=9.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
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DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 9.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=10.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 10.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=11

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 11. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
```

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30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=12

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 12. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=13

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 13. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
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VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=14.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 14. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=15

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 15. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=16

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
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RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 16. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=17

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 17. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=18

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 18. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
```

```
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD     : sPEED=19

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2035
EVALUATION MONTH    : 1
AVERAGE SPEED       : 19. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD     : sPEED=20

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2035
EVALUATION MONTH    : 1
AVERAGE SPEED       : 20. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\V001101S.def
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SCENARIO RECORD    : sPEED=21.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 21. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=22

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 22. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=23

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
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EVALUATION MONTH   : 1
AVERAGE SPEED      : 23. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=24

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 24. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=25

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 25. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
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*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=26

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 26. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=27

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 27. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=28.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
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HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 28. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=29.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 29. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=30.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 30. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
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1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=31

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 31. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=32.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 32. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
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VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=33

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 33. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=34.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 34. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=35

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
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66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 35. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=36

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 36. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=37

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 37. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
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CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=38

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 38. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=39

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 39. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=40
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PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 40. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=41

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 41. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=42

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 42. ARTERIAL
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FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=43

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 43. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=44

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 44. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
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                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=45

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 45. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=46

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 46. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=47

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
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34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 47. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=48

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 48. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=49

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 49. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
```

```
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=50

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 50. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=51

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 51. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def
```

```
SCENARIO RECORD    : sPEED=52

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 52. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=53

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 53. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=54

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
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CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 54. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=55

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 55. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=56

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 56. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
```

```
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=57

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 57. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=58

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 58. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=59

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
```

```
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 59. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=60

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 60. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=61

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 61. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
```

```
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=62

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 62. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=63

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 63. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
```

```
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=64

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 64. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=65

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 65. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def


END OF RUN         :
```

```
MOBILE6 INPUT FILE Baltimore City

REPORT FILE        :  C:\mobile62\Mobile6\Run\Balt\2013\rGcity13S.out      REPLACE
DATABASE OUTPUT    :
WITH FIELDNAMES    :
Spreadsheet        :  C:\mobile62\Mobile6\Run\Balt\2013\rGcit13s.tab    REPLACE
POLLUTANTS         :  HC CO NOX CO2
AGGREGATED OUTPUT  :
RUN DATA           :

FUEL RVP           : 6.8
EXPRESS HC AS VOC  :
EXPAND HDDV EFS    :
EXPAND HDGV EFS    :
EXPAND LDT EFS     :
NO REFUELING       :
ANTI-TAMP PROGRAM  :         89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : C:\mobile62\Mobile6\Run\Balt\2013\im2010.d
T2 EXH PHASE-IN    : C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11
T2 EVAP PHASE-IN   : C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11
T2 CERT            : C:\mobile62\Mobile6\Run\Balt\LevIIStd.d
94+ LDG IMP        : C:\mobile62\Mobile6\Run\Balt\LevII94.S11
REG DISTRIBUTION   : C:\mobile62\Mobile6\Run\Balt\regdat05.bal
REBUILD EFFECTS    : .90
DIESEL FRACTIONS   :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001
0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085
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0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
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0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
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0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
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SCENARIO RECORD    : Baltimore City speED=2.5

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
84.33   84.91   85.04   84.88   83.93   82.40   80.11   77.98   76.67   75.58   74.51   73.78
RELATIVE HUMIDITY  : 84.61   85.90   87.06   87.90   88.35   87.10   81.00   74.48   68.58   63.65   61.00
58.42
58.00   56.58   56.84   56.74   58.77   62.81   68.13   73.26   76.16   77.94   80.77   81.90
```

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BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 2.5 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2013\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2013\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2013\V001103S.def

SCENARIO RECORD    : Baltimore City speED=5.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
84.33   84.91   85.04   84.88   83.93   82.40   80.11   77.98   76.67   75.58   74.51   73.78
RELATIVE HUMIDITY  : 84.61   85.90   87.06   87.90   88.35   87.10   81.00   74.48   68.58   63.65   61.00
58.42
58.00   56.58   56.84   56.74   58.77   62.81   68.13   73.26   76.16   77.94   80.77   81.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 5.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2013\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2013\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2013\V001103S.def

SCENARIO RECORD    : Baltimore City speED=5.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
84.33   84.91   85.04   84.88   83.93   82.40   80.11   77.98   76.67   75.58   74.51   73.78
RELATIVE HUMIDITY  : 84.61   85.90   87.06   87.90   88.35   87.10   81.00   74.48   68.58   63.65   61.00
58.42
58.00   56.58   56.84   56.74   58.77   62.81   68.13   73.26   76.16   77.94   80.77   81.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 5.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
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*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2013\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2013\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2013\V001103S.def

SCENARIO RECORD    : Baltimore City speED=10.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
84.33   84.91   85.04   84.88   83.93   82.40   80.11   77.98   76.67   75.58   74.51   73.78
RELATIVE HUMIDITY  : 84.61   85.90   87.06   87.90   88.35   87.10   81.00   74.48   68.58   63.65   61.00
58.42
58.00   56.58   56.84   56.74   58.77   62.81   68.13   73.26   76.16   77.94   80.77   81.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 10.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2013\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2013\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2013\V001103S.def

SCENARIO RECORD    : Baltimore City speED=15.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
84.33   84.91   85.04   84.88   83.93   82.40   80.11   77.98   76.67   75.58   74.51   73.78
RELATIVE HUMIDITY  : 84.61   85.90   87.06   87.90   88.35   87.10   81.00   74.48   68.58   63.65   61.00
58.42
58.00   56.58   56.84   56.74   58.77   62.81   68.13   73.26   76.16   77.94   80.77   81.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 15.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2013\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2013\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2013\V001103S.def

SCENARIO RECORD    : Baltimore City speED=20.0

PARTICLE SIZE      : 10.
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PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
84.33   84.91   85.04   84.88   83.93   82.40   80.11   77.98   76.67   75.58   74.51   73.78
RELATIVE HUMIDITY  : 84.61   85.90   87.06   87.90   88.35   87.10   81.00   74.48   68.58   63.65   61.00
58.42
58.00   56.58   56.84   56.74   58.77   62.81   68.13   73.26   76.16   77.94   80.77   81.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 20.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2013\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2013\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2013\V001103S.def

SCENARIO RECORD    : Baltimore City speED=25.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
84.33   84.91   85.04   84.88   83.93   82.40   80.11   77.98   76.67   75.58   74.51   73.78
RELATIVE HUMIDITY  : 84.61   85.90   87.06   87.90   88.35   87.10   81.00   74.48   68.58   63.65   61.00
58.42
58.00   56.58   56.84   56.74   58.77   62.81   68.13   73.26   76.16   77.94   80.77   81.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 25.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2013\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2013\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2013\V001103S.def

SCENARIO RECORD    : Baltimore City speED=30

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
84.33   84.91   85.04   84.88   83.93   82.40   80.11   77.98   76.67   75.58   74.51   73.78
RELATIVE HUMIDITY  : 84.61   85.90   87.06   87.90   88.35   87.10   81.00   74.48   68.58   63.65   61.00
58.42
58.00   56.58   56.84   56.74   58.77   62.81   68.13   73.26   76.16   77.94   80.77   81.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 30. ARTERIAL
FUEL PROGRAM       : 4
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150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2013\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2013\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2013\V001103S.def

SCENARIO RECORD    : Baltimore City speED=35

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
84.33   84.91   85.04   84.88   83.93   82.40   80.11   77.98   76.67   75.58   74.51   73.78
RELATIVE HUMIDITY  : 84.61   85.90   87.06   87.90   88.35   87.10   81.00   74.48   68.58   63.65   61.00
58.42
58.00   56.58   56.84   56.74   58.77   62.81   68.13   73.26   76.16   77.94   80.77   81.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 35. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2013\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2013\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2013\V001103S.def

SCENARIO RECORD    : Baltimore City speED=40

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
84.33   84.91   85.04   84.88   83.93   82.40   80.11   77.98   76.67   75.58   74.51   73.78
RELATIVE HUMIDITY  : 84.61   85.90   87.06   87.90   88.35   87.10   81.00   74.48   68.58   63.65   61.00
58.42
58.00   56.58   56.84   56.74   58.77   62.81   68.13   73.26   76.16   77.94   80.77   81.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 40. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
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                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2013\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2013\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2013\V001103S.def

SCENARIO RECORD    : Baltimore City speED=45.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
84.33   84.91   85.04   84.88   83.93   82.40   80.11   77.98   76.67   75.58   74.51   73.78
RELATIVE HUMIDITY  : 84.61   85.90   87.06   87.90   88.35   87.10   81.00   74.48   68.58   63.65   61.00
58.42
58.00   56.58   56.84   56.74   58.77   62.81   68.13   73.26   76.16   77.94   80.77   81.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 45. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2013\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2013\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2013\V001103S.def

SCENARIO RECORD    : Baltimore City speED=50

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
84.33   84.91   85.04   84.88   83.93   82.40   80.11   77.98   76.67   75.58   74.51   73.78
RELATIVE HUMIDITY  : 84.61   85.90   87.06   87.90   88.35   87.10   81.00   74.48   68.58   63.65   61.00
58.42
58.00   56.58   56.84   56.74   58.77   62.81   68.13   73.26   76.16   77.94   80.77   81.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 50. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2013\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2013\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2013\V001103S.def

SCENARIO RECORD    : Baltimore City speED=55

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
84.33   84.91   85.04   84.88   83.93   82.40   80.11   77.98   76.67   75.58   74.51   73.78
```

```
RELATIVE HUMIDITY  : 84.61   85.90   87.06   87.90   88.35   87.10   81.00   74.48   68.58   63.65   61.00
58.42
58.00   56.58   56.84   56.74   58.77   62.81   68.13   73.26   76.16   77.94   80.77   81.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 55. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2013\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2013\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2013\V001103S.def

SCENARIO RECORD    : Baltimore City speED=60

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
84.33   84.91   85.04   84.88   83.93   82.40   80.11   77.98   76.67   75.58   74.51   73.78
RELATIVE HUMIDITY  : 84.61   85.90   87.06   87.90   88.35   87.10   81.00   74.48   68.58   63.65   61.00
58.42
58.00   56.58   56.84   56.74   58.77   62.81   68.13   73.26   76.16   77.94   80.77   81.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 60. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2013\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2013\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2013\V001103S.def

END OF RUN         :
```

```
MOBILE6 INPUT FILE Baltimore City

REPORT FILE        :  C:\mobile62\Mobile6\Run\Balt\2013\rGcit13w.out      REPLACE
DATABASE OUTPUT    :
WITH FIELDNAMES    :
Spreadsheet        :  C:\mobile62\Mobile6\Run\Balt\2013\rGcit13w.tab    REPLACE
POLLUTANTS         :  HC CO NOX CO2
AGGREGATED OUTPUT  :
RUN DATA           :

FUEL RVP           : 6.8
EXPRESS HC AS VOC  :
EXPAND HDDV EFS    :
EXPAND HDGV EFS    :
EXPAND LDT EFS     :
NO REFUELING       :
ANTI-TAMP PROGRAM  :         89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : C:\mobile62\Mobile6\Run\Balt\2013\im2010.d
T2 EXH PHASE-IN    : C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11
T2 EVAP PHASE-IN   : C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11
T2 CERT            : C:\mobile62\Mobile6\Run\Balt\LevIIStd.d
94+ LDG IMP        : C:\mobile62\Mobile6\Run\Balt\LevII94.S11
REG DISTRIBUTION   : C:\mobile62\Mobile6\Run\Balt\regdat05.bal
REBUILD EFFECTS    : .90
DIESEL FRACTIONS   :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001
0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085
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0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
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0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
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0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
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0.9992 0.9992 0.9992 0.9992 0.9992
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1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
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0.9585 0.9585 0.9585 0.9585 0.9585


SCENARIO RECORD    : Baltimore City speED=2.5

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
```

```
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 2.5 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=5.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 5.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=5.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 5.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
```

```
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=10.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 10.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=15.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 15.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=20.0

PARTICLE SIZE      : 10.
```

```
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 20.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=25.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 25.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=30

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 30. ARTERIAL
FUEL PROGRAM       : 4
```

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150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=35

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 35. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=40

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 40. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
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                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=45.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 45. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=50

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 50. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=55

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
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RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 55. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=60

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 60. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

END OF RUN         :
```

```
MOBILE6 INPUT FILE Baltimore City

REPORT FILE        :  C:\mobile62\Mobile6\Run\Balt\2013\rGcit13w.out      REPLACE
DATABASE OUTPUT    :
WITH FIELDNAMES    :
EMISSIONS TABLE    :  C:\mobile62\Mobile6\Run\Balt\2013\rGcit13w.tbl    REPLACE
POLLUTANTS         :  HC CO NOX CO2
AGGREGATED OUTPUT  :
RUN DATA           :

FUEL RVP           : 6.8
EXPRESS HC AS VOC  :
EXPAND HDDV EFS    :
EXPAND HDGV EFS    :
EXPAND LDT EFS     :
NO REFUELING       :
ANTI-TAMP PROGRAM  :         89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : C:\mobile62\Mobile6\Run\Balt\2013\im2010.d
T2 EXH PHASE-IN    : C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11
T2 EVAP PHASE-IN   : C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11
T2 CERT            : C:\mobile62\Mobile6\Run\Balt\LevIIStd.d
94+ LDG IMP        : C:\mobile62\Mobile6\Run\Balt\LevII94.S11
REG DISTRIBUTION   : C:\mobile62\Mobile6\Run\Balt\regdat05.bal
REBUILD EFFECTS    : .90
DIESEL FRACTIONS   :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001
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0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
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0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
0.6300 0.6300 0.6300 0.6300 0.6300
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8563
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9992
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.9585


SCENARIO RECORD    : Baltimore City speED=2.5

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
```

```
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 2.5 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=5.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 5.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=5.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 5.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
```

```
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=10.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 10.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=15.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 15.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=20.0

PARTICLE SIZE      : 10.
```

```
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 20.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=25.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 25.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=30

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 30. ARTERIAL
FUEL PROGRAM       : 4
```

```
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=35

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 35. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=40

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 40. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
```

```
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=45.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 45. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=50

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 50. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=55

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
```

```
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 55. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

SCENARIO RECORD    : Baltimore City speED=60

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2013
EVALUATION MONTH   : 1
AVERAGE SPEED      : 60. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2011\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2011\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2011\V001103S.def

END OF RUN         :
```

```
MOBILE6 INPUT FILE Baltimore City

REPORT FILE        :  C:\mobile62\Mobile6\Run\Balt\2021\rcity21w.out      REPLACE
DATABASE OUTPUT    :
WITH FIELDNAMES    :
EMISSIONS TABLE    :  C:\mobile62\Mobile6\Run\Balt\2021\rcity21w.tbl    REPLACE
POLLUTANTS         :  HC CO NOX CO2
AGGREGATED OUTPUT  :
RUN DATA           :

FUEL RVP           : 6.8
EXPRESS HC AS VOC  :
NO REFUELING       :
ANTI-TAMP PROGRAM  :         89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : C:\mobile62\Mobile6\Run\Balt\2021\im2010.d
T2 EXH PHASE-IN    : C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11
T2 EVAP PHASE-IN   : C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11
T2 CERT            : C:\mobile62\Mobile6\Run\Balt\LevIIStd.d
94+ LDG IMP        : C:\mobile62\Mobile6\Run\Balt\LevII94.S11
REG DISTRIBUTION   : C:\mobile62\Mobile6\Run\Balt\regdat05.bal
REBUILD EFFECTS    : .90
DIESEL FRACTIONS   :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001
0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085
0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085
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0.0085 0.0085 0.0085 0.0085 0.0085
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
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0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
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0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
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0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606
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0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
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0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
0.6300 0.6300 0.6300 0.6300 0.6300
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8563
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9992
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.9585


SCENARIO RECORD    : Baltimore City speED=2.5

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
```

```
AVERAGE SPEED      : 2.5 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=5.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 5.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=6.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 6.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
```

```
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=7.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 7.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=8.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 8.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=9.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
```

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HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 9.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=10.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 10.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=11

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 11. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
```

```
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=12

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 12. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=13

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 13. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
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VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=14.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 14. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=15

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 15. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=16

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
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66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 16. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=17

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 17. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=18

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 18. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
```

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CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=19

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 19. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=20

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 20. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=21.
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PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 21. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=22

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 22. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=23

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 23. ARTERIAL
```

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FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=24

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 24. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=25

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 25. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
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                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=26

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 26. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=27

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 27. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=28.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
```

```
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 28. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=29.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 29. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=30.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 30. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
```

```
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=31

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 31. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=32.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 32. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def
```

```
SCENARIO RECORD    : Baltimore City speED=33

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 33. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=34.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 34. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=35

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
```

```
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 35. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=36

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 36. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=37

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 37. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
```

```
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=38

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 38. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=39

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 39. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=40

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
```

```
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 40. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=41

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 41. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=42

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 42. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
```

```
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=43

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 43. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=44

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 44. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
```

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VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=45

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 45. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=46

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 46. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=47

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
```

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RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 47. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=48

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 48. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=49

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 49. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
```

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SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD     : Baltimore City speED=50

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2021
EVALUATION MONTH    : 1
AVERAGE SPEED       : 50. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD     : Baltimore City speED=51

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2021
EVALUATION MONTH    : 1
AVERAGE SPEED       : 51. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def
```

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SCENARIO RECORD    : Baltimore City speED=52

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 52. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=53

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 53. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=54

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
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EVALUATION MONTH   : 1
AVERAGE SPEED      : 54. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=55

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 55. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=56

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 56. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
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*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=57

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 57. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=58

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 58. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=59

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
```

```
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 59. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=60

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 60. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=61

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 61. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
```

```
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=62

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 62. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=63

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 63. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
```

```
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=64

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 64. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def

SCENARIO RECORD    : Baltimore City speED=65

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 65. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V001103S.def


END OF RUN         :
```

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: RCITY21W.INP (file 1, run 1).                             *
*************************************************************************
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


* Reading I/M program description records from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\IM2010.D
*IM Program.  Idle, IM240, and OBD.
*Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

* Reading non-default I/M CUTPOINTS from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\MOD75V2.C07
* CY 07
* CUTPOINTS 75% TO FINAL for 1994 and 1995. IMPLEMENTED May 2005.

  Reading User Supplied Tier2 Exhaust bin phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11


  Reading User Supplied Tier2 EVAP phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11


  Reading User Supplied Tier2 50K certification standards

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIStd.d


* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11

* Reading Registration Distributions from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\REGDAT05.BAL
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M614 Comment:
               User supplied diesel sale fractions.

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=2.5
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  2.5
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
```

```
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
 HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      1.627     1.098     1.934     1.312     2.106    0.109     0.184     0.791
9.39     1.393
     Composite CO  :     19.32     16.45     22.10     17.90     33.71     1.899     0.982     1.662
86.37    17.457
     Composite NOX :      0.317     0.319     0.739     0.427     0.346    0.095     0.108     1.921
1.79     0.524
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV
```

```
* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  5.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
             Maximum Temperature:  38.4 (F)
               Minimum Rel. Hum.:  58.2 (%)
               Maximum Rel. Hum.:  74.9 (%)
             Barometric Pressure: 29.80 (inches Hg)
                Nominal Fuel RVP:   6.8 psi
                   Weathered RVP:   6.8 psi
             Fuel Sulfur Content:   30. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  No

             User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.561     0.426     0.803     0.523     0.966    0.097     0.164     0.695
6.15     0.574
     Composite CO  :     13.79     11.65     15.24     12.57     26.93     1.592     0.819     1.357
51.57    12.421
     Composite NOX :      0.281     0.282     0.649     0.376     0.355    0.086     0.097     1.726
1.68     0.467
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
```

```
* Baltimore City speED=6.0
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  6.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
```

```
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.472     0.364     0.692     0.448     0.825    0.092     0.154     0.645
5.33     0.494
     Composite CO  :     12.94     10.88     14.15     11.72     23.93     1.451     0.744     1.216
43.38    11.552
     Composite NOX :      0.264     0.265     0.613     0.354     0.361    0.081     0.092     1.628
1.64     0.441
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=7.0
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  7.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No
```

```
              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.409     0.320     0.613     0.395     0.724    0.088     0.146     0.610
4.74     0.437
     Composite CO  :     12.33     10.34     13.37     11.12     21.78     1.350     0.690     1.116
37.53    10.930
     Composite NOX :      0.252     0.253     0.586     0.338     0.365    0.078     0.088     1.557
1.62     0.422
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=8.0
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  8.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
```

```
                    Altitude:  Low
          Minimum Temperature:  29.8 (F)
          Maximum Temperature:  38.4 (F)
            Minimum Rel. Hum.:  58.2 (%)
            Maximum Rel. Hum.:  74.9 (%)
          Barometric Pressure: 29.80 (inches Hg)
             Nominal Fuel RVP:   6.8 psi
                Weathered RVP:   6.8 psi
          Fuel Sulfur Content:   30. ppm

          Exhaust I/M Program:  Yes
             Evap I/M Program:  Yes
                  ATP Program:  Yes
             Reformulated Gas:  No

          User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.361     0.287     0.554     0.355     0.648    0.084     0.141     0.583
4.30     0.394
     Composite CO  :     11.87      9.93     12.79     10.66     20.17     1.275     0.649     1.041
33.14    10.464
     Composite NOX :      0.243     0.243     0.567     0.326     0.368    0.075     0.085     1.504
1.61     0.408
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=9.0
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  9.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
```

```
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.324     0.261     0.507     0.324     0.590    0.082     0.137     0.562
3.96     0.361
     Composite CO  :     11.51      9.61     12.34     10.31     18.92     1.216     0.618     0.982
29.73    10.102
     Composite NOX :      0.236     0.236     0.551     0.317     0.371    0.074     0.083     1.463
1.59     0.397
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=10.0
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
```

```
  M583 Warning:
            The user supplied arterial average speed of 10.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.294     0.240     0.470     0.299     0.543    0.080     0.133     0.546
3.69     0.334
     Composite CO  :     11.23      9.36     11.98     10.03     17.92     1.169     0.593     0.936
27.00     9.812
     Composite NOX :      0.230     0.231     0.539     0.310     0.373    0.072     0.081     1.430
1.58     0.388
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=11
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV
```

```
* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 11.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.277     0.227     0.445     0.283     0.497    0.077     0.127     0.516
3.46     0.315
```

```
     Composite CO  :     11.02      9.16     11.71      9.82     16.47     1.098     0.555     0.865
24.83     9.569
     Composite NOX :      0.222     0.222     0.521     0.298     0.378    0.069     0.078     1.375
1.59     0.374
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=12
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 12.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.263     0.216     0.424     0.269     0.460    0.074     0.122     0.492
3.27     0.299
     Composite CO  :     10.85      9.00     11.48      9.64     15.26     1.038     0.523     0.805
23.02     9.366
     Composite NOX :      0.214     0.214     0.505     0.289     0.382    0.067     0.076     1.329
1.59     0.363
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=13
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 13.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
```

```
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.251     0.206     0.406     0.258     0.428    0.071     0.118     0.471
3.11     0.286
     Composite CO  :     10.71      8.87     11.29      9.49     14.23     0.988     0.496     0.755
21.49     9.195
     Composite NOX :      0.208     0.208     0.492     0.281     0.385    0.065     0.074     1.291
1.60     0.353
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=14.
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 14.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
```

```
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.241     0.198     0.390     0.248     0.401    0.069     0.114     0.453
2.97     0.274
     Composite CO  :     10.58      8.75     11.12      9.36     13.36     0.945     0.473     0.712
20.17     9.048
     Composite NOX :      0.203     0.202     0.481     0.274     0.388    0.064     0.072     1.257
1.60     0.345
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=15
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 15.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
```

```
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.232     0.191     0.377     0.239     0.377    0.068     0.111     0.438
2.85     0.264
     Composite CO  :     10.47      8.65     10.98      9.25     12.59     0.907     0.453     0.675
19.04     8.921
     Composite NOX :      0.198     0.198     0.471     0.268     0.391    0.062     0.070     1.228
1.60     0.337
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=16
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
```

```
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 16.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
             Minimum Temperature:  29.8 (F)
             Maximum Temperature:  38.4 (F)
               Minimum Rel. Hum.:  58.2 (%)
               Maximum Rel. Hum.:  74.9 (%)
             Barometric Pressure: 29.80 (inches Hg)
                Nominal Fuel RVP:   6.8 psi
                   Weathered RVP:   6.8 psi
             Fuel Sulfur Content:   30. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  No

             User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.224     0.185     0.365     0.231     0.353    0.065     0.107     0.418
2.75     0.255
     Composite CO  :     10.38      8.56     10.85      9.15     11.78     0.866     0.431     0.634
18.12     8.804
     Composite NOX :      0.194     0.194     0.463     0.262     0.395    0.061     0.068     1.195
1.62     0.330
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
```

```
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=17
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 17.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.217     0.180     0.355     0.225     0.331    0.063     0.104     0.401
2.67     0.246
     Composite CO  :     10.30      8.48     10.74      9.06     11.07     0.829     0.412     0.597
17.31     8.701
     Composite NOX :      0.190     0.190     0.455     0.258     0.399    0.059     0.067     1.165
1.64     0.324
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=18
* File 1, Run 1, Scenario 15.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 18.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.211     0.175     0.346     0.219     0.312    0.061     0.101     0.385
2.59     0.239
     Composite CO  :     10.22      8.41     10.64      8.99     10.43     0.797     0.394     0.565
16.59     8.609
     Composite NOX :      0.187     0.187     0.448     0.254     0.403    0.058     0.065     1.138
1.66     0.319
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=19
* File 1, Run 1, Scenario 16.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 19.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
                GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.205     0.171     0.338     0.214     0.295    0.060     0.098     0.372
2.53     0.232
     Composite CO  :     10.16      8.35     10.56      8.92      9.87     0.767     0.379     0.536
15.95     8.528
     Composite NOX :      0.184     0.184     0.442     0.250     0.406    0.057     0.064     1.114
1.67     0.314
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=20
* File 1, Run 1, Scenario 17.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 20.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.200     0.167     0.330     0.209     0.279    0.058     0.095     0.359
2.46     0.226
     Composite CO  :     10.10      8.30     10.48      8.86      9.35     0.741     0.365     0.510
15.37     8.454
     Composite NOX :      0.182     0.181     0.437     0.247     0.409    0.056     0.063     1.093
1.69     0.310
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=21.
* File 1, Run 1, Scenario 18.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 21.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.196     0.163     0.324     0.204     0.264    0.057     0.092     0.345
2.41     0.221
     Composite CO  :     10.05      8.25     10.41      8.80      8.87     0.716     0.351     0.484
14.84     8.389
     Composite NOX :      0.180     0.179     0.432     0.244     0.413    0.055     0.062     1.073
1.71     0.306
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=22
* File 1, Run 1, Scenario 19.
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 22.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.192     0.160     0.318     0.201     0.251    0.055     0.090     0.333
2.36     0.216
     Composite CO  :     10.00      8.21     10.35      8.76      8.44     0.692     0.339     0.461
14.35     8.331
     Composite NOX :      0.177     0.177     0.428     0.241     0.417    0.054     0.061     1.054
1.73     0.302
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=23
* File 1, Run 1, Scenario 20.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 23.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.188     0.157     0.312     0.197     0.239    0.054     0.087     0.321
2.31     0.211
     Composite CO  :      9.96      8.17     10.30      8.71      8.04     0.671     0.327     0.440
13.91     8.277
     Composite NOX :      0.176     0.175     0.424     0.239     0.420    0.053     0.060     1.038
1.75     0.299
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=24
* File 1, Run 1, Scenario 21.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 24.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.185     0.155     0.307     0.194     0.228    0.053     0.085     0.311
2.27     0.207
     Composite CO  :      9.92      8.13     10.25      8.67      7.68     0.652     0.317     0.421
13.50     8.228
     Composite NOX :      0.174     0.173     0.420     0.236     0.424    0.052     0.059     1.022
1.77     0.296
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=25
* File 1, Run 1, Scenario 22.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 25.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.182     0.152     0.302     0.191     0.217    0.052     0.083     0.301
2.23     0.203
     Composite CO  :      9.88      8.10     10.20      8.64      7.34     0.634     0.308     0.403
13.12     8.183
     Composite NOX :      0.172     0.171     0.417     0.234     0.427    0.052     0.058     1.008
1.79     0.293
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=26
* File 1, Run 1, Scenario 23.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 26.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.179     0.150     0.299     0.188     0.208    0.051     0.081     0.291
2.18     0.199
     Composite CO  :      9.87      8.08     10.18      8.62      7.05     0.618     0.299     0.387
12.75     8.159
     Composite NOX :      0.171     0.170     0.413     0.232     0.431    0.051     0.058     0.998
1.81     0.291
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=27
* File 1, Run 1, Scenario 24.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
```

```
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 27.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.177     0.148     0.295     0.186     0.199    0.049     0.079     0.282
2.15     0.196
     Composite CO  :      9.86      8.07     10.16      8.61      6.78     0.603     0.291     0.372
12.40     8.137
```

```
     Composite NOX :      0.169     0.168     0.410     0.230     0.435    0.051     0.057     0.988
1.83     0.288
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=28.
* File 1, Run 1, Scenario 25.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 28.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.174     0.147     0.292     0.184     0.191    0.048     0.078     0.274
2.11     0.193
     Composite CO  :      9.84      8.06     10.15      8.60      6.53     0.589     0.284     0.358
12.08     8.116
     Composite NOX :      0.168     0.167     0.408     0.229     0.438    0.050     0.057     0.979
1.85     0.286
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=29.
* File 1, Run 1, Scenario 26.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 29.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.172     0.145     0.289     0.182     0.184    0.048     0.076     0.266
2.08     0.190
     Composite CO  :      9.83      8.05     10.13      8.59      6.30     0.576     0.277     0.345
11.78     8.097
     Composite NOX :      0.167     0.166     0.405     0.227     0.442    0.050     0.056     0.971
1.87     0.285
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=30.
* File 1, Run 1, Scenario 27.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 30.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.170     0.143     0.287     0.180     0.177    0.047     0.074     0.258
2.05     0.188
     Composite CO  :      9.82      8.04     10.12      8.58      6.08     0.564     0.270     0.333
11.50     8.079
     Composite NOX :      0.166     0.165     0.403     0.226     0.445    0.050     0.056     0.964
1.88     0.283
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=31
* File 1, Run 1, Scenario 28.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 31.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.169     0.142     0.284     0.179     0.171    0.046     0.073     0.251
2.02     0.185
     Composite CO  :      9.83      8.05     10.13      8.59      5.91     0.554     0.265     0.323
11.23     8.081
     Composite NOX :      0.165     0.164     0.402     0.225     0.449    0.049     0.056     0.962
1.90     0.282
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=32.
* File 1, Run 1, Scenario 29.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 32.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.167     0.141     0.282     0.177     0.165    0.045     0.072     0.244
1.99     0.183
     Composite CO  :      9.84      8.06     10.15      8.60      5.75     0.544     0.260     0.314
10.97     8.083
     Composite NOX :      0.164     0.164     0.401     0.224     0.453    0.049     0.055     0.960
1.91     0.282
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
```

```
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=33
* File 1, Run 1, Scenario 30.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 33.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.165     0.140     0.280     0.176     0.160    0.044     0.070     0.238
1.96     0.181
     Composite CO  :      9.85      8.07     10.16      8.61      5.60     0.535     0.255     0.305
10.73     8.085
     Composite NOX :      0.164     0.163     0.400     0.224     0.456    0.049     0.055     0.958
1.93     0.281
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=34.
* File 1, Run 1, Scenario 31.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 34.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.164     0.139     0.278     0.175     0.154    0.044     0.069     0.232
1.93     0.179
     Composite CO  :      9.86      8.08     10.17      8.62      5.46     0.527     0.250     0.296
10.51     8.087
     Composite NOX :      0.163     0.162     0.399     0.223     0.460    0.049     0.055     0.956
1.94     0.281
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=35
* File 1, Run 1, Scenario 32.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 35.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
                GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.163     0.138     0.276     0.174     0.150    0.043     0.068     0.226
1.91     0.178
     Composite CO  :      9.86      8.09     10.18      8.63      5.33     0.519     0.246     0.289
10.29     8.088
     Composite NOX :      0.163     0.162     0.398     0.222     0.463    0.049     0.055     0.955
1.95     0.280
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=36
* File 1, Run 1, Scenario 33.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 36.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.162     0.138     0.275     0.173     0.146    0.042     0.067     0.221
1.89     0.177
     Composite CO  :      9.92      8.15     10.26      8.69      5.24     0.513     0.243     0.283
10.11     8.138
     Composite NOX :      0.163     0.163     0.399     0.223     0.467    0.049     0.056     0.960
1.97     0.281
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=37
* File 1, Run 1, Scenario 34.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 37.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.161     0.138     0.274     0.173     0.142    0.042     0.066     0.216
1.87     0.176
     Composite CO  :      9.98      8.20     10.33      8.75      5.16     0.507     0.240     0.277
9.93     8.184
     Composite NOX :      0.164     0.163     0.400     0.224     0.470    0.050     0.056     0.966
1.98     0.283
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=38
* File 1, Run 1, Scenario 35.
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 38.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.160     0.138     0.274     0.172     0.138    0.041     0.065     0.211
1.85     0.175
     Composite CO  :     10.03      8.25     10.40      8.80      5.08     0.502     0.237     0.271
9.77     8.229
     Composite NOX :      0.165     0.164     0.401     0.225     0.474    0.050     0.056     0.971
1.99     0.284
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=39
* File 1, Run 1, Scenario 36.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 39.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.160     0.137     0.273     0.172     0.135    0.041     0.064     0.207
1.83     0.174
     Composite CO  :     10.08      8.30     10.47      8.86      5.00     0.497     0.234     0.266
9.61     8.271
     Composite NOX :      0.166     0.165     0.402     0.225     0.477    0.050     0.056     0.976
1.99     0.285
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=40
* File 1, Run 1, Scenario 37.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 40.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.159     0.137     0.272     0.172     0.131    0.040     0.063     0.203
1.81     0.173
     Composite CO  :     10.12      8.35     10.53      8.91      4.93     0.492     0.232     0.261
9.46     8.310
     Composite NOX :      0.166     0.165     0.403     0.226     0.481    0.050     0.057     0.980
2.00     0.286
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=41
* File 1, Run 1, Scenario 38.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 41.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.158     0.137     0.272     0.172     0.128    0.040     0.062     0.199
1.80     0.172
     Composite CO  :     10.18      8.41     10.61      8.97      4.91     0.489     0.230     0.258
9.34     8.362
     Composite NOX :      0.167     0.166     0.404     0.227     0.485    0.051     0.057     0.994
2.01     0.289
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=42
* File 1, Run 1, Scenario 39.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 42.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.158     0.137     0.271     0.171     0.126    0.039     0.062     0.195
1.79     0.171
     Composite CO  :     10.24      8.46     10.68      9.03      4.89     0.486     0.229     0.256
9.23     8.411
     Composite NOX :      0.168     0.167     0.405     0.228     0.488    0.052     0.058     1.007
2.02     0.291
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=43
* File 1, Run 1, Scenario 40.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
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```
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 43.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.157     0.137     0.271     0.171     0.123    0.039     0.061     0.192
1.78     0.171
     Composite CO  :     10.29      8.51     10.75      9.08      4.86     0.483     0.227     0.253
9.13     8.457
```

```
     Composite NOX :      0.169     0.168     0.407     0.229     0.492    0.052     0.059     1.020
2.03     0.293
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=44
* File 1, Run 1, Scenario 41.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 44.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.157     0.137     0.270     0.171     0.121    0.039     0.060     0.189
1.76     0.170
     Composite CO  :     10.34      8.56     10.81      9.14      4.84     0.480     0.226     0.250
9.02     8.501
     Composite NOX :      0.170     0.169     0.408     0.230     0.495    0.053     0.059     1.032
2.03     0.295
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=45
* File 1, Run 1, Scenario 42.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 45.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.156     0.137     0.269     0.171     0.119    0.038     0.060     0.186
1.75     0.169
     Composite CO  :     10.38      8.61     10.88      9.19      4.82     0.478     0.224     0.248
8.93     8.544
     Composite NOX :      0.171     0.170     0.409     0.231     0.499    0.053     0.060     1.043
2.04     0.297
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=46
* File 1, Run 1, Scenario 43.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 46.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.155     0.137     0.269     0.171     0.117    0.038     0.059     0.183
1.75     0.169
     Composite CO  :     10.44      8.67     10.95      9.25      4.86     0.478     0.224     0.247
8.88     8.597
     Composite NOX :      0.172     0.171     0.411     0.232     0.503    0.055     0.061     1.067
2.07     0.300
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=47
* File 1, Run 1, Scenario 44.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 47.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.155     0.136     0.268     0.170     0.115    0.038     0.059     0.181
1.75     0.168
     Composite CO  :     10.50      8.72     11.02      9.31      4.89     0.477     0.224     0.247
8.84     8.648
     Composite NOX :      0.173     0.172     0.412     0.233     0.506    0.056     0.063     1.089
2.09     0.303
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=48
* File 1, Run 1, Scenario 45.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 48.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.154     0.136     0.268     0.170     0.113    0.037     0.058     0.178
1.74     0.167
     Composite CO  :     10.55      8.77     11.09      9.37      4.92     0.477     0.224     0.247
8.79     8.697
     Composite NOX :      0.174     0.172     0.414     0.234     0.510    0.057     0.064     1.110
2.11     0.306
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
```

```
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=49
* File 1, Run 1, Scenario 46.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 49.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.154     0.136     0.267     0.170     0.111    0.037     0.058     0.176
1.74     0.167
     Composite CO  :     10.60      8.82     11.16      9.42      4.95     0.476     0.224     0.246
8.75     8.743
     Composite NOX :      0.174     0.173     0.415     0.235     0.513    0.058     0.065     1.131
2.13     0.308
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=50
* File 1, Run 1, Scenario 47.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 50.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.153     0.136     0.266     0.169     0.109    0.037     0.057     0.174
1.74     0.166
     Composite CO  :     10.65      8.87     11.22      9.47      4.98     0.476     0.223     0.246
8.71     8.788
     Composite NOX :      0.175     0.174     0.416     0.236     0.517    0.059     0.066     1.151
2.16     0.311
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=51
* File 1, Run 1, Scenario 48.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 51.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
                GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.152     0.136     0.266     0.169     0.108    0.037     0.057     0.172
1.74     0.166
     Composite CO  :     10.70      8.92     11.30      9.53      5.08     0.478     0.224     0.248
8.71     8.843
     Composite NOX :      0.176     0.175     0.418     0.237     0.521    0.060     0.068     1.186
2.20     0.315
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=52
* File 1, Run 1, Scenario 49.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 52.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.152     0.136     0.265     0.169     0.106    0.037     0.057     0.171
1.74     0.165
     Composite CO  :     10.76      8.98     11.37      9.59      5.17     0.480     0.226     0.250
8.71     8.896
     Composite NOX :      0.177     0.176     0.419     0.238     0.524    0.062     0.070     1.220
2.25     0.319
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=53
* File 1, Run 1, Scenario 50.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 53.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.151     0.136     0.264     0.169     0.105    0.036     0.056     0.169
1.74     0.165
     Composite CO  :     10.81      9.03     11.44      9.65      5.27     0.482     0.227     0.252
8.71     8.947
     Composite NOX :      0.178     0.177     0.421     0.239     0.528    0.063     0.072     1.253
2.30     0.323
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=54
* File 1, Run 1, Scenario 51.
```

```
* # # #
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.150     0.135     0.264     0.168     0.104    0.036     0.056     0.168
1.74     0.164
     Composite CO  :     10.86      9.08     11.51      9.70      5.35     0.484     0.227     0.254
8.71     8.996
     Composite NOX :      0.179     0.178     0.422     0.240     0.531    0.065     0.073     1.285
2.34     0.327
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=55
* File 1, Run 1, Scenario 52.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 55.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.150     0.135     0.263     0.168     0.103    0.036     0.056     0.166
1.74     0.163
     Composite CO  :     10.91      9.13     11.57      9.75      5.44     0.486     0.228     0.255
8.71     9.044
     Composite NOX :      0.180     0.178     0.423     0.241     0.535    0.066     0.075     1.315
2.38     0.331
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=56
* File 1, Run 1, Scenario 53.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 56.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.149     0.135     0.263     0.168     0.102    0.036     0.055     0.166
1.81     0.163
     Composite CO  :     10.96      9.18     11.65      9.81      5.62     0.490     0.231     0.260
9.86     9.104
     Composite NOX :      0.181     0.179     0.425     0.242     0.538    0.069     0.078     1.367
2.43     0.337
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=57
* File 1, Run 1, Scenario 54.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 57.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.148     0.135     0.262     0.168     0.101    0.036     0.055     0.165
1.88     0.163
     Composite CO  :     11.02      9.24     11.72      9.87      5.79     0.495     0.233     0.265
10.96     9.162
     Composite NOX :      0.182     0.180     0.426     0.243     0.542    0.071     0.081     1.418
2.47     0.342
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=58
* File 1, Run 1, Scenario 55.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 58.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.148     0.135     0.262     0.167     0.100    0.036     0.055     0.164
1.94     0.163
     Composite CO  :     11.07      9.29     11.79      9.93      5.95     0.499     0.236     0.269
12.02     9.218
     Composite NOX :      0.183     0.181     0.428     0.244     0.546    0.074     0.083     1.466
2.52     0.347
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=59
* File 1, Run 1, Scenario 56.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
```

```
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 59.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.147     0.135     0.261     0.167     0.100    0.036     0.055     0.163
2.01     0.163
     Composite CO  :     11.12      9.34     11.85      9.98      6.11     0.504     0.238     0.273
13.05     9.273
```

```
     Composite NOX :      0.183     0.182     0.429     0.245     0.549    0.076     0.086     1.513
2.56     0.353
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=60
* File 1, Run 1, Scenario 57.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 60.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.147     0.135     0.261     0.167     0.099    0.036     0.055     0.163
2.07     0.163
     Composite CO  :     11.17      9.39     11.92     10.04      6.27     0.508     0.240     0.278
14.05     9.325
     Composite NOX :      0.184     0.183     0.431     0.246     0.553    0.078     0.088     1.558
2.60     0.358
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=61
* File 1, Run 1, Scenario 58.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 61.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.147     0.135     0.260     0.167     0.099    0.036     0.055     0.163
2.14     0.163
     Composite CO  :     11.22      9.44     11.99     10.10      6.56     0.516     0.245     0.286
15.19     9.389
     Composite NOX :      0.185     0.184     0.432     0.248     0.556    0.082     0.092     1.634
2.65     0.365
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=62
* File 1, Run 1, Scenario 59.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 62.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.146     0.135     0.260     0.167     0.099    0.036     0.055     0.163
2.21     0.163
     Composite CO  :     11.28      9.50     12.06     10.15      6.84     0.524     0.249     0.294
16.29     9.451
     Composite NOX :      0.186     0.185     0.434     0.249     0.560    0.085     0.096     1.707
2.70     0.373
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=63
* File 1, Run 1, Scenario 60.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 63.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.146     0.135     0.259     0.167     0.099    0.036     0.055     0.163
2.28     0.163
     Composite CO  :     11.33      9.55     12.13     10.21      7.12     0.532     0.253     0.301
17.35     9.511
     Composite NOX :      0.187     0.186     0.435     0.250     0.564    0.089     0.100     1.778
2.74     0.380
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=64
* File 1, Run 1, Scenario 61.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 64.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.145     0.135     0.259     0.167     0.099    0.036     0.055     0.163
2.35     0.163
     Composite CO  :     11.38      9.60     12.20     10.26      7.38     0.539     0.257     0.309
18.38     9.570
     Composite NOX :      0.188     0.187     0.437     0.251     0.567    0.092     0.104     1.846
2.78     0.387
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
```

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  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=65
* File 1, Run 1, Scenario 62.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 65.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.145     0.135     0.259     0.167     0.099    0.036     0.055     0.163
2.41     0.163
     Composite CO  :     11.43      9.65     12.27     10.32      7.64     0.546     0.261     0.316
19.38     9.626
     Composite NOX :      0.189     0.187     0.438     0.252     0.571    0.095     0.108     1.912
2.83     0.394
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------
```

FILE	RUN	SCEN	CAL_YEAR	POL	VTYPE	GM_MILE	GM_DAY	STARTS	ENDS	MILES	MPG	VMT
1	1	1	2021	4	1	367.9	11042.8		7.2800	5.3799	30.0117	24.10
	0.281246											
1	1	1	2021	4	2	479.3	19267.7		8.0600	5.7548	40.1957	18.50
	0.101405											
1	1	1	2021	4	3	479.3	19267.7		8.0600	5.7548	40.1957	18.50
	0.337320											
1	1	1	2021	4	4	624.4	23612.5		8.0600	5.7548	37.8166	14.20
	0.103547											
1	1	1	2021	4	5	624.4	23612.5		8.0600	5.7548	37.8166	14.20
	0.047578											
1	1	1	2021	4	6	875.4	33065.7		6.8800	4.9123	37.7707	10.13
	0.027524											
1	1	1	2021	4	7	944.4	35671.5		6.8800	4.9123	37.7707	9.39
	0.000969											
1	1	1	2021	4	8	948.5	34612.4		6.8800	4.9123	36.4932	9.35
	0.000281											
1	1	1	2021	4	9	1107.1	40402.8		6.8800	4.9123	36.4931	8.01
	0.000959											
1	1	1	2021	4	10	1089.5	39757.5		6.8800	4.9123	36.4932	8.14
	0.001996											
1	1	1	2021	4	11	1190.4	43439.7		6.8800	4.9123	36.4932	7.45
	0.000819											
1	1	1	2021	4	12	1254.3	45774.5		6.8800	4.9123	36.4932	7.07
	0.000002											
1	1	1	2021	4	13	0.0	0.0		0.0000	0.0000	0.0000	0.00
	0.000000											
1	1	1	2021	4	14	314.1	9425.7		7.2800	5.1979	30.0117	32.40
	0.000028											
1	1	1	2021	4	15	460.4	22232.5		8.0600	5.7548	48.2848	22.10
	0.004518											
1	1	1	2021	4	16	785.2	35375.8		6.6500	4.7481	45.0549	12.96
	0.008198											
1	1	1	2021	4	17	872.7	41237.6		6.6500	4.7481	47.2522	11.66
	0.002544											
1	1	1	2021	4	18	997.6	56547.8		6.6500	4.7481	56.6821	10.20
	0.002699											
1	1	1	2021	4	19	1029.9	58379.3		6.6500	4.7481	56.6821	9.88
	0.001293											
1	1	1	2021	4	20	1168.3	75659.1		6.6500	4.7481	64.7605	8.71
	0.006032											
1	1	1	2021	4	21	1351.4	87515.4		6.6500	4.7481	64.7605	7.53
	0.008655											
1	1	1	2021	4	22	1544.1	201080.0		6.6500	4.7481	130.2221	6.59
	0.010278											
1	1	1	2021	4	23	1615.2	319512.5		6.6500	4.7481	197.8148	6.30
	0.036527											
1	1	1	2021	4	24	177.4	1522.2		1.3500	0.9639	8.5822	50.00
	0.002374											
1	1	1	2021	4	25	1374.9	37438.8		6.8800	4.9123	27.2301	6.45
	0.000303											
1	1	1	2021	4	26	2333.9	228113.5		6.6500	4.7481	97.7390	4.36
	0.003655											
1	1	1	2021	4	27	1646.6	44836.4		6.6500	4.7481	27.2301	6.18
	0.007008											
1	1	1	2021	4	28	598.6	26322.0		8.0600	5.7548	43.9743	17.00
	0.002242											
1	1	1	2021	1	1	1.6272	48.837		7.2800	5.3799	30.0117	24.10
	0.281246											
1	1	1	2021	1	2	1.0006	40.218		8.0600	5.7548	40.1957	18.50
	0.101405											
1	1	1	2021	1	3	1.1269	45.296		8.0600	5.7548	40.1957	18.50
	0.337320											
1	1	1	2021	1	4	1.9150	72.418		8.0600	5.7548	37.8166	14.20
	0.103547											
1	1	1	2021	1	5	1.9753	74.698		8.0600	5.7548	37.8166	14.20
	0.047578											
1	1	1	2021	1	6	2.1182	80.007		6.8800	4.9123	37.7707	10.13
	0.027524											
1	1	1	2021	1	7	2.0634	77.938		6.8800	4.9123	37.7707	9.39
	0.000969											
1	1	1	2021	1	8	1.7946	65.490		6.8800	4.9123	36.4932	9.35
	0.000281											
1	1	1	2021	1	9	1.9120	69.776		6.8800	4.9123	36.4931	8.01
	0.000959											
1	1	1	2021	1	10	1.9066	69.577		6.8800	4.9123	36.4932	8.14
	0.001996											
1	1	1	2021	1	11	1.9966	72.863		6.8800	4.9123	36.4932	7.45
	0.000819											
1	1	1	2021	1	12	2.0760	75.761		6.8800	4.9123	36.4932	7.07
	0.000002											
1	1	1	2021	1	13	0.0000	0.000		0.0000	0.0000	0.0000	0.00
	0.000000											
1	1	1	2021	1	14	0.1086	3.260		7.2800	5.1979	30.0117	32.40
	0.000028											
1	1	1	2021	1	15	0.1282	6.189		8.0600	5.7548	48.2848	22.10
	0.004518											
1	1	1	2021	1	16	0.3361	15.144		6.6500	4.7481	45.0549	12.96
	0.008198											
1	1	1	2021	1	17	0.3772	17.823		6.6500	4.7481	47.2522	11.66
	0.002544											
1	1	1	2021	1	18	0.4555	25.819		6.6500	4.7481	56.6821	10.20
	0.002699											
1	1	1	2021	1	19	0.4973	28.189		6.6500	4.7481	56.6821	9.88
	0.001293											

1	1	1	2021	1	20	0.6025	39.016	6.6500	4.7481	64.7605	8.71	0.006032
1	1	1	2021	1	21	0.7446	48.219	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2021	1	22	0.8417	109.607	6.6500	4.7481	130.2221	6.59	0.010278
1	1	1	2021	1	23	0.9450	186.937	6.6500	4.7481	197.8148	6.30	0.036527
1	1	1	2021	1	24	9.3873	80.564	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2021	1	25	3.6045	98.152	6.8800	4.9123	27.2301	6.45	0.000303
1	1	1	2021	1	26	0.7301	71.358	6.6500	4.7481	97.7390	4.36	0.003655
1	1	1	2021	1	27	1.0298	28.043	6.6500	4.7481	27.2301	6.18	0.007008
1	1	1	2021	1	28	0.2952	12.983	8.0600	5.7548	43.9743	17.00	0.002242
1	1	1	2021	2	1	19.3249	579.974	7.2800	5.3799	30.0117	24.10	0.281246
1	1	1	2021	2	2	15.8039	635.250	8.0600	5.7548	40.1957	18.50	0.101405
1	1	1	2021	2	3	16.6469	669.135	8.0600	5.7548	40.1957	18.50	0.337320
1	1	1	2021	2	4	21.9691	830.797	8.0600	5.7548	37.8166	14.20	0.103547
1	1	1	2021	2	5	22.3942	846.872	8.0600	5.7548	37.8166	14.20	0.047578
1	1	1	2021	2	6	31.4110	1186.414	6.8800	4.9123	37.7707	10.13	0.027524
1	1	1	2021	2	7	39.4271	1489.190	6.8800	4.9123	37.7707	9.39	0.000969
1	1	1	2021	2	8	38.3732	1400.359	6.8800	4.9123	36.4932	9.35	0.000281
1	1	1	2021	2	9	44.8199	1635.620	6.8800	4.9123	36.4931	8.01	0.000959
1	1	1	2021	2	10	44.3608	1618.865	6.8800	4.9123	36.4932	8.14	0.001996
1	1	1	2021	2	11	52.7174	1923.824	6.8800	4.9123	36.4932	7.45	0.000819
1	1	1	2021	2	12	56.1431	2048.839	6.8800	4.9123	36.4932	7.07	0.000002
1	1	1	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	1	2021	2	14	1.8987	56.984	7.2800	5.1979	30.0117	32.40	0.000028
1	1	1	2021	2	15	0.8766	42.327	8.0600	5.7548	48.2848	22.10	0.004518
1	1	1	2021	2	16	0.6757	30.443	6.6500	4.7481	45.0549	12.96	0.008198
1	1	1	2021	2	17	0.6775	32.013	6.6500	4.7481	47.2522	11.66	0.002544
1	1	1	2021	2	18	1.0216	57.908	6.6500	4.7481	56.6821	10.20	0.002699
1	1	1	2021	2	19	1.1088	62.851	6.6500	4.7481	56.6821	9.88	0.001293
1	1	1	2021	2	20	1.0047	65.064	6.6500	4.7481	64.7605	8.71	0.006032
1	1	1	2021	2	21	1.2453	80.646	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2021	2	22	1.5673	204.100	6.6500	4.7481	130.2221	6.59	0.010278
1	1	1	2021	2	23	1.9300	381.783	6.6500	4.7481	197.8148	6.30	0.036527
1	1	1	2021	2	24	86.3688	741.237	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2021	2	25	62.5157	1702.310	6.8800	4.9123	27.2301	6.45	0.000303
1	1	1	2021	2	26	3.2297	315.667	6.6500	4.7481	97.7390	4.36	0.003655
1	1	1	2021	2	27	2.5285	68.852	6.6500	4.7481	27.2301	6.18	0.007008
1	1	1	2021	2	28	1.1958	52.583	8.0600	5.7548	43.9743	17.00	0.002242
1	1	1	2021	3	1	0.3166	9.502	7.2800	5.3799	30.0117	24.10	0.281246
1	1	1	2021	3	2	0.2443	9.821	8.0600	5.7548	40.1957	18.50	0.101405
1	1	1	2021	3	3	0.3419	13.742	8.0600	5.7548	40.1957	18.50	0.337320
1	1	1	2021	3	4	0.6864	25.958	8.0600	5.7548	37.8166	14.20	0.103547
1	1	1	2021	3	5	0.8527	32.245	8.0600	5.7548	37.8166	14.20	0.047578
1	1	1	2021	3	6	0.3364	12.707	6.8800	4.9123	37.7707	10.13	0.027524
1	1	1	2021	3	7	0.3806	14.377	6.8800	4.9123	37.7707	9.39	0.000969
1	1	1	2021	3	8	0.3051	11.134	6.8800	4.9123	36.4932	9.35	0.000281
1	1	1	2021	3	9	0.3537	12.908	6.8800	4.9123	36.4931	8.01	0.000959
1	1	1	2021	3	10	0.3505	12.792	6.8800	4.9123	36.4932	8.14	0.001996

1	1	1	2021	3	11	0.3909	14.264	6.8800	4.9123	36.4932	7.45	0.000819
1	1	1	2021	3	12	0.4159	15.176	6.8800	4.9123	36.4932	7.07	0.000002
1	1	1	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	1	2021	3	14	0.0955	2.865	7.2800	5.1979	30.0117	32.40	0.000028
1	1	1	2021	3	15	0.0688	3.322	8.0600	5.7548	48.2848	22.10	0.004518
1	1	1	2021	3	16	0.7086	31.927	6.6500	4.7481	45.0549	12.96	0.008198
1	1	1	2021	3	17	0.6717	31.741	6.6500	4.7481	47.2522	11.66	0.002544
1	1	1	2021	3	18	1.1051	62.639	6.6500	4.7481	56.6821	10.20	0.002699
1	1	1	2021	3	19	1.1988	67.952	6.6500	4.7481	56.6821	9.88	0.001293
1	1	1	2021	3	20	1.2245	79.302	6.6500	4.7481	64.7605	8.71	0.006032
1	1	1	2021	3	21	1.5164	98.200	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2021	3	22	1.6067	209.225	6.6500	4.7481	130.2221	6.59	0.010278
1	1	1	2021	3	23	2.0052	396.668	6.6500	4.7481	197.8148	6.30	0.036527
1	1	1	2021	3	24	1.7875	15.341	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2021	3	25	0.9428	25.672	6.8800	4.9123	27.2301	6.45	0.000303
1	1	1	2021	3	26	4.7143	460.768	6.6500	4.7481	97.7390	4.36	0.003655
1	1	1	2021	3	27	3.9105	106.483	6.6500	4.7481	27.2301	6.18	0.007008
1	1	1	2021	3	28	0.1872	8.231	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	2	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	2	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2021	1	1	0.5611	16.839	7.2800	5.3799	30.0117	24.10	0.281246

1	1	2	2021	1	2	0.3623	14.565	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2021	1	3	0.4457	17.914	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2021	1	4	0.7902	29.881	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2021	1	5	0.8314	31.440	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2021	1	6	0.9679	36.557	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2021	1	7	0.9242	34.908	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2021	1	8	0.8076	29.471	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2021	1	9	0.9012	32.886	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2021	1	10	0.8968	32.728	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2021	1	11	0.9686	35.346	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2021	1	12	1.0319	37.656	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2021	1	14	0.0975	2.925	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2021	1	15	0.1141	5.511	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2021	1	16	0.2954	13.308	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2021	1	17	0.3314	15.662	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2021	1	18	0.4003	22.689	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2021	1	19	0.4370	24.771	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2021	1	20	0.5294	34.285	6.6500	4.7481	64.7605	8.71	0.006032
1	1	2	2021	1	21	0.6543	42.372	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2021	1	22	0.7396	96.317	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2021	1	23	0.8304	164.271	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2021	1	24	6.1476	52.760	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2021	1	25	1.7062	46.459	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2021	1	26	0.6416	62.706	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2021	1	27	0.9050	24.643	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2021	1	28	0.2643	11.621	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2021	2	1	13.7920	413.920	7.2800	5.3799	30.0117	24.10	0.281246
1	1	2	2021	2	2	11.1707	449.015	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2021	2	3	11.7884	473.842	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2021	2	4	15.1345	572.335	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2021	2	5	15.4571	584.537	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2021	2	6	25.0979	947.963	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2021	2	7	31.5029	1189.886	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2021	2	8	30.6608	1118.908	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2021	2	9	35.8118	1306.885	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2021	2	10	35.4450	1293.498	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2021	2	11	42.1220	1537.165	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2021	2	12	44.8592	1637.054	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2021	2	14	1.5920	47.780	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2021	2	15	0.7295	35.225	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2021	2	16	0.5516	24.852	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2021	2	17	0.5531	26.133	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2021	2	18	0.8340	47.272	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2021	2	19	0.9052	51.307	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2021	2	20	0.8202	53.114	6.6500	4.7481	64.7605	8.71	0.006032

1	1	2	2021	2	21	1.0166	65.833	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2021	2	22	1.2795	166.613	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2021	2	23	1.5755	311.661	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2021	2	24	51.5697	442.583	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2021	2	25	49.9510	1360.172	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2021	2	26	2.6365	257.688	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2021	2	27	2.0641	56.206	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2021	2	28	0.9988	43.920	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2021	3	1	0.2807	8.423	7.2800	5.3799	30.0117	24.10	0.281246
1	1	2	2021	3	2	0.2161	8.688	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2021	3	3	0.3016	12.123	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2021	3	4	0.6042	22.847	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2021	3	5	0.7471	28.255	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2021	3	6	0.3452	13.037	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2021	3	7	0.3905	14.751	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2021	3	8	0.3130	11.423	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2021	3	9	0.3629	13.243	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2021	3	10	0.3596	13.124	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2021	3	11	0.4010	14.635	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2021	3	12	0.4267	15.570	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2021	3	14	0.0861	2.584	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2021	3	15	0.0620	2.992	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2021	3	16	0.6369	28.697	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2021	3	17	0.6038	28.529	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2021	3	18	0.9933	56.301	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2021	3	19	1.0775	61.075	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2021	3	20	1.0998	71.225	6.6500	4.7481	64.7605	8.71	0.006032
1	1	2	2021	3	21	1.3619	88.198	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2021	3	22	1.4439	188.025	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2021	3	23	1.8026	356.582	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2021	3	24	1.6762	14.385	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2021	3	25	0.9673	26.340	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2021	3	26	4.2289	413.329	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2021	3	27	3.5083	95.531	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2021	3	28	0.1688	7.421	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	3	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819

1	1	3	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2021	1	1	0.4722	14.170	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2021	1	2	0.3064	12.314	8.0600	5.7548	40.1957	18.50	0.101405
1	1	3	2021	1	3	0.3818	15.349	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2021	1	4	0.6804	25.732	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2021	1	5	0.7178	27.144	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2021	1	6	0.8262	31.205	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2021	1	7	0.7875	29.746	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2021	1	8	0.6888	25.138	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2021	1	9	0.7717	28.161	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2021	1	10	0.7678	28.021	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2021	1	11	0.8313	30.338	6.8800	4.9123	36.4932	7.45	0.000819
1	1	3	2021	1	12	0.8874	32.382	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2021	1	14	0.0917	2.752	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2021	1	15	0.1069	5.159	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2021	1	16	0.2742	12.354	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2021	1	17	0.3077	14.539	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2021	1	18	0.3716	21.063	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2021	1	19	0.4057	22.996	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2021	1	20	0.4915	31.829	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2021	1	21	0.6074	39.336	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2021	1	22	0.6866	89.416	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2021	1	23	0.7709	152.502	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2021	1	24	5.3283	45.728	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2021	1	25	1.4595	39.743	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2021	1	26	0.5956	58.214	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2021	1	27	0.8401	22.877	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2021	1	28	0.2482	10.914	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2021	2	1	12.9379	388.289	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2021	2	2	10.4314	419.297	8.0600	5.7548	40.1957	18.50	0.101405

1	1	3	2021	2	3	11.0187	442.902	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2021	2	4	14.0537	531.463	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2021	2	5	14.3607	543.072	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2021	2	6	22.2979	842.206	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2021	2	7	27.9883	1057.139	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2021	2	8	27.2402	994.080	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2021	2	9	31.8165	1161.086	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2021	2	10	31.4906	1149.192	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2021	2	11	37.4228	1365.675	6.8800	4.9123	36.4932	7.45	0.000819
1	1	3	2021	2	12	39.8546	1454.420	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2021	2	14	1.4510	43.547	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2021	2	15	0.6619	31.959	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2021	2	16	0.4945	22.280	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2021	2	17	0.4958	23.429	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2021	2	18	0.7477	42.380	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2021	2	19	0.8115	45.997	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2021	2	20	0.7353	47.617	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2021	2	21	0.9114	59.020	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2021	2	22	1.1470	149.370	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2021	2	23	1.4125	279.407	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2021	2	24	43.3796	372.294	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2021	2	25	44.3783	1208.427	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2021	2	26	2.3636	231.019	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2021	2	27	1.8505	50.389	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2021	2	28	0.9081	39.934	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2021	3	1	0.2639	7.920	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2021	3	2	0.2028	8.152	8.0600	5.7548	40.1957	18.50	0.101405
1	1	3	2021	3	3	0.2834	11.390	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2021	3	4	0.5695	21.535	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2021	3	5	0.7062	26.706	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2021	3	6	0.3510	13.258	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2021	3	7	0.3971	15.000	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2021	3	8	0.3183	11.616	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2021	3	9	0.3690	13.467	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2021	3	10	0.3657	13.346	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2021	3	11	0.4078	14.883	6.8800	4.9123	36.4932	7.45	0.000819
1	1	3	2021	3	12	0.4339	15.833	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2021	3	14	0.0814	2.442	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2021	3	15	0.0585	2.825	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2021	3	16	0.6008	27.067	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2021	3	17	0.5695	26.909	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2021	3	18	0.9369	53.104	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2021	3	19	1.0163	57.607	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2021	3	20	1.0369	67.151	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2021	3	21	1.2840	83.154	6.6500	4.7481	64.7605	7.53	0.008655

1	1	3	2021	3	22	1.3618	177.332	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2021	3	23	1.7004	336.365	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2021	3	24	1.6447	14.115	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2021	3	25	0.9837	26.785	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2021	3	26	3.9841	389.403	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2021	3	27	3.3054	90.007	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2021	3	28	0.1595	7.013	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	4	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	4	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	4	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	4	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	4	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	4	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	4	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	4	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	4	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	4	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	4	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	4	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	4	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	4	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	4	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	4	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	4	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	4	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	4	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	4	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	4	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2021	1	1	0.4086	12.264	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2021	1	2	0.2664	10.707	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2021	1	3	0.3363	13.516	8.0600	5.7548	40.1957	18.50	0.337320
1	1	4	2021	1	4	0.6021	22.768	8.0600	5.7548	37.8166	14.20	0.103547
1	1	4	2021	1	5	0.6366	24.075	8.0600	5.7548	37.8166	14.20	0.047578
1	1	4	2021	1	6	0.7250	27.382	6.8800	4.9123	37.7707	10.13	0.027524
1	1	4	2021	1	7	0.6899	26.058	6.8800	4.9123	37.7707	9.39	0.000969
1	1	4	2021	1	8	0.6040	22.043	6.8800	4.9123	36.4932	9.35	0.000281
1	1	4	2021	1	9	0.6792	24.786	6.8800	4.9123	36.4931	8.01	0.000959
1	1	4	2021	1	10	0.6757	24.659	6.8800	4.9123	36.4932	8.14	0.001996
1	1	4	2021	1	11	0.7333	26.761	6.8800	4.9123	36.4932	7.45	0.000819
1	1	4	2021	1	12	0.7841	28.616	6.8800	4.9123	36.4932	7.07	0.000002

1	1	4	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2021	1	14	0.0875	2.627	7.2800	5.1979	30.0117	32.40	0.000028
1	1	4	2021	1	15	0.1016	4.908	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2021	1	16	0.2591	11.673	6.6500	4.7481	45.0549	12.96	0.008198
1	1	4	2021	1	17	0.2907	13.738	6.6500	4.7481	47.2522	11.66	0.002544
1	1	4	2021	1	18	0.3511	19.902	6.6500	4.7481	56.6821	10.20	0.002699
1	1	4	2021	1	19	0.3833	21.728	6.6500	4.7481	56.6821	9.88	0.001293
1	1	4	2021	1	20	0.4644	30.074	6.6500	4.7481	64.7605	8.71	0.006032
1	1	4	2021	1	21	0.5739	37.168	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2021	1	22	0.6488	84.487	6.6500	4.7481	130.2221	6.59	0.010278
1	1	4	2021	1	23	0.7284	144.095	6.6500	4.7481	197.8148	6.30	0.036527
1	1	4	2021	1	24	4.7431	40.706	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2021	1	25	1.2833	34.945	6.8800	4.9123	27.2301	6.45	0.000303
1	1	4	2021	1	26	0.5628	55.004	6.6500	4.7481	97.7390	4.36	0.003655
1	1	4	2021	1	27	0.7938	21.616	6.6500	4.7481	27.2301	6.18	0.007008
1	1	4	2021	1	28	0.2367	10.409	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2021	2	1	12.3279	369.981	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2021	2	2	9.9033	398.069	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2021	2	3	10.4689	420.803	8.0600	5.7548	40.1957	18.50	0.337320
1	1	4	2021	2	4	13.2817	502.269	8.0600	5.7548	37.8166	14.20	0.103547
1	1	4	2021	2	5	13.5775	513.454	8.0600	5.7548	37.8166	14.20	0.047578
1	1	4	2021	2	6	20.2979	766.665	6.8800	4.9123	37.7707	10.13	0.027524
1	1	4	2021	2	7	25.4779	962.319	6.8800	4.9123	37.7707	9.39	0.000969
1	1	4	2021	2	8	24.7969	904.916	6.8800	4.9123	36.4932	9.35	0.000281
1	1	4	2021	2	9	28.9628	1056.943	6.8800	4.9123	36.4931	8.01	0.000959
1	1	4	2021	2	10	28.6661	1046.116	6.8800	4.9123	36.4932	8.14	0.001996
1	1	4	2021	2	11	34.0662	1243.182	6.8800	4.9123	36.4932	7.45	0.000819
1	1	4	2021	2	12	36.2799	1323.966	6.8800	4.9123	36.4932	7.07	0.000002
1	1	4	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2021	2	14	1.3502	40.523	7.2800	5.1979	30.0117	32.40	0.000028
1	1	4	2021	2	15	0.6136	29.625	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2021	2	16	0.4537	20.443	6.6500	4.7481	45.0549	12.96	0.008198
1	1	4	2021	2	17	0.4549	21.497	6.6500	4.7481	47.2522	11.66	0.002544
1	1	4	2021	2	18	0.6860	38.885	6.6500	4.7481	56.6821	10.20	0.002699
1	1	4	2021	2	19	0.7446	42.204	6.6500	4.7481	56.6821	9.88	0.001293
1	1	4	2021	2	20	0.6746	43.691	6.6500	4.7481	64.7605	8.71	0.006032
1	1	4	2021	2	21	0.8362	54.154	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2021	2	22	1.0525	137.054	6.6500	4.7481	130.2221	6.59	0.010278
1	1	4	2021	2	23	1.2960	256.368	6.6500	4.7481	197.8148	6.30	0.036527
1	1	4	2021	2	24	37.5296	322.087	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2021	2	25	40.3978	1100.038	6.8800	4.9123	27.2301	6.45	0.000303
1	1	4	2021	2	26	2.1687	211.971	6.6500	4.7481	97.7390	4.36	0.003655
1	1	4	2021	2	27	1.6979	46.234	6.6500	4.7481	27.2301	6.18	0.007008
1	1	4	2021	2	28	0.8434	37.088	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2021	3	1	0.2519	7.561	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2021	3	2	0.1933	7.770	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2021	3	3	0.2703	10.866	8.0600	5.7548	40.1957	18.50	0.337320

1	1	4	2021	3	4	0.5447	20.598	8.0600	5.7548	37.8166	14.20	0.103547
1	1	4	2021	3	5	0.6769	25.599	8.0600	5.7548	37.8166	14.20	0.047578
1	1	4	2021	3	6	0.3552	13.415	6.8800	4.9123	37.7707	10.13	0.027524
1	1	4	2021	3	7	0.4019	15.178	6.8800	4.9123	37.7707	9.39	0.000969
1	1	4	2021	3	8	0.3221	11.754	6.8800	4.9123	36.4932	9.35	0.000281
1	1	4	2021	3	9	0.3734	13.627	6.8800	4.9123	36.4931	8.01	0.000959
1	1	4	2021	3	10	0.3701	13.504	6.8800	4.9123	36.4932	8.14	0.001996
1	1	4	2021	3	11	0.4127	15.059	6.8800	4.9123	36.4932	7.45	0.000819
1	1	4	2021	3	12	0.4390	16.021	6.8800	4.9123	36.4932	7.07	0.000002
1	1	4	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2021	3	14	0.0780	2.341	7.2800	5.1979	30.0117	32.40	0.000028
1	1	4	2021	3	15	0.0560	2.706	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2021	3	16	0.5749	25.903	6.6500	4.7481	45.0549	12.96	0.008198
1	1	4	2021	3	17	0.5450	25.752	6.6500	4.7481	47.2522	11.66	0.002544
1	1	4	2021	3	18	0.8966	50.820	6.6500	4.7481	56.6821	10.20	0.002699
1	1	4	2021	3	19	0.9726	55.130	6.6500	4.7481	56.6821	9.88	0.001293
1	1	4	2021	3	20	0.9920	64.241	6.6500	4.7481	64.7605	8.71	0.006032
1	1	4	2021	3	21	1.2284	79.551	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2021	3	22	1.3031	169.694	6.6500	4.7481	130.2221	6.59	0.010278
1	1	4	2021	3	23	1.6274	321.924	6.6500	4.7481	197.8148	6.30	0.036527
1	1	4	2021	3	24	1.6221	13.922	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2021	3	25	0.9953	27.103	6.8800	4.9123	27.2301	6.45	0.000303
1	1	4	2021	3	26	3.8093	372.313	6.6500	4.7481	97.7390	4.36	0.003655
1	1	4	2021	3	27	3.1605	86.061	6.6500	4.7481	27.2301	6.18	0.007008
1	1	4	2021	3	28	0.1528	6.721	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	5	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	5	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	5	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	5	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	5	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	5	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	5	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	5	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	5	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	5	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	5	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	5	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	5	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	5	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	5	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	5	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	5	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	5	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278

1	1	5	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	5	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	5	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	5	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	5	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2021	1	1	0.3610	10.834	7.2800	5.3799	30.0117	24.10	0.281246
1	1	5	2021	1	2	0.2364	9.501	8.0600	5.7548	40.1957	18.50	0.101405
1	1	5	2021	1	3	0.3021	12.142	8.0600	5.7548	40.1957	18.50	0.337320
1	1	5	2021	1	4	0.5433	20.545	8.0600	5.7548	37.8166	14.20	0.103547
1	1	5	2021	1	5	0.5758	21.774	8.0600	5.7548	37.8166	14.20	0.047578
1	1	5	2021	1	6	0.6491	24.515	6.8800	4.9123	37.7707	10.13	0.027524
1	1	5	2021	1	7	0.6167	23.292	6.8800	4.9123	37.7707	9.39	0.000969
1	1	5	2021	1	8	0.5404	19.722	6.8800	4.9123	36.4932	9.35	0.000281
1	1	5	2021	1	9	0.6098	22.254	6.8800	4.9123	36.4931	8.01	0.000959
1	1	5	2021	1	10	0.6066	22.137	6.8800	4.9123	36.4932	8.14	0.001996
1	1	5	2021	1	11	0.6598	24.078	6.8800	4.9123	36.4932	7.45	0.000819
1	1	5	2021	1	12	0.7067	25.791	6.8800	4.9123	36.4932	7.07	0.000002
1	1	5	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2021	1	14	0.0844	2.534	7.2800	5.1979	30.0117	32.40	0.000028
1	1	5	2021	1	15	0.0977	4.720	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2021	1	16	0.2477	11.162	6.6500	4.7481	45.0549	12.96	0.008198
1	1	5	2021	1	17	0.2780	13.137	6.6500	4.7481	47.2522	11.66	0.002544
1	1	5	2021	1	18	0.3358	19.031	6.6500	4.7481	56.6821	10.20	0.002699
1	1	5	2021	1	19	0.3666	20.778	6.6500	4.7481	56.6821	9.88	0.001293
1	1	5	2021	1	20	0.4441	28.758	6.6500	4.7481	64.7605	8.71	0.006032
1	1	5	2021	1	21	0.5488	35.542	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2021	1	22	0.6204	80.790	6.6500	4.7481	130.2221	6.59	0.010278
1	1	5	2021	1	23	0.6966	137.790	6.6500	4.7481	197.8148	6.30	0.036527
1	1	5	2021	1	24	4.3042	36.939	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2021	1	25	1.1512	31.347	6.8800	4.9123	27.2301	6.45	0.000303
1	1	5	2021	1	26	0.5381	52.598	6.6500	4.7481	97.7390	4.36	0.003655
1	1	5	2021	1	27	0.7591	20.670	6.6500	4.7481	27.2301	6.18	0.007008
1	1	5	2021	1	28	0.2281	10.031	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2021	2	1	11.8704	356.250	7.2800	5.3799	30.0117	24.10	0.281246
1	1	5	2021	2	2	9.5072	382.148	8.0600	5.7548	40.1957	18.50	0.101405
1	1	5	2021	2	3	10.0565	404.228	8.0600	5.7548	40.1957	18.50	0.337320
1	1	5	2021	2	4	12.7027	480.373	8.0600	5.7548	37.8166	14.20	0.103547
1	1	5	2021	2	5	12.9901	491.241	8.0600	5.7548	37.8166	14.20	0.047578
1	1	5	2021	2	6	18.7979	710.009	6.8800	4.9123	37.7707	10.13	0.027524
1	1	5	2021	2	7	23.5951	891.205	6.8800	4.9123	37.7707	9.39	0.000969
1	1	5	2021	2	8	22.9644	838.044	6.8800	4.9123	36.4932	9.35	0.000281
1	1	5	2021	2	9	26.8225	978.836	6.8800	4.9123	36.4931	8.01	0.000959
1	1	5	2021	2	10	26.5477	968.809	6.8800	4.9123	36.4932	8.14	0.001996
1	1	5	2021	2	11	31.5487	1151.312	6.8800	4.9123	36.4932	7.45	0.000819
1	1	5	2021	2	12	33.5988	1226.127	6.8800	4.9123	36.4932	7.07	0.000002
1	1	5	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	5	2021	2	14	1.2747	38.255	7.2800	5.1979	30.0117	32.40	0.000028
1	1	5	2021	2	15	0.5773	27.876	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2021	2	16	0.4231	19.065	6.6500	4.7481	45.0549	12.96	0.008198
1	1	5	2021	2	17	0.4243	20.048	6.6500	4.7481	47.2522	11.66	0.002544
1	1	5	2021	2	18	0.6398	36.265	6.6500	4.7481	56.6821	10.20	0.002699
1	1	5	2021	2	19	0.6944	39.360	6.6500	4.7481	56.6821	9.88	0.001293
1	1	5	2021	2	20	0.6292	40.746	6.6500	4.7481	64.7605	8.71	0.006032
1	1	5	2021	2	21	0.7799	50.504	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2021	2	22	0.9815	127.816	6.6500	4.7481	130.2221	6.59	0.010278
1	1	5	2021	2	23	1.2087	239.089	6.6500	4.7481	197.8148	6.30	0.036527
1	1	5	2021	2	24	33.1420	284.432	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2021	2	25	37.4125	1018.747	6.8800	4.9123	27.2301	6.45	0.000303
1	1	5	2021	2	26	2.0226	197.684	6.6500	4.7481	97.7390	4.36	0.003655
1	1	5	2021	2	27	1.5835	43.118	6.6500	4.7481	27.2301	6.18	0.007008
1	1	5	2021	2	28	0.7949	34.953	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2021	3	1	0.2430	7.292	7.2800	5.3799	30.0117	24.10	0.281246
1	1	5	2021	3	2	0.1862	7.483	8.0600	5.7548	40.1957	18.50	0.101405
1	1	5	2021	3	3	0.2605	10.473	8.0600	5.7548	40.1957	18.50	0.337320
1	1	5	2021	3	4	0.5261	19.895	8.0600	5.7548	37.8166	14.20	0.103547
1	1	5	2021	3	5	0.6550	24.770	8.0600	5.7548	37.8166	14.20	0.047578
1	1	5	2021	3	6	0.3583	13.533	6.8800	4.9123	37.7707	10.13	0.027524
1	1	5	2021	3	7	0.4054	15.312	6.8800	4.9123	37.7707	9.39	0.000969
1	1	5	2021	3	8	0.3249	11.858	6.8800	4.9123	36.4932	9.35	0.000281
1	1	5	2021	3	9	0.3767	13.747	6.8800	4.9123	36.4931	8.01	0.000959
1	1	5	2021	3	10	0.3733	13.623	6.8800	4.9123	36.4932	8.14	0.001996
1	1	5	2021	3	11	0.4163	15.192	6.8800	4.9123	36.4932	7.45	0.000819
1	1	5	2021	3	12	0.4429	16.162	6.8800	4.9123	36.4932	7.07	0.000002
1	1	5	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2021	3	14	0.0755	2.265	7.2800	5.1979	30.0117	32.40	0.000028
1	1	5	2021	3	15	0.0542	2.617	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2021	3	16	0.5556	25.030	6.6500	4.7481	45.0549	12.96	0.008198
1	1	5	2021	3	17	0.5266	24.884	6.6500	4.7481	47.2522	11.66	0.002544
1	1	5	2021	3	18	0.8664	49.108	6.6500	4.7481	56.6821	10.20	0.002699
1	1	5	2021	3	19	0.9398	53.272	6.6500	4.7481	56.6821	9.88	0.001293
1	1	5	2021	3	20	0.9583	62.059	6.6500	4.7481	64.7605	8.71	0.006032
1	1	5	2021	3	21	1.1867	76.848	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2021	3	22	1.2591	163.966	6.6500	4.7481	130.2221	6.59	0.010278
1	1	5	2021	3	23	1.5726	311.093	6.6500	4.7481	197.8148	6.30	0.036527
1	1	5	2021	3	24	1.6053	13.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2021	3	25	1.0041	27.341	6.8800	4.9123	27.2301	6.45	0.000303
1	1	5	2021	3	26	3.6781	359.495	6.6500	4.7481	97.7390	4.36	0.003655
1	1	5	2021	3	27	3.0518	83.102	6.6500	4.7481	27.2301	6.18	0.007008
1	1	5	2021	3	28	0.1479	6.502	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	6	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	6	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	6	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547

1	1	6	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	6	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	6	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2021	1	1	0.3239	9.722	7.2800	5.3799	30.0117	24.10	0.281246
1	1	6	2021	1	2	0.2130	8.564	8.0600	5.7548	40.1957	18.50	0.101405
1	1	6	2021	1	3	0.2755	11.073	8.0600	5.7548	40.1957	18.50	0.337320
1	1	6	2021	1	4	0.4976	18.816	8.0600	5.7548	37.8166	14.20	0.103547
1	1	6	2021	1	5	0.5284	19.984	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2021	1	6	0.5900	22.285	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2021	1	7	0.5597	21.141	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2021	1	8	0.4910	17.916	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2021	1	9	0.5559	20.285	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2021	1	10	0.5529	20.176	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2021	1	11	0.6026	21.992	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2021	1	12	0.6465	23.593	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2021	1	14	0.0820	2.462	7.2800	5.1979	30.0117	32.40	0.000028
1	1	6	2021	1	15	0.0947	4.573	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2021	1	16	0.2389	10.765	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2021	1	17	0.2681	12.669	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2021	1	18	0.3238	18.354	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2021	1	19	0.3535	20.038	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2021	1	20	0.4283	27.735	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2021	1	21	0.5293	34.277	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2021	1	22	0.5983	77.915	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2021	1	23	0.6718	132.886	6.6500	4.7481	197.8148	6.30	0.036527

1	1	6	2021	1	24	3.9628	34.010	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2021	1	25	1.0484	28.549	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2021	1	26	0.5190	50.726	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2021	1	27	0.7321	19.934	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2021	1	28	0.2214	9.736	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2021	2	1	11.5145	345.571	7.2800	5.3799	30.0117	24.10	0.281246
1	1	6	2021	2	2	9.1991	369.766	8.0600	5.7548	40.1957	18.50	0.101405
1	1	6	2021	2	3	9.7358	391.337	8.0600	5.7548	40.1957	18.50	0.337320
1	1	6	2021	2	4	12.2524	463.343	8.0600	5.7548	37.8166	14.20	0.103547
1	1	6	2021	2	5	12.5332	473.964	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2021	2	6	17.6312	665.943	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2021	2	7	22.1308	835.894	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2021	2	8	21.5392	786.032	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2021	2	9	25.1578	918.086	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2021	2	10	24.9001	908.681	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2021	2	11	29.5907	1079.857	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2021	2	12	31.5136	1150.029	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2021	2	14	1.2159	36.491	7.2800	5.1979	30.0117	32.40	0.000028
1	1	6	2021	2	15	0.5491	26.515	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2021	2	16	0.3994	17.993	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2021	2	17	0.4004	18.921	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2021	2	18	0.6038	34.226	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2021	2	19	0.6554	37.147	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2021	2	20	0.5938	38.455	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2021	2	21	0.7360	47.665	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2021	2	22	0.9264	120.632	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2021	2	23	1.1407	225.650	6.6500	4.7481	197.8148	6.30	0.036527
1	1	6	2021	2	24	29.7295	255.145	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2021	2	25	35.0905	955.520	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2021	2	26	1.9089	186.572	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2021	2	27	1.4945	40.694	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2021	2	28	0.7571	33.293	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2021	3	1	0.2360	7.082	7.2800	5.3799	30.0117	24.10	0.281246
1	1	6	2021	3	2	0.1806	7.260	8.0600	5.7548	40.1957	18.50	0.101405
1	1	6	2021	3	3	0.2529	10.167	8.0600	5.7548	40.1957	18.50	0.337320
1	1	6	2021	3	4	0.5116	19.348	8.0600	5.7548	37.8166	14.20	0.103547
1	1	6	2021	3	5	0.6379	24.124	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2021	3	6	0.3607	13.625	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2021	3	7	0.4081	15.416	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2021	3	8	0.3271	11.938	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2021	3	9	0.3792	13.840	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2021	3	10	0.3758	13.716	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2021	3	11	0.4191	15.295	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2021	3	12	0.4459	16.272	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2021	3	14	0.0735	2.206	7.2800	5.1979	30.0117	32.40	0.000028

1	1	6	2021	3	15	0.0528	2.547	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2021	3	16	0.5405	24.351	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2021	3	17	0.5123	24.209	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2021	3	18	0.8429	47.776	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2021	3	19	0.9143	51.827	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2021	3	20	0.9321	60.362	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2021	3	21	1.1542	74.746	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2021	3	22	1.2249	159.511	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2021	3	23	1.5301	302.669	6.6500	4.7481	197.8148	6.30	0.036527
1	1	6	2021	3	24	1.5921	13.664	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2021	3	25	1.0109	27.527	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2021	3	26	3.5761	349.526	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2021	3	27	2.9673	80.801	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2021	3	28	0.1440	6.332	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	7	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2021	1	1	0.2943	8.832	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2021	1	2	0.1944	7.814	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2021	1	3	0.2542	10.217	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2021	1	4	0.4610	17.433	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2021	1	5	0.4906	18.552	8.0600	5.7548	37.8166	14.20	0.047578

1	1	7	2021	1	6	0.5428	20.501	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2021	1	7	0.5142	19.420	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2021	1	8	0.4514	16.472	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2021	1	9	0.5127	18.710	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2021	1	10	0.5099	18.606	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2021	1	11	0.5569	20.322	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2021	1	12	0.5983	21.835	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2021	1	14	0.0801	2.404	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2021	1	15	0.0923	4.456	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2021	1	16	0.2319	10.447	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2021	1	17	0.2602	12.295	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2021	1	18	0.3142	17.812	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2021	1	19	0.3431	19.447	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2021	1	20	0.4156	26.916	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2021	1	21	0.5137	33.265	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2021	1	22	0.5807	75.615	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2021	1	23	0.6519	128.962	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2021	1	24	3.6897	31.666	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2021	1	25	0.9662	26.310	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2021	1	26	0.5037	49.228	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2021	1	27	0.7105	19.346	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2021	1	28	0.2160	9.501	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2021	2	1	11.2298	337.027	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2021	2	2	8.9527	359.859	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2021	2	3	9.4792	381.024	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2021	2	4	11.8921	449.719	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2021	2	5	12.1677	460.142	8.0600	5.7548	37.8166	14.20	0.047578
1	1	7	2021	2	6	16.6979	630.691	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2021	2	7	20.9592	791.645	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2021	2	8	20.3990	744.423	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2021	2	9	23.8260	869.486	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2021	2	10	23.5819	860.579	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2021	2	11	28.0243	1022.694	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2021	2	12	29.8453	1089.151	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2021	2	14	1.1689	35.080	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2021	2	15	0.5266	25.426	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2021	2	16	0.3803	17.136	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2021	2	17	0.3813	18.020	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2021	2	18	0.5751	32.595	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2021	2	19	0.6241	35.378	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2021	2	20	0.5655	36.623	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2021	2	21	0.7009	45.394	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2021	2	22	0.8822	114.884	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2021	2	23	1.0864	214.899	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2021	2	24	26.9995	231.715	1.3500	0.9639	8.5822	50.00	0.002374

1	1	7	2021	2	25	33.2330	904.938	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2021	2	26	1.8179	177.683	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2021	2	27	1.4233	38.755	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2021	2	28	0.7269	31.964	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2021	3	1	0.2304	6.915	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2021	3	2	0.1762	7.081	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2021	3	3	0.2469	9.922	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2021	3	4	0.5001	18.911	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2021	3	5	0.6243	23.608	8.0600	5.7548	37.8166	14.20	0.047578
1	1	7	2021	3	6	0.3627	13.698	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2021	3	7	0.4103	15.499	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2021	3	8	0.3289	12.002	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2021	3	9	0.3813	13.915	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2021	3	10	0.3779	13.790	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2021	3	11	0.4214	15.377	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2021	3	12	0.4483	16.360	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2021	3	14	0.0719	2.159	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2021	3	15	0.0516	2.492	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2021	3	16	0.5284	23.808	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2021	3	17	0.5009	23.669	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2021	3	18	0.8241	46.710	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2021	3	19	0.8940	50.671	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2021	3	20	0.9111	59.004	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2021	3	21	1.1282	73.065	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2021	3	22	1.1975	155.947	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2021	3	23	1.4960	295.930	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2021	3	24	1.5816	13.574	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2021	3	25	1.0163	27.675	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2021	3	26	3.4945	341.551	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2021	3	27	2.8997	78.959	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2021	3	28	0.1409	6.196	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	8	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518

1	1	8	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	8	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2021	1	1	0.2772	8.320	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2021	1	2	0.1830	7.357	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2021	1	3	0.2402	9.656	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2021	1	4	0.4360	16.487	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2021	1	5	0.4642	17.556	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2021	1	6	0.4976	18.795	6.8800	4.9123	37.7707	10.13	0.027524
1	1	8	2021	1	7	0.4715	17.808	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2021	1	8	0.4142	15.116	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2021	1	9	0.4703	17.161	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2021	1	10	0.4677	17.066	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2021	1	11	0.5106	18.633	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2021	1	12	0.5485	20.016	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2021	1	14	0.0767	2.301	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2021	1	15	0.0880	4.248	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2021	1	16	0.2194	9.885	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2021	1	17	0.2462	11.633	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2021	1	18	0.2973	16.853	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2021	1	19	0.3246	18.399	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2021	1	20	0.3932	25.466	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2021	1	21	0.4860	31.473	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2021	1	22	0.5494	71.542	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2021	1	23	0.6168	122.017	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2021	1	24	3.4610	29.703	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2021	1	25	0.8845	24.086	6.8800	4.9123	27.2301	6.45	0.000303
1	1	8	2021	1	26	0.4765	46.577	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2021	1	27	0.6722	18.304	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2021	1	28	0.2066	9.083	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2021	2	1	11.0238	330.844	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2021	2	2	8.7640	352.276	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2021	2	3	9.2851	373.222	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2021	2	4	11.6204	439.444	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2021	2	5	11.8923	449.726	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2021	2	6	15.3450	579.593	6.8800	4.9123	37.7707	10.13	0.027524

1	1	8	2021	2	7	19.2611	727.506	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2021	2	8	18.7463	684.110	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2021	2	9	21.8956	799.041	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2021	2	10	21.6713	790.856	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2021	2	11	25.7538	939.836	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2021	2	12	27.4273	1000.908	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2021	2	14	1.0975	32.938	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2021	2	15	0.4924	23.773	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2021	2	16	0.3515	15.835	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2021	2	17	0.3524	16.651	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2021	2	18	0.5314	30.121	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2021	2	19	0.5768	32.692	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2021	2	20	0.5226	33.843	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2021	2	21	0.6477	41.947	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2021	2	22	0.8152	106.162	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2021	2	23	1.0039	198.583	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2021	2	24	24.8279	213.079	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2021	2	25	30.5404	831.620	6.8800	4.9123	27.2301	6.45	0.000303
1	1	8	2021	2	26	1.6799	164.193	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2021	2	27	1.3152	35.813	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2021	2	28	0.6810	29.948	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2021	3	1	0.2216	6.650	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2021	3	2	0.1691	6.799	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2021	3	3	0.2373	9.539	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2021	3	4	0.4823	18.240	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2021	3	5	0.6039	22.837	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2021	3	6	0.3674	13.878	6.8800	4.9123	37.7707	10.13	0.027524
1	1	8	2021	3	7	0.4157	15.703	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2021	3	8	0.3332	12.160	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2021	3	9	0.3863	14.098	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2021	3	10	0.3828	13.971	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2021	3	11	0.4269	15.579	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2021	3	12	0.4542	16.575	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2021	3	14	0.0693	2.080	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2021	3	15	0.0497	2.398	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2021	3	16	0.5082	22.897	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2021	3	17	0.4817	22.763	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2021	3	18	0.7925	44.922	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2021	3	19	0.8597	48.731	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2021	3	20	0.8759	56.725	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2021	3	21	1.0847	70.243	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2021	3	22	1.1516	149.966	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2021	3	23	1.4388	284.622	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2021	3	24	1.5874	13.623	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2021	3	25	1.0297	28.039	6.8800	4.9123	27.2301	6.45	0.000303

1	1	8	2021	3	26	3.3576	328.168	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2021	3	27	2.7862	75.870	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2021	3	28	0.1357	5.968	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	9	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	9	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2021	1	1	0.2630	7.894	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2021	1	2	0.1736	6.977	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2021	1	3	0.2286	9.188	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2021	1	4	0.4151	15.699	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2021	1	5	0.4423	16.726	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2021	1	6	0.4600	17.374	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2021	1	7	0.4359	16.465	6.8800	4.9123	37.7707	9.39	0.000969
1	1	9	2021	1	8	0.3833	13.986	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2021	1	9	0.4349	15.870	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2021	1	10	0.4325	15.782	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2021	1	11	0.4720	17.226	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2021	1	12	0.5069	18.500	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2021	1	14	0.0738	2.216	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2021	1	15	0.0844	4.075	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2021	1	16	0.2090	9.416	6.6500	4.7481	45.0549	12.96	0.008198

1	1	9	2021	1	17	0.2345	11.081	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2021	1	18	0.2832	16.053	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2021	1	19	0.3092	17.526	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2021	1	20	0.3746	24.258	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2021	1	21	0.4629	29.980	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2021	1	22	0.5233	68.148	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2021	1	23	0.5876	116.228	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2021	1	24	3.2704	28.067	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2021	1	25	0.8165	22.233	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2021	1	26	0.4539	44.367	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2021	1	27	0.6403	17.436	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2021	1	28	0.1987	8.736	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2021	2	1	10.8522	325.692	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2021	2	2	8.6068	345.957	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2021	2	3	9.1234	366.720	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2021	2	4	11.3939	430.881	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2021	2	5	11.6627	441.045	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2021	2	6	14.2177	537.011	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2021	2	7	17.8460	674.057	6.8800	4.9123	37.7707	9.39	0.000969
1	1	9	2021	2	8	17.3690	633.849	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2021	2	9	20.2870	740.336	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2021	2	10	20.0792	732.753	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2021	2	11	23.8617	870.787	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2021	2	12	25.4122	927.373	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2021	2	14	1.0380	31.154	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2021	2	15	0.4638	22.397	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2021	2	16	0.3274	14.751	6.6500	4.7481	45.0549	12.96	0.008198
1	1	9	2021	2	17	0.3283	15.511	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2021	2	18	0.4950	28.059	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2021	2	19	0.5373	30.453	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2021	2	20	0.4868	31.526	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2021	2	21	0.6034	39.076	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2021	2	22	0.7594	98.894	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2021	2	23	0.9352	184.987	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2021	2	24	23.0183	197.549	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2021	2	25	28.2967	770.523	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2021	2	26	1.5649	152.951	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2021	2	27	1.2252	33.361	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2021	2	28	0.6428	28.269	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2021	3	1	0.2142	6.429	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2021	3	2	0.1633	6.563	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2021	3	3	0.2294	9.220	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2021	3	4	0.4675	17.680	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2021	3	5	0.5869	22.194	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2021	3	6	0.3714	14.029	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2021	3	7	0.4202	15.873	6.8800	4.9123	37.7707	9.39	0.000969

1	1	9	2021	3	8	0.3368	12.292	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2021	3	9	0.3905	14.250	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2021	3	10	0.3870	14.122	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2021	3	11	0.4315	15.748	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2021	3	12	0.4591	16.754	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2021	3	14	0.0671	2.014	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2021	3	15	0.0481	2.321	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2021	3	16	0.4913	22.137	6.6500	4.7481	45.0549	12.96	0.008198
1	1	9	2021	3	17	0.4658	22.008	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2021	3	18	0.7662	43.432	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2021	3	19	0.8312	47.115	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2021	3	20	0.8466	54.827	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2021	3	21	1.0484	67.892	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2021	3	22	1.1133	144.982	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2021	3	23	1.3912	275.199	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2021	3	24	1.5922	13.664	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2021	3	25	1.0409	28.343	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2021	3	26	3.2435	317.016	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2021	3	27	2.6917	73.295	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2021	3	28	0.1314	5.778	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	10	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655

1	1	10	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2021	1	1	0.2510	7.533	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2021	1	2	0.1656	6.655	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2021	1	3	0.2187	8.792	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2021	1	4	0.3975	15.032	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2021	1	5	0.4237	16.023	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2021	1	6	0.4281	16.171	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2021	1	7	0.4058	15.328	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2021	1	8	0.3571	13.030	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2021	1	9	0.4049	14.777	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2021	1	10	0.4027	14.696	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2021	1	11	0.4394	16.035	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2021	1	12	0.4718	17.217	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2021	1	14	0.0714	2.144	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2021	1	15	0.0814	3.929	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2021	1	16	0.2002	9.019	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2021	1	17	0.2246	10.614	6.6500	4.7481	47.2522	11.66	0.002544
1	1	10	2021	1	18	0.2713	15.377	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2021	1	19	0.2962	16.788	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2021	1	20	0.3588	23.236	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2021	1	21	0.4434	28.717	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2021	1	22	0.5013	65.277	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2021	1	23	0.5628	111.331	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2021	1	24	3.1091	26.683	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2021	1	25	0.7589	20.665	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2021	1	26	0.4348	42.498	6.6500	4.7481	97.7390	4.36	0.003655
1	1	10	2021	1	27	0.6133	16.701	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2021	1	28	0.1920	8.442	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2021	2	1	10.7069	321.332	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2021	2	2	8.4738	340.610	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2021	2	3	8.9865	361.219	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2021	2	4	11.2023	423.635	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2021	2	5	11.4685	433.700	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2021	2	6	13.2637	500.980	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2021	2	7	16.6487	628.831	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2021	2	8	16.2036	591.321	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2021	2	9	18.9258	690.663	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2021	2	10	18.7320	683.588	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2021	2	11	22.2607	812.362	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2021	2	12	23.7072	865.151	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2021	2	14	0.9877	29.644	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2021	2	15	0.4397	21.231	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2021	2	16	0.3070	13.833	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2021	2	17	0.3079	14.547	6.6500	4.7481	47.2522	11.66	0.002544

1	1	10	2021	2	18	0.4642	26.314	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2021	2	19	0.5039	28.560	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2021	2	20	0.4565	29.565	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2021	2	21	0.5659	36.645	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2021	2	22	0.7122	92.744	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2021	2	23	0.8770	173.483	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2021	2	24	21.4872	184.408	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2021	2	25	26.3981	718.824	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2021	2	26	1.4676	143.439	6.6500	4.7481	97.7390	4.36	0.003655
1	1	10	2021	2	27	1.1490	31.286	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2021	2	28	0.6105	26.847	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2021	3	1	0.2080	6.242	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2021	3	2	0.1583	6.363	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2021	3	3	0.2226	8.950	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2021	3	4	0.4550	17.207	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2021	3	5	0.5725	21.650	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2021	3	6	0.3748	14.156	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2021	3	7	0.4240	16.016	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2021	3	8	0.3399	12.403	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2021	3	9	0.3940	14.379	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2021	3	10	0.3905	14.250	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2021	3	11	0.4354	15.891	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2021	3	12	0.4633	16.906	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2021	3	14	0.0652	1.958	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2021	3	15	0.0467	2.255	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2021	3	16	0.4771	21.495	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2021	3	17	0.4522	21.369	6.6500	4.7481	47.2522	11.66	0.002544
1	1	10	2021	3	18	0.7440	42.171	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2021	3	19	0.8071	45.747	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2021	3	20	0.8218	53.220	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2021	3	21	1.0176	65.903	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2021	3	22	1.0810	140.765	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2021	3	23	1.3509	267.225	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2021	3	24	1.5962	13.699	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2021	3	25	1.0503	28.600	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2021	3	26	3.1469	307.580	6.6500	4.7481	97.7390	4.36	0.003655
1	1	10	2021	3	27	2.6117	71.116	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2021	3	28	0.1277	5.617	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281

1	1	11	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	11	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	11	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2021	1	1	0.2407	7.223	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2021	1	2	0.1587	6.379	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2021	1	3	0.2103	8.452	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2021	1	4	0.3824	14.460	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2021	1	5	0.4078	15.421	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2021	1	6	0.4009	15.141	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2021	1	7	0.3800	14.354	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2021	1	8	0.3346	12.211	6.8800	4.9123	36.4932	9.35	0.000281
1	1	11	2021	1	9	0.3793	13.841	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2021	1	10	0.3772	13.765	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2021	1	11	0.4114	15.015	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2021	1	12	0.4416	16.117	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2021	1	14	0.0694	2.082	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2021	1	15	0.0788	3.803	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2021	1	16	0.1926	8.679	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2021	1	17	0.2162	10.214	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2021	1	18	0.2611	14.797	6.6500	4.7481	56.6821	10.20	0.002699
1	1	11	2021	1	19	0.2850	16.155	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2021	1	20	0.3453	22.360	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2021	1	21	0.4267	27.634	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2021	1	22	0.4824	62.815	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2021	1	23	0.5416	107.133	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2021	1	24	2.9709	25.497	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2021	1	25	0.7095	19.320	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2021	1	26	0.4184	40.895	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2021	1	27	0.5902	16.071	6.6500	4.7481	27.2301	6.18	0.007008

1	1	11	2021	1	28	0.1862	8.189	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2021	2	1	10.5824	317.596	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2021	2	2	8.3598	336.027	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2021	2	3	8.8692	356.504	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2021	2	4	11.0381	417.425	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2021	2	5	11.3020	427.404	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2021	2	6	12.4461	470.096	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2021	2	7	15.6223	590.066	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2021	2	8	15.2047	554.868	6.8800	4.9123	36.4932	9.35	0.000281
1	1	11	2021	2	9	17.7591	648.086	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2021	2	10	17.5772	641.448	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2021	2	11	20.8884	762.282	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2021	2	12	22.2457	811.817	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2021	2	14	0.9446	28.349	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2021	2	15	0.4190	20.233	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2021	2	16	0.2896	13.047	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2021	2	17	0.2904	13.720	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2021	2	18	0.4378	24.818	6.6500	4.7481	56.6821	10.20	0.002699
1	1	11	2021	2	19	0.4752	26.936	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2021	2	20	0.4306	27.885	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2021	2	21	0.5337	34.563	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2021	2	22	0.6717	87.472	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2021	2	23	0.8271	163.622	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2021	2	24	20.1747	173.144	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2021	2	25	24.7708	674.511	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2021	2	26	1.3842	135.286	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2021	2	27	1.0837	29.508	6.6500	4.7481	27.2301	6.18	0.007008
1	1	11	2021	2	28	0.5828	25.629	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2021	3	1	0.2027	6.082	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2021	3	2	0.1541	6.192	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2021	3	3	0.2169	8.718	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2021	3	4	0.4443	16.802	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2021	3	5	0.5602	21.184	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2021	3	6	0.3777	14.265	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2021	3	7	0.4273	16.140	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2021	3	8	0.3425	12.499	6.8800	4.9123	36.4932	9.35	0.000281
1	1	11	2021	3	9	0.3971	14.490	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2021	3	10	0.3935	14.360	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2021	3	11	0.4388	16.013	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2021	3	12	0.4668	17.036	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2021	3	14	0.0636	1.910	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2021	3	15	0.0455	2.199	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2021	3	16	0.4648	20.944	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2021	3	17	0.4406	20.821	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2021	3	18	0.7249	41.090	6.6500	4.7481	56.6821	10.20	0.002699

1	1	11	2021	3	19	0.7864	44.575	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2021	3	20	0.8005	51.843	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2021	3	21	0.9913	64.197	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2021	3	22	1.0532	137.150	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2021	3	23	1.3163	260.390	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2021	3	24	1.5997	13.729	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2021	3	25	1.0584	28.820	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2021	3	26	3.0642	299.491	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2021	3	27	2.5431	69.249	6.6500	4.7481	27.2301	6.18	0.007008
1	1	11	2021	3	28	0.1246	5.479	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	12	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2021	1	1	0.2317	6.955	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2021	1	2	0.1528	6.140	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2021	1	3	0.2030	8.158	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2021	1	4	0.3693	13.965	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2021	1	5	0.3940	14.899	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2021	1	6	0.3772	14.247	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2021	1	7	0.3577	13.509	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2021	1	8	0.3151	11.501	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2021	1	9	0.3570	13.029	6.8800	4.9123	36.4931	8.01	0.000959

1	1	12	2021	1	10	0.3551	12.958	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2021	1	11	0.3872	14.130	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2021	1	12	0.4155	15.164	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2021	1	14	0.0676	2.028	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2021	1	15	0.0765	3.694	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2021	1	16	0.1861	8.384	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2021	1	17	0.2088	9.867	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2021	1	18	0.2522	14.295	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2021	1	19	0.2753	15.606	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2021	1	20	0.3335	21.600	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2021	1	21	0.4122	26.696	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2021	1	22	0.4660	60.682	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2021	1	23	0.5232	103.495	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2021	1	24	2.8511	24.469	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2021	1	25	0.6667	18.155	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2021	1	26	0.4042	39.506	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2021	1	27	0.5702	15.525	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2021	1	28	0.1813	7.971	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2021	2	1	10.4745	314.357	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2021	2	2	8.2610	332.055	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2021	2	3	8.7675	352.417	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2021	2	4	10.8958	412.042	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2021	2	5	11.1577	421.948	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2021	2	6	11.7374	443.331	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2021	2	7	14.7328	556.470	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2021	2	8	14.3390	523.276	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2021	2	9	16.7480	611.187	6.8800	4.9123	36.4931	8.01	0.000959
1	1	12	2021	2	10	16.5764	604.926	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2021	2	11	19.6991	718.881	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2021	2	12	20.9791	765.595	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2021	2	14	0.9072	27.228	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2021	2	15	0.4011	19.367	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2021	2	16	0.2745	12.366	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2021	2	17	0.2752	13.003	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2021	2	18	0.4150	23.522	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2021	2	19	0.4504	25.529	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2021	2	20	0.4081	26.428	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2021	2	21	0.5058	32.757	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2021	2	22	0.6366	82.903	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2021	2	23	0.7839	155.076	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2021	2	24	19.0372	163.382	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2021	2	25	23.3604	636.107	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2021	2	26	1.3119	128.220	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2021	2	27	1.0271	27.967	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2021	2	28	0.5588	24.573	8.0600	5.7548	43.9743	17.00	0.002242

1	1	12	2021	3	1	0.1980	5.944	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2021	3	2	0.1504	6.044	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2021	3	3	0.2119	8.517	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2021	3	4	0.4350	16.450	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2021	3	5	0.5495	20.779	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2021	3	6	0.3802	14.359	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2021	3	7	0.4301	16.246	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2021	3	8	0.3448	12.582	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2021	3	9	0.3997	14.586	6.8800	4.9123	36.4931	8.01	0.000959
1	1	12	2021	3	10	0.3961	14.455	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2021	3	11	0.4417	16.119	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2021	3	12	0.4699	17.149	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2021	3	14	0.0623	1.869	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2021	3	15	0.0445	2.150	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2021	3	16	0.4543	20.466	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2021	3	17	0.4306	20.347	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2021	3	18	0.7084	40.153	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2021	3	19	0.7685	43.559	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2021	3	20	0.7821	50.649	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2021	3	21	0.9685	62.719	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2021	3	22	1.0291	134.017	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2021	3	23	1.2864	254.467	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2021	3	24	1.6027	13.755	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2021	3	25	1.0654	29.010	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2021	3	26	2.9925	292.481	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2021	3	27	2.4837	67.631	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2021	3	28	0.1219	5.359	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	13	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293

1	1	13	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2021	1	1	0.2239	6.721	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2021	1	2	0.1476	5.931	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2021	1	3	0.1966	7.901	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2021	1	4	0.3578	13.531	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2021	1	5	0.3819	14.442	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2021	1	6	0.3527	13.321	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2021	1	7	0.3346	12.636	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2021	1	8	0.2950	10.766	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2021	1	9	0.3339	12.185	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2021	1	10	0.3321	12.119	6.8800	4.9123	36.4932	8.14	0.001996
1	1	13	2021	1	11	0.3619	13.207	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2021	1	12	0.3882	14.166	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2021	1	14	0.0653	1.959	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2021	1	15	0.0736	3.555	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2021	1	16	0.1777	8.008	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2021	1	17	0.1994	9.424	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2021	1	18	0.2409	13.653	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2021	1	19	0.2630	14.905	6.6500	4.7481	56.6821	9.88	0.001293
1	1	13	2021	1	20	0.3186	20.630	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2021	1	21	0.3937	25.497	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2021	1	22	0.4451	57.957	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2021	1	23	0.4997	98.847	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2021	1	24	2.7543	23.638	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2021	1	25	0.6222	16.942	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2021	1	26	0.3861	37.732	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2021	1	27	0.5445	14.828	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2021	1	28	0.1749	7.692	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2021	2	1	10.3801	311.524	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2021	2	2	8.1745	328.579	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2021	2	3	8.6786	348.841	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2021	2	4	10.7713	407.333	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2021	2	5	11.0315	417.174	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2021	2	6	10.9823	414.810	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2021	2	7	13.7851	520.671	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2021	2	8	13.4166	489.613	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2021	2	9	15.6705	571.868	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2021	2	10	15.5100	566.010	6.8800	4.9123	36.4932	8.14	0.001996

1	1	13	2021	2	11	18.4318	672.634	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2021	2	12	19.6295	716.343	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2021	2	14	0.8657	25.982	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2021	2	15	0.3812	18.406	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2021	2	16	0.2577	11.609	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2021	2	17	0.2583	12.208	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2021	2	18	0.3896	22.082	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2021	2	19	0.4228	23.967	6.6500	4.7481	56.6821	9.88	0.001293
1	1	13	2021	2	20	0.3831	24.811	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2021	2	21	0.4749	30.753	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2021	2	22	0.5977	77.830	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2021	2	23	0.7360	145.586	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2021	2	24	18.1208	155.517	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2021	2	25	21.8576	595.185	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2021	2	26	1.2316	120.374	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2021	2	27	0.9642	26.255	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2021	2	28	0.5321	23.400	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2021	3	1	0.1940	5.822	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2021	3	2	0.1471	5.915	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2021	3	3	0.2075	8.342	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2021	3	4	0.4269	16.142	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2021	3	5	0.5401	20.426	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2021	3	6	0.3845	14.524	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2021	3	7	0.4351	16.433	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2021	3	8	0.3487	12.726	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2021	3	9	0.4043	14.754	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2021	3	10	0.4007	14.621	6.8800	4.9123	36.4932	8.14	0.001996
1	1	13	2021	3	11	0.4468	16.304	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2021	3	12	0.4753	17.346	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2021	3	14	0.0606	1.820	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2021	3	15	0.0433	2.093	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2021	3	16	0.4418	19.907	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2021	3	17	0.4188	19.791	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2021	3	18	0.6890	39.056	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2021	3	19	0.7475	42.368	6.6500	4.7481	56.6821	9.88	0.001293
1	1	13	2021	3	20	0.7605	49.251	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2021	3	21	0.9417	60.988	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2021	3	22	1.0010	130.348	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2021	3	23	1.2513	247.528	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2021	3	24	1.6233	13.932	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2021	3	25	1.0776	29.344	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2021	3	26	2.9085	284.270	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2021	3	27	2.4140	65.735	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2021	3	28	0.1187	5.219	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246

1	1	14	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	14	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	14	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2021	1	1	0.2170	6.514	7.2800	5.3799	30.0117	24.10	0.281246
1	1	14	2021	1	2	0.1430	5.746	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2021	1	3	0.1909	7.674	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2021	1	4	0.3477	13.149	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2021	1	5	0.3712	14.039	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2021	1	6	0.3311	12.504	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2021	1	7	0.3142	11.866	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2021	1	8	0.2773	10.118	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2021	1	9	0.3135	11.440	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2021	1	10	0.3118	11.379	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2021	1	11	0.3396	12.392	6.8800	4.9123	36.4932	7.45	0.000819
1	1	14	2021	1	12	0.3640	13.285	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2021	1	14	0.0633	1.899	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2021	1	15	0.0711	3.433	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2021	1	16	0.1704	7.675	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2021	1	17	0.1912	9.033	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2021	1	18	0.2309	13.086	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2021	1	19	0.2521	14.287	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2021	1	20	0.3053	19.775	6.6500	4.7481	64.7605	8.71	0.006032

1	1	14	2021	1	21	0.3774	24.439	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2021	1	22	0.4266	55.553	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2021	1	23	0.4790	94.746	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2021	1	24	2.6689	22.905	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2021	1	25	0.5828	15.871	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2021	1	26	0.3700	36.167	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2021	1	27	0.5220	14.213	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2021	1	28	0.1693	7.445	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2021	2	1	10.2968	309.023	7.2800	5.3799	30.0117	24.10	0.281246
1	1	14	2021	2	2	8.0982	325.513	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2021	2	3	8.6001	345.686	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2021	2	4	10.6614	403.177	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2021	2	5	10.9201	412.961	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2021	2	6	10.3161	389.645	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2021	2	7	12.9488	489.084	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2021	2	8	12.6026	459.910	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2021	2	9	14.7199	537.175	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2021	2	10	14.5691	531.672	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2021	2	11	17.3136	631.828	6.8800	4.9123	36.4932	7.45	0.000819
1	1	14	2021	2	12	18.4387	672.885	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2021	2	14	0.8291	24.883	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2021	2	15	0.3636	17.558	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2021	2	16	0.2428	10.941	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2021	2	17	0.2435	11.505	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2021	2	18	0.3672	20.812	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2021	2	19	0.3985	22.589	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2021	2	20	0.3611	23.384	6.6500	4.7481	64.7605	8.71	0.006032
1	1	14	2021	2	21	0.4476	28.984	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2021	2	22	0.5633	73.353	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2021	2	23	0.6936	137.213	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2021	2	24	17.3122	148.577	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2021	2	25	20.5316	559.077	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2021	2	26	1.1607	113.450	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2021	2	27	0.9087	24.745	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2021	2	28	0.5086	22.366	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2021	3	1	0.1904	5.715	7.2800	5.3799	30.0117	24.10	0.281246
1	1	14	2021	3	2	0.1443	5.800	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2021	3	3	0.2037	8.187	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2021	3	4	0.4197	15.871	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2021	3	5	0.5319	20.114	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2021	3	6	0.3884	14.670	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2021	3	7	0.4394	16.598	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2021	3	8	0.3522	12.854	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2021	3	9	0.4083	14.902	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2021	3	10	0.4047	14.768	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2021	3	11	0.4513	16.468	6.8800	4.9123	36.4932	7.45	0.000819

1	1	14	2021	3	12	0.4801	17.520	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2021	3	14	0.0592	1.777	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2021	3	15	0.0423	2.042	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2021	3	16	0.4309	19.414	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2021	3	17	0.4084	19.300	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2021	3	18	0.6720	38.088	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2021	3	19	0.7289	41.318	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2021	3	20	0.7415	48.018	6.6500	4.7481	64.7605	8.71	0.006032
1	1	14	2021	3	21	0.9182	59.460	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2021	3	22	0.9761	127.110	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2021	3	23	1.2204	241.406	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2021	3	24	1.6415	14.087	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2021	3	25	1.0885	29.639	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2021	3	26	2.8343	277.024	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2021	3	27	2.3526	64.062	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2021	3	28	0.1159	5.095	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	15	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2021	1	1	0.2109	6.330	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2021	1	2	0.1389	5.582	8.0600	5.7548	40.1957	18.50	0.101405

1	1	15	2021	1	3	0.1859	7.472	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2021	1	4	0.3387	12.809	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2021	1	5	0.3618	13.681	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2021	1	6	0.3118	11.778	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2021	1	7	0.2960	11.181	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2021	1	8	0.2615	9.542	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2021	1	9	0.2953	10.778	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2021	1	10	0.2938	10.720	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2021	1	11	0.3197	11.667	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2021	1	12	0.3426	12.502	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2021	1	14	0.0615	1.845	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2021	1	15	0.0688	3.324	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2021	1	16	0.1638	7.380	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2021	1	17	0.1838	8.686	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2021	1	18	0.2220	12.583	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2021	1	19	0.2424	13.737	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2021	1	20	0.2936	19.014	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2021	1	21	0.3629	23.499	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2021	1	22	0.4102	53.415	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2021	1	23	0.4605	91.101	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2021	1	24	2.5930	22.254	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2021	1	25	0.5479	14.919	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2021	1	26	0.3558	34.775	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2021	1	27	0.5019	13.666	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2021	1	28	0.1643	7.226	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2021	2	1	10.2227	306.801	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2021	2	2	8.0304	322.787	8.0600	5.7548	40.1957	18.50	0.101405
1	1	15	2021	2	3	8.5303	342.882	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2021	2	4	10.5637	399.483	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2021	2	5	10.8211	409.217	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2021	2	6	9.7239	367.277	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2021	2	7	12.2054	461.006	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2021	2	8	11.8791	433.507	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2021	2	9	13.8748	506.336	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2021	2	10	13.7327	501.150	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2021	2	11	16.3196	595.555	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2021	2	12	17.3801	634.256	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2021	2	14	0.7966	23.906	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2021	2	15	0.3480	16.804	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2021	2	16	0.2297	10.348	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2021	2	17	0.2303	10.881	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2021	2	18	0.3473	19.683	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2021	2	19	0.3769	21.363	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2021	2	20	0.3415	22.115	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2021	2	21	0.4233	27.412	6.6500	4.7481	64.7605	7.53	0.008655

1	1	15	2021	2	22	0.5327	69.374	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2021	2	23	0.6560	129.769	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2021	2	24	16.5934	142.409	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2021	2	25	19.3529	526.982	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2021	2	26	1.0978	107.296	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2021	2	27	0.8595	23.403	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2021	2	28	0.4877	21.446	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2021	3	1	0.1873	5.620	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2021	3	2	0.1418	5.699	8.0600	5.7548	40.1957	18.50	0.101405
1	1	15	2021	3	3	0.2002	8.049	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2021	3	4	0.4133	15.630	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2021	3	5	0.5245	19.837	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2021	3	6	0.3918	14.800	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2021	3	7	0.4433	16.745	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2021	3	8	0.3553	12.968	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2021	3	9	0.4120	15.033	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2021	3	10	0.4083	14.898	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2021	3	11	0.4553	16.614	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2021	3	12	0.4843	17.675	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2021	3	14	0.0579	1.739	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2021	3	15	0.0414	1.997	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2021	3	16	0.4212	18.975	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2021	3	17	0.3992	18.864	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2021	3	18	0.6568	37.227	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2021	3	19	0.7125	40.385	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2021	3	20	0.7245	46.921	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2021	3	21	0.8972	58.102	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2021	3	22	0.9540	124.231	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2021	3	23	1.1929	235.963	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2021	3	24	1.6576	14.226	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2021	3	25	1.0981	29.901	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2021	3	26	2.7684	270.583	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2021	3	27	2.2980	62.575	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2021	3	28	0.1134	4.985	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	16	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002

1	1	16	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	16	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	16	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	16	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	16	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	16	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2021	1	1	0.2054	6.165	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2021	1	2	0.1352	5.436	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2021	1	3	0.1814	7.291	8.0600	5.7548	40.1957	18.50	0.337320
1	1	16	2021	1	4	0.3307	12.505	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2021	1	5	0.3533	13.361	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2021	1	6	0.2946	11.128	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2021	1	7	0.2798	10.569	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2021	1	8	0.2474	9.027	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2021	1	9	0.2791	10.185	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2021	1	10	0.2776	10.131	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2021	1	11	0.3019	11.019	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2021	1	12	0.3234	11.802	6.8800	4.9123	36.4932	7.07	0.000002
1	1	16	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2021	1	14	0.0599	1.797	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2021	1	15	0.0668	3.226	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2021	1	16	0.1579	7.116	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2021	1	17	0.1772	8.375	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2021	1	18	0.2140	12.132	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2021	1	19	0.2337	13.245	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2021	1	20	0.2831	18.333	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2021	1	21	0.3499	22.657	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2021	1	22	0.3955	51.503	6.6500	4.7481	130.2221	6.59	0.010278
1	1	16	2021	1	23	0.4440	87.839	6.6500	4.7481	197.8148	6.30	0.036527
1	1	16	2021	1	24	2.5251	21.671	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2021	1	25	0.5166	14.067	6.8800	4.9123	27.2301	6.45	0.000303
1	1	16	2021	1	26	0.3431	33.530	6.6500	4.7481	97.7390	4.36	0.003655
1	1	16	2021	1	27	0.4839	13.177	6.6500	4.7481	27.2301	6.18	0.007008
1	1	16	2021	1	28	0.1599	7.031	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2021	2	1	10.1564	304.812	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2021	2	2	7.9697	320.348	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2021	2	3	8.4679	340.372	8.0600	5.7548	40.1957	18.50	0.337320

1	1	16	2021	2	4	10.4763	396.178	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2021	2	5	10.7325	405.867	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2021	2	6	9.1940	347.262	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2021	2	7	11.5403	435.884	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2021	2	8	11.2318	409.884	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2021	2	9	13.1187	478.744	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2021	2	10	12.9844	473.840	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2021	2	11	15.4303	563.102	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2021	2	12	16.4330	599.693	6.8800	4.9123	36.4932	7.07	0.000002
1	1	16	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2021	2	14	0.7674	23.032	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2021	2	15	0.3341	16.130	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2021	2	16	0.2179	9.817	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2021	2	17	0.2185	10.323	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2021	2	18	0.3294	18.673	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2021	2	19	0.3576	20.267	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2021	2	20	0.3240	20.980	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2021	2	21	0.4016	26.005	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2021	2	22	0.5054	65.814	6.6500	4.7481	130.2221	6.59	0.010278
1	1	16	2021	2	23	0.6223	123.110	6.6500	4.7481	197.8148	6.30	0.036527
1	1	16	2021	2	24	15.9503	136.889	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2021	2	25	18.2983	498.265	6.8800	4.9123	27.2301	6.45	0.000303
1	1	16	2021	2	26	1.0414	101.790	6.6500	4.7481	97.7390	4.36	0.003655
1	1	16	2021	2	27	0.8153	22.202	6.6500	4.7481	27.2301	6.18	0.007008
1	1	16	2021	2	28	0.4690	20.623	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2021	3	1	0.1844	5.535	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2021	3	2	0.1395	5.608	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2021	3	3	0.1972	7.926	8.0600	5.7548	40.1957	18.50	0.337320
1	1	16	2021	3	4	0.4076	15.414	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2021	3	5	0.5180	19.588	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2021	3	6	0.3949	14.916	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2021	3	7	0.4468	16.876	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2021	3	8	0.3581	13.069	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2021	3	9	0.4152	15.151	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2021	3	10	0.4115	15.015	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2021	3	11	0.4588	16.744	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2021	3	12	0.4881	17.814	6.8800	4.9123	36.4932	7.07	0.000002
1	1	16	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2021	3	14	0.0568	1.705	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2021	3	15	0.0405	1.957	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2021	3	16	0.4124	18.582	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2021	3	17	0.3910	18.474	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2021	3	18	0.6432	36.457	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2021	3	19	0.6977	39.549	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2021	3	20	0.7094	45.940	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2021	3	21	0.8784	56.888	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2021	3	22	0.9342	121.656	6.6500	4.7481	130.2221	6.59	0.010278

1	1	16	2021	3	23	1.1682	231.094	6.6500	4.7481	197.8148	6.30	0.036527
1	1	16	2021	3	24	1.6721	14.350	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2021	3	25	1.1067	30.135	6.8800	4.9123	27.2301	6.45	0.000303
1	1	16	2021	3	26	2.7095	264.821	6.6500	4.7481	97.7390	4.36	0.003655
1	1	16	2021	3	27	2.2491	61.245	6.6500	4.7481	27.2301	6.18	0.007008
1	1	16	2021	3	28	0.1111	4.887	8.0600	5.7548	43.9743	17.00	0.002242
1	1	17	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	17	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	17	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	17	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	17	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	17	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	17	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	17	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	17	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	17	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	17	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	17	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	17	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	17	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	17	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	17	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	17	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	17	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	17	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	17	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	17	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	17	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	17	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	17	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	17	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	17	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	17	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	17	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	17	2021	1	1	0.2005	6.017	7.2800	5.3799	30.0117	24.10	0.281246
1	1	17	2021	1	2	0.1319	5.304	8.0600	5.7548	40.1957	18.50	0.101405
1	1	17	2021	1	3	0.1774	7.129	8.0600	5.7548	40.1957	18.50	0.337320
1	1	17	2021	1	4	0.3234	12.231	8.0600	5.7548	37.8166	14.20	0.103547
1	1	17	2021	1	5	0.3457	13.072	8.0600	5.7548	37.8166	14.20	0.047578
1	1	17	2021	1	6	0.2791	10.543	6.8800	4.9123	37.7707	10.13	0.027524
1	1	17	2021	1	7	0.2652	10.018	6.8800	4.9123	37.7707	9.39	0.000969
1	1	17	2021	1	8	0.2347	8.563	6.8800	4.9123	36.4932	9.35	0.000281
1	1	17	2021	1	9	0.2645	9.652	6.8800	4.9123	36.4931	8.01	0.000959
1	1	17	2021	1	10	0.2631	9.601	6.8800	4.9123	36.4932	8.14	0.001996
1	1	17	2021	1	11	0.2860	10.436	6.8800	4.9123	36.4932	7.45	0.000819
1	1	17	2021	1	12	0.3061	11.171	6.8800	4.9123	36.4932	7.07	0.000002
1	1	17	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	17	2021	1	14	0.0584	1.754	7.2800	5.1979	30.0117	32.40	0.000028
1	1	17	2021	1	15	0.0650	3.139	8.0600	5.7548	48.2848	22.10	0.004518
1	1	17	2021	1	16	0.1527	6.878	6.6500	4.7481	45.0549	12.96	0.008198
1	1	17	2021	1	17	0.1713	8.095	6.6500	4.7481	47.2522	11.66	0.002544
1	1	17	2021	1	18	0.2069	11.727	6.6500	4.7481	56.6821	10.20	0.002699
1	1	17	2021	1	19	0.2259	12.803	6.6500	4.7481	56.6821	9.88	0.001293
1	1	17	2021	1	20	0.2736	17.720	6.6500	4.7481	64.7605	8.71	0.006032
1	1	17	2021	1	21	0.3382	21.900	6.6500	4.7481	64.7605	7.53	0.008655
1	1	17	2021	1	22	0.3823	49.782	6.6500	4.7481	130.2221	6.59	0.010278
1	1	17	2021	1	23	0.4292	84.904	6.6500	4.7481	197.8148	6.30	0.036527
1	1	17	2021	1	24	2.4640	21.146	1.3500	0.9639	8.5822	50.00	0.002374
1	1	17	2021	1	25	0.4885	13.301	6.8800	4.9123	27.2301	6.45	0.000303
1	1	17	2021	1	26	0.3316	32.410	6.6500	4.7481	97.7390	4.36	0.003655
1	1	17	2021	1	27	0.4677	12.737	6.6500	4.7481	27.2301	6.18	0.007008
1	1	17	2021	1	28	0.1559	6.854	8.0600	5.7548	43.9743	17.00	0.002242
1	1	17	2021	2	1	10.0968	303.022	7.2800	5.3799	30.0117	24.10	0.281246
1	1	17	2021	2	2	7.9151	318.153	8.0600	5.7548	40.1957	18.50	0.101405
1	1	17	2021	2	3	8.4117	338.114	8.0600	5.7548	40.1957	18.50	0.337320
1	1	17	2021	2	4	10.3976	393.204	8.0600	5.7548	37.8166	14.20	0.103547
1	1	17	2021	2	5	10.6528	402.851	8.0600	5.7548	37.8166	14.20	0.047578
1	1	17	2021	2	6	8.7171	329.250	6.8800	4.9123	37.7707	10.13	0.027524
1	1	17	2021	2	7	10.9417	413.275	6.8800	4.9123	37.7707	9.39	0.000969
1	1	17	2021	2	8	10.6492	388.623	6.8800	4.9123	36.4932	9.35	0.000281
1	1	17	2021	2	9	12.4383	453.911	6.8800	4.9123	36.4931	8.01	0.000959
1	1	17	2021	2	10	12.3109	449.262	6.8800	4.9123	36.4932	8.14	0.001996
1	1	17	2021	2	11	14.6299	533.893	6.8800	4.9123	36.4932	7.45	0.000819
1	1	17	2021	2	12	15.5806	568.587	6.8800	4.9123	36.4932	7.07	0.000002
1	1	17	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	17	2021	2	14	0.7412	22.245	7.2800	5.1979	30.0117	32.40	0.000028
1	1	17	2021	2	15	0.3215	15.523	8.0600	5.7548	48.2848	22.10	0.004518
1	1	17	2021	2	16	0.2073	9.339	6.6500	4.7481	45.0549	12.96	0.008198
1	1	17	2021	2	17	0.2078	9.820	6.6500	4.7481	47.2522	11.66	0.002544
1	1	17	2021	2	18	0.3134	17.764	6.6500	4.7481	56.6821	10.20	0.002699
1	1	17	2021	2	19	0.3401	19.280	6.6500	4.7481	56.6821	9.88	0.001293
1	1	17	2021	2	20	0.3082	19.959	6.6500	4.7481	64.7605	8.71	0.006032
1	1	17	2021	2	21	0.3820	24.739	6.6500	4.7481	64.7605	7.53	0.008655
1	1	17	2021	2	22	0.4808	62.610	6.6500	4.7481	130.2221	6.59	0.010278
1	1	17	2021	2	23	0.5920	117.116	6.6500	4.7481	197.8148	6.30	0.036527
1	1	17	2021	2	24	15.3715	131.922	1.3500	0.9639	8.5822	50.00	0.002374
1	1	17	2021	2	25	17.3491	472.419	6.8800	4.9123	27.2301	6.45	0.000303
1	1	17	2021	2	26	0.9907	96.834	6.6500	4.7481	97.7390	4.36	0.003655
1	1	17	2021	2	27	0.7756	21.121	6.6500	4.7481	27.2301	6.18	0.007008
1	1	17	2021	2	28	0.4521	19.883	8.0600	5.7548	43.9743	17.00	0.002242
1	1	17	2021	3	1	0.1819	5.458	7.2800	5.3799	30.0117	24.10	0.281246
1	1	17	2021	3	2	0.1375	5.526	8.0600	5.7548	40.1957	18.50	0.101405
1	1	17	2021	3	3	0.1944	7.815	8.0600	5.7548	40.1957	18.50	0.337320
1	1	17	2021	3	4	0.4025	15.219	8.0600	5.7548	37.8166	14.20	0.103547

1	1	17	2021	3	5	0.5121	19.365	8.0600	5.7548	37.8166	14.20	0.047578
1	1	17	2021	3	6	0.3977	15.020	6.8800	4.9123	37.7707	10.13	0.027524
1	1	17	2021	3	7	0.4499	16.994	6.8800	4.9123	37.7707	9.39	0.000969
1	1	17	2021	3	8	0.3606	13.161	6.8800	4.9123	36.4932	9.35	0.000281
1	1	17	2021	3	9	0.4181	15.257	6.8800	4.9123	36.4931	8.01	0.000959
1	1	17	2021	3	10	0.4143	15.120	6.8800	4.9123	36.4932	8.14	0.001996
1	1	17	2021	3	11	0.4620	16.861	6.8800	4.9123	36.4932	7.45	0.000819
1	1	17	2021	3	12	0.4915	17.938	6.8800	4.9123	36.4932	7.07	0.000002
1	1	17	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	17	2021	3	14	0.0558	1.674	7.2800	5.1979	30.0117	32.40	0.000028
1	1	17	2021	3	15	0.0398	1.921	8.0600	5.7548	48.2848	22.10	0.004518
1	1	17	2021	3	16	0.4046	18.229	6.6500	4.7481	45.0549	12.96	0.008198
1	1	17	2021	3	17	0.3835	18.123	6.6500	4.7481	47.2522	11.66	0.002544
1	1	17	2021	3	18	0.6310	35.765	6.6500	4.7481	56.6821	10.20	0.002699
1	1	17	2021	3	19	0.6845	38.798	6.6500	4.7481	56.6821	9.88	0.001293
1	1	17	2021	3	20	0.6957	45.057	6.6500	4.7481	64.7605	8.71	0.006032
1	1	17	2021	3	21	0.8615	55.794	6.6500	4.7481	64.7605	7.53	0.008655
1	1	17	2021	3	22	0.9164	119.338	6.6500	4.7481	130.2221	6.59	0.010278
1	1	17	2021	3	23	1.1461	226.712	6.6500	4.7481	197.8148	6.30	0.036527
1	1	17	2021	3	24	1.6851	14.462	1.3500	0.9639	8.5822	50.00	0.002374
1	1	17	2021	3	25	1.1144	30.346	6.8800	4.9123	27.2301	6.45	0.000303
1	1	17	2021	3	26	2.6564	259.635	6.6500	4.7481	97.7390	4.36	0.003655
1	1	17	2021	3	27	2.2052	60.047	6.6500	4.7481	27.2301	6.18	0.007008
1	1	17	2021	3	28	0.1091	4.798	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	18	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527

1	1	18	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2021	1	1	0.1960	5.883	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2021	1	2	0.1290	5.184	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2021	1	3	0.1737	6.982	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2021	1	4	0.3169	11.983	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2021	1	5	0.3388	12.811	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2021	1	6	0.2644	9.987	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2021	1	7	0.2514	9.494	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2021	1	8	0.2226	8.123	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2021	1	9	0.2506	9.145	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2021	1	10	0.2493	9.097	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2021	1	11	0.2707	9.880	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2021	1	12	0.2897	10.571	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2021	1	14	0.0568	1.705	7.2800	5.1979	30.0117	32.40	0.000028
1	1	18	2021	1	15	0.0630	3.041	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2021	1	16	0.1468	6.614	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2021	1	17	0.1647	7.784	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2021	1	18	0.1989	11.276	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2021	1	19	0.2172	12.311	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2021	1	20	0.2631	17.039	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2021	1	21	0.3252	21.059	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2021	1	22	0.3676	47.869	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2021	1	23	0.4127	81.642	6.6500	4.7481	197.8148	6.30	0.036527
1	1	18	2021	1	24	2.4072	20.659	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2021	1	25	0.4617	12.572	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2021	1	26	0.3189	31.165	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2021	1	27	0.4498	12.247	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2021	1	28	0.1514	6.658	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2021	2	1	10.0460	301.497	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2021	2	2	7.8682	316.267	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2021	2	3	8.3638	336.187	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2021	2	4	10.3320	390.720	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2021	2	5	10.5862	400.335	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2021	2	6	8.2701	312.369	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2021	2	7	10.3807	392.086	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2021	2	8	10.1032	368.698	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2021	2	9	11.8005	430.639	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2021	2	10	11.6797	426.228	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2021	2	11	13.8799	506.520	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2021	2	12	14.7818	539.435	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2021	2	14	0.7157	21.478	7.2800	5.1979	30.0117	32.40	0.000028

1	1	18	2021	2	15	0.3092	14.931	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2021	2	16	0.1969	8.873	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2021	2	17	0.1975	9.330	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2021	2	18	0.2978	16.877	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2021	2	19	0.3232	18.318	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2021	2	20	0.2928	18.963	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2021	2	21	0.3629	23.504	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2021	2	22	0.4568	59.485	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2021	2	23	0.5625	111.271	6.6500	4.7481	197.8148	6.30	0.036527
1	1	18	2021	2	24	14.8365	127.330	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2021	2	25	16.4596	448.198	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2021	2	26	0.9413	92.001	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2021	2	27	0.7369	20.067	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2021	2	28	0.4357	19.161	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2021	3	1	0.1796	5.389	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2021	3	2	0.1356	5.452	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2021	3	3	0.1919	7.714	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2021	3	4	0.3978	15.044	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2021	3	5	0.5067	19.163	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2021	3	6	0.4018	15.177	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2021	3	7	0.4546	17.172	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2021	3	8	0.3644	13.298	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2021	3	9	0.4225	15.417	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2021	3	10	0.4187	15.279	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2021	3	11	0.4669	17.038	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2021	3	12	0.4967	18.126	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2021	3	14	0.0548	1.645	7.2800	5.1979	30.0117	32.40	0.000028
1	1	18	2021	3	15	0.0391	1.887	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2021	3	16	0.3972	17.895	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2021	3	17	0.3765	17.790	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2021	3	18	0.6194	35.108	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2021	3	19	0.6719	38.085	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2021	3	20	0.6828	44.220	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2021	3	21	0.8455	54.758	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2021	3	22	0.8996	117.142	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2021	3	23	1.1251	222.559	6.6500	4.7481	197.8148	6.30	0.036527
1	1	18	2021	3	24	1.7095	14.671	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2021	3	25	1.1261	30.664	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2021	3	26	2.6061	254.720	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2021	3	27	2.1635	58.913	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2021	3	28	0.1072	4.715	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578

1	1	19	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	19	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	19	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	19	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	19	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	19	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	19	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	19	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	19	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	19	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	19	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2021	1	1	0.1920	5.761	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2021	1	2	0.1263	5.075	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2021	1	3	0.1704	6.848	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2021	1	4	0.3109	11.758	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2021	1	5	0.3325	12.574	8.0600	5.7548	37.8166	14.20	0.047578
1	1	19	2021	1	6	0.2511	9.482	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2021	1	7	0.2388	9.019	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2021	1	8	0.2116	7.723	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2021	1	9	0.2380	8.684	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2021	1	10	0.2367	8.639	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2021	1	11	0.2569	9.376	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2021	1	12	0.2747	10.025	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2021	1	14	0.0554	1.662	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2021	1	15	0.0611	2.952	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2021	1	16	0.1415	6.374	6.6500	4.7481	45.0549	12.96	0.008198
1	1	19	2021	1	17	0.1587	7.501	6.6500	4.7481	47.2522	11.66	0.002544
1	1	19	2021	1	18	0.1917	10.867	6.6500	4.7481	56.6821	10.20	0.002699
1	1	19	2021	1	19	0.2093	11.864	6.6500	4.7481	56.6821	9.88	0.001293
1	1	19	2021	1	20	0.2536	16.420	6.6500	4.7481	64.7605	8.71	0.006032
1	1	19	2021	1	21	0.3134	20.294	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2021	1	22	0.3542	46.130	6.6500	4.7481	130.2221	6.59	0.010278
1	1	19	2021	1	23	0.3977	78.676	6.6500	4.7481	197.8148	6.30	0.036527
1	1	19	2021	1	24	2.3556	20.217	1.3500	0.9639	8.5822	50.00	0.002374

1	1	19	2021	1	25	0.4373	11.909	6.8800	4.9123	27.2301	6.45	0.000303
1	1	19	2021	1	26	0.3073	30.032	6.6500	4.7481	97.7390	4.36	0.003655
1	1	19	2021	1	27	0.4334	11.802	6.6500	4.7481	27.2301	6.18	0.007008
1	1	19	2021	1	28	0.1474	6.480	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2021	2	1	9.9998	300.111	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2021	2	2	7.8256	314.554	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2021	2	3	8.3202	334.435	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2021	2	4	10.2723	388.462	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2021	2	5	10.5257	398.047	8.0600	5.7548	37.8166	14.20	0.047578
1	1	19	2021	2	6	7.8638	297.023	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2021	2	7	9.8707	372.823	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2021	2	8	9.6068	350.584	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2021	2	9	11.2208	409.483	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2021	2	10	11.1059	405.288	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2021	2	11	13.1980	481.635	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2021	2	12	14.0556	512.933	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2021	2	14	0.6924	20.780	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2021	2	15	0.2981	14.393	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2021	2	16	0.1875	8.449	6.6500	4.7481	45.0549	12.96	0.008198
1	1	19	2021	2	17	0.1880	8.885	6.6500	4.7481	47.2522	11.66	0.002544
1	1	19	2021	2	18	0.2835	16.071	6.6500	4.7481	56.6821	10.20	0.002699
1	1	19	2021	2	19	0.3077	17.443	6.6500	4.7481	56.6821	9.88	0.001293
1	1	19	2021	2	20	0.2788	18.057	6.6500	4.7481	64.7605	8.71	0.006032
1	1	19	2021	2	21	0.3456	22.382	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2021	2	22	0.4350	56.644	6.6500	4.7481	130.2221	6.59	0.010278
1	1	19	2021	2	23	0.5356	105.957	6.6500	4.7481	197.8148	6.30	0.036527
1	1	19	2021	2	24	14.3501	123.156	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2021	2	25	15.6510	426.179	6.8800	4.9123	27.2301	6.45	0.000303
1	1	19	2021	2	26	0.8963	87.607	6.6500	4.7481	97.7390	4.36	0.003655
1	1	19	2021	2	27	0.7017	19.109	6.6500	4.7481	27.2301	6.18	0.007008
1	1	19	2021	2	28	0.4208	18.504	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2021	3	1	0.1775	5.326	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2021	3	2	0.1340	5.384	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2021	3	3	0.1896	7.623	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2021	3	4	0.3936	14.884	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2021	3	5	0.5019	18.979	8.0600	5.7548	37.8166	14.20	0.047578
1	1	19	2021	3	6	0.4056	15.320	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2021	3	7	0.4589	17.334	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2021	3	8	0.3678	13.424	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2021	3	9	0.4264	15.562	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2021	3	10	0.4226	15.423	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2021	3	11	0.4713	17.198	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2021	3	12	0.5014	18.297	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2021	3	14	0.0539	1.619	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2021	3	15	0.0384	1.856	8.0600	5.7548	48.2848	22.10	0.004518

1	1	19	2021	3	16	0.3904	17.590	6.6500	4.7481	45.0549	12.96	0.008198
1	1	19	2021	3	17	0.3701	17.488	6.6500	4.7481	47.2522	11.66	0.002544
1	1	19	2021	3	18	0.6088	34.511	6.6500	4.7481	56.6821	10.20	0.002699
1	1	19	2021	3	19	0.6605	37.438	6.6500	4.7481	56.6821	9.88	0.001293
1	1	19	2021	3	20	0.6711	43.459	6.6500	4.7481	64.7605	8.71	0.006032
1	1	19	2021	3	21	0.8310	53.816	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2021	3	22	0.8842	115.145	6.6500	4.7481	130.2221	6.59	0.010278
1	1	19	2021	3	23	1.1060	218.784	6.6500	4.7481	197.8148	6.30	0.036527
1	1	19	2021	3	24	1.7316	14.861	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2021	3	25	1.1367	30.953	6.8800	4.9123	27.2301	6.45	0.000303
1	1	19	2021	3	26	2.5604	250.253	6.6500	4.7481	97.7390	4.36	0.003655
1	1	19	2021	3	27	2.1256	57.881	6.6500	4.7481	27.2301	6.18	0.007008
1	1	19	2021	3	28	0.1055	4.638	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	20	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	20	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	20	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	20	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	20	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	20	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	20	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	20	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	20	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	20	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	20	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	20	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	20	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	20	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	20	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	20	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	20	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	20	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	20	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	20	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	20	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	20	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	20	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2021	1	1	0.1882	5.650	7.2800	5.3799	30.0117	24.10	0.281246
1	1	20	2021	1	2	0.1238	4.976	8.0600	5.7548	40.1957	18.50	0.101405
1	1	20	2021	1	3	0.1673	6.726	8.0600	5.7548	40.1957	18.50	0.337320
1	1	20	2021	1	4	0.3055	11.552	8.0600	5.7548	37.8166	14.20	0.103547
1	1	20	2021	1	5	0.3268	12.358	8.0600	5.7548	37.8166	14.20	0.047578
1	1	20	2021	1	6	0.2388	9.021	6.8800	4.9123	37.7707	10.13	0.027524

1	1	20	2021	1	7	0.2273	8.584	6.8800	4.9123	37.7707	9.39	0.000969
1	1	20	2021	1	8	0.2016	7.357	6.8800	4.9123	36.4932	9.35	0.000281
1	1	20	2021	1	9	0.2264	8.263	6.8800	4.9123	36.4931	8.01	0.000959
1	1	20	2021	1	10	0.2253	8.221	6.8800	4.9123	36.4932	8.14	0.001996
1	1	20	2021	1	11	0.2443	8.915	6.8800	4.9123	36.4932	7.45	0.000819
1	1	20	2021	1	12	0.2611	9.527	6.8800	4.9123	36.4932	7.07	0.000002
1	1	20	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2021	1	14	0.0540	1.622	7.2800	5.1979	30.0117	32.40	0.000028
1	1	20	2021	1	15	0.0595	2.871	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2021	1	16	0.1366	6.154	6.6500	4.7481	45.0549	12.96	0.008198
1	1	20	2021	1	17	0.1533	7.243	6.6500	4.7481	47.2522	11.66	0.002544
1	1	20	2021	1	18	0.1851	10.493	6.6500	4.7481	56.6821	10.20	0.002699
1	1	20	2021	1	19	0.2021	11.455	6.6500	4.7481	56.6821	9.88	0.001293
1	1	20	2021	1	20	0.2448	15.855	6.6500	4.7481	64.7605	8.71	0.006032
1	1	20	2021	1	21	0.3026	19.595	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2021	1	22	0.3420	44.542	6.6500	4.7481	130.2221	6.59	0.010278
1	1	20	2021	1	23	0.3840	75.968	6.6500	4.7481	197.8148	6.30	0.036527
1	1	20	2021	1	24	2.3085	19.812	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2021	1	25	0.4151	11.304	6.8800	4.9123	27.2301	6.45	0.000303
1	1	20	2021	1	26	0.2967	28.999	6.6500	4.7481	97.7390	4.36	0.003655
1	1	20	2021	1	27	0.4185	11.396	6.6500	4.7481	27.2301	6.18	0.007008
1	1	20	2021	1	28	0.1437	6.318	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2021	2	1	9.9576	298.845	7.2800	5.3799	30.0117	24.10	0.281246
1	1	20	2021	2	2	7.7866	312.989	8.0600	5.7548	40.1957	18.50	0.101405
1	1	20	2021	2	3	8.2804	332.836	8.0600	5.7548	40.1957	18.50	0.337320
1	1	20	2021	2	4	10.2177	386.400	8.0600	5.7548	37.8166	14.20	0.103547
1	1	20	2021	2	5	10.4705	395.957	8.0600	5.7548	37.8166	14.20	0.047578
1	1	20	2021	2	6	7.4929	283.011	6.8800	4.9123	37.7707	10.13	0.027524
1	1	20	2021	2	7	9.4051	355.236	6.8800	4.9123	37.7707	9.39	0.000969
1	1	20	2021	2	8	9.1537	334.046	6.8800	4.9123	36.4932	9.35	0.000281
1	1	20	2021	2	9	10.6915	390.166	6.8800	4.9123	36.4931	8.01	0.000959
1	1	20	2021	2	10	10.5820	386.169	6.8800	4.9123	36.4932	8.14	0.001996
1	1	20	2021	2	11	12.5754	458.915	6.8800	4.9123	36.4932	7.45	0.000819
1	1	20	2021	2	12	13.3925	488.736	6.8800	4.9123	36.4932	7.07	0.000002
1	1	20	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2021	2	14	0.6712	20.144	7.2800	5.1979	30.0117	32.40	0.000028
1	1	20	2021	2	15	0.2879	13.901	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2021	2	16	0.1789	8.062	6.6500	4.7481	45.0549	12.96	0.008198
1	1	20	2021	2	17	0.1794	8.478	6.6500	4.7481	47.2522	11.66	0.002544
1	1	20	2021	2	18	0.2706	15.335	6.6500	4.7481	56.6821	10.20	0.002699
1	1	20	2021	2	19	0.2936	16.644	6.6500	4.7481	56.6821	9.88	0.001293
1	1	20	2021	2	20	0.2661	17.230	6.6500	4.7481	64.7605	8.71	0.006032
1	1	20	2021	2	21	0.3298	21.357	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2021	2	22	0.4151	54.050	6.6500	4.7481	130.2221	6.59	0.010278
1	1	20	2021	2	23	0.5111	101.105	6.6500	4.7481	197.8148	6.30	0.036527
1	1	20	2021	2	24	13.9060	119.344	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2021	2	25	14.9127	406.074	6.8800	4.9123	27.2301	6.45	0.000303

1	1	20	2021	2	26	0.8553	83.596	6.6500	4.7481	97.7390	4.36	0.003655
1	1	20	2021	2	27	0.6696	18.234	6.6500	4.7481	27.2301	6.18	0.007008
1	1	20	2021	2	28	0.4072	17.905	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2021	3	1	0.1755	5.268	7.2800	5.3799	30.0117	24.10	0.281246
1	1	20	2021	3	2	0.1324	5.323	8.0600	5.7548	40.1957	18.50	0.101405
1	1	20	2021	3	3	0.1876	7.540	8.0600	5.7548	40.1957	18.50	0.337320
1	1	20	2021	3	4	0.3897	14.738	8.0600	5.7548	37.8166	14.20	0.103547
1	1	20	2021	3	5	0.4974	18.812	8.0600	5.7548	37.8166	14.20	0.047578
1	1	20	2021	3	6	0.4091	15.451	6.8800	4.9123	37.7707	10.13	0.027524
1	1	20	2021	3	7	0.4628	17.482	6.8800	4.9123	37.7707	9.39	0.000969
1	1	20	2021	3	8	0.3710	13.538	6.8800	4.9123	36.4932	9.35	0.000281
1	1	20	2021	3	9	0.4301	15.695	6.8800	4.9123	36.4931	8.01	0.000959
1	1	20	2021	3	10	0.4262	15.554	6.8800	4.9123	36.4932	8.14	0.001996
1	1	20	2021	3	11	0.4753	17.345	6.8800	4.9123	36.4932	7.45	0.000819
1	1	20	2021	3	12	0.5057	18.453	6.8800	4.9123	36.4932	7.07	0.000002
1	1	20	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2021	3	14	0.0531	1.595	7.2800	5.1979	30.0117	32.40	0.000028
1	1	20	2021	3	15	0.0378	1.827	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2021	3	16	0.3843	17.312	6.6500	4.7481	45.0549	12.96	0.008198
1	1	20	2021	3	17	0.3642	17.211	6.6500	4.7481	47.2522	11.66	0.002544
1	1	20	2021	3	18	0.5992	33.966	6.6500	4.7481	56.6821	10.20	0.002699
1	1	20	2021	3	19	0.6501	36.846	6.6500	4.7481	56.6821	9.88	0.001293
1	1	20	2021	3	20	0.6604	42.765	6.6500	4.7481	64.7605	8.71	0.006032
1	1	20	2021	3	21	0.8177	52.956	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2021	3	22	0.8702	113.322	6.6500	4.7481	130.2221	6.59	0.010278
1	1	20	2021	3	23	1.0886	215.337	6.6500	4.7481	197.8148	6.30	0.036527
1	1	20	2021	3	24	1.7519	15.035	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2021	3	25	1.1464	31.216	6.8800	4.9123	27.2301	6.45	0.000303
1	1	20	2021	3	26	2.5187	246.173	6.6500	4.7481	97.7390	4.36	0.003655
1	1	20	2021	3	27	2.0910	56.939	6.6500	4.7481	27.2301	6.18	0.007008
1	1	20	2021	3	28	0.1039	4.569	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	21	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198

1	1	21	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	21	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2021	1	1	0.1848	5.547	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2021	1	2	0.1215	4.885	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2021	1	3	0.1645	6.614	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2021	1	4	0.3005	11.364	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2021	1	5	0.3215	12.159	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2021	1	6	0.2277	8.599	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2021	1	7	0.2167	8.186	6.8800	4.9123	37.7707	9.39	0.000969
1	1	21	2021	1	8	0.1924	7.022	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2021	1	9	0.2158	7.877	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2021	1	10	0.2148	7.837	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2021	1	11	0.2327	8.492	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2021	1	12	0.2485	9.070	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2021	1	14	0.0528	1.585	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2021	1	15	0.0579	2.797	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2021	1	16	0.1321	5.953	6.6500	4.7481	45.0549	12.96	0.008198
1	1	21	2021	1	17	0.1483	7.006	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2021	1	18	0.1791	10.150	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2021	1	19	0.1955	11.081	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2021	1	20	0.2368	15.337	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2021	1	21	0.2927	18.955	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2021	1	22	0.3309	43.087	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2021	1	23	0.3715	73.486	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2021	1	24	2.2653	19.442	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2021	1	25	0.3947	10.749	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2021	1	26	0.2870	28.051	6.6500	4.7481	97.7390	4.36	0.003655
1	1	21	2021	1	27	0.4048	11.024	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2021	1	28	0.1403	6.168	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2021	2	1	9.9190	297.685	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2021	2	2	7.7509	311.555	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2021	2	3	8.2439	331.370	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2021	2	4	10.1678	384.510	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2021	2	5	10.4198	394.043	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2021	2	6	7.1528	270.167	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2021	2	7	8.9782	339.114	6.8800	4.9123	37.7707	9.39	0.000969

1	1	21	2021	2	8	8.7382	318.886	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2021	2	9	10.2063	372.458	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2021	2	10	10.1017	368.643	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2021	2	11	12.0047	438.088	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2021	2	12	12.7847	466.555	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2021	2	14	0.6517	19.560	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2021	2	15	0.2786	13.451	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2021	2	16	0.1711	7.707	6.6500	4.7481	45.0549	12.96	0.008198
1	1	21	2021	2	17	0.1715	8.105	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2021	2	18	0.2586	14.661	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2021	2	19	0.2807	15.912	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2021	2	20	0.2544	16.472	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2021	2	21	0.3153	20.417	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2021	2	22	0.3968	51.673	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2021	2	23	0.4886	96.657	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2021	2	24	13.4989	115.851	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2021	2	25	14.2359	387.645	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2021	2	26	0.8177	79.918	6.6500	4.7481	97.7390	4.36	0.003655
1	1	21	2021	2	27	0.6402	17.431	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2021	2	28	0.3947	17.355	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2021	3	1	0.1738	5.215	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2021	3	2	0.1310	5.266	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2021	3	3	0.1857	7.463	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2021	3	4	0.3862	14.604	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2021	3	5	0.4934	18.658	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2021	3	6	0.4122	15.571	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2021	3	7	0.4664	17.617	6.8800	4.9123	37.7707	9.39	0.000969
1	1	21	2021	3	8	0.3739	13.643	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2021	3	9	0.4334	15.817	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2021	3	10	0.4295	15.675	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2021	3	11	0.4790	17.479	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2021	3	12	0.5096	18.596	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2021	3	14	0.0524	1.572	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2021	3	15	0.0373	1.801	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2021	3	16	0.3786	17.058	6.6500	4.7481	45.0549	12.96	0.008198
1	1	21	2021	3	17	0.3589	16.958	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2021	3	18	0.5904	33.466	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2021	3	19	0.6405	36.304	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2021	3	20	0.6505	42.128	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2021	3	21	0.8055	52.168	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2021	3	22	0.8574	111.651	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2021	3	23	1.0726	212.177	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2021	3	24	1.7704	15.194	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2021	3	25	1.1553	31.458	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2021	3	26	2.4804	242.434	6.6500	4.7481	97.7390	4.36	0.003655

1	1	21	2021	3	27	2.0593	56.076	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2021	3	28	0.1024	4.505	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	22	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	22	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2021	1	1	0.1817	5.454	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2021	1	2	0.1195	4.801	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2021	1	3	0.1620	6.511	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2021	1	4	0.2959	11.190	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2021	1	5	0.3167	11.976	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2021	1	6	0.2174	8.210	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2021	1	7	0.2070	7.820	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2021	1	8	0.1840	6.714	6.8800	4.9123	36.4932	9.35	0.000281
1	1	22	2021	1	9	0.2061	7.522	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2021	1	10	0.2051	7.485	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2021	1	11	0.2221	8.104	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2021	1	12	0.2370	8.650	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2021	1	14	0.0517	1.551	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2021	1	15	0.0565	2.729	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2021	1	16	0.1280	5.768	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2021	1	17	0.1437	6.788	6.6500	4.7481	47.2522	11.66	0.002544

1	1	22	2021	1	18	0.1735	9.834	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2021	1	19	0.1894	10.737	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2021	1	20	0.2295	14.861	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2021	1	21	0.2836	18.366	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2021	1	22	0.3206	41.748	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2021	1	23	0.3599	71.202	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2021	1	24	2.2256	19.101	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2021	1	25	0.3760	10.239	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2021	1	26	0.2781	27.180	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2021	1	27	0.3923	10.681	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2021	1	28	0.1372	6.031	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2021	2	1	9.8834	296.618	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2021	2	2	7.7181	310.235	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2021	2	3	8.2104	330.021	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2021	2	4	10.1218	382.772	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2021	2	5	10.3732	392.281	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2021	2	6	6.8400	258.350	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2021	2	7	8.5855	324.282	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2021	2	8	8.3560	304.938	6.8800	4.9123	36.4932	9.35	0.000281
1	1	22	2021	2	9	9.7599	356.168	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2021	2	10	9.6599	352.519	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2021	2	11	11.4796	418.926	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2021	2	12	12.2256	446.149	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2021	2	14	0.6338	19.023	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2021	2	15	0.2700	13.037	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2021	2	16	0.1638	7.381	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2021	2	17	0.1643	7.762	6.6500	4.7481	47.2522	11.66	0.002544
1	1	22	2021	2	18	0.2477	14.040	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2021	2	19	0.2688	15.239	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2021	2	20	0.2436	15.775	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2021	2	21	0.3019	19.553	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2021	2	22	0.3800	49.485	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2021	2	23	0.4679	92.565	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2021	2	24	13.1244	112.636	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2021	2	25	13.6132	370.690	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2021	2	26	0.7831	76.535	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2021	2	27	0.6131	16.693	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2021	2	28	0.3832	16.850	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2021	3	1	0.1722	5.167	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2021	3	2	0.1297	5.214	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2021	3	3	0.1839	7.393	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2021	3	4	0.3829	14.481	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2021	3	5	0.4896	18.517	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2021	3	6	0.4152	15.681	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2021	3	7	0.4697	17.742	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2021	3	8	0.3765	13.740	6.8800	4.9123	36.4932	9.35	0.000281

1	1	22	2021	3	9	0.4365	15.928	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2021	3	10	0.4326	15.785	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2021	3	11	0.4824	17.603	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2021	3	12	0.5132	18.727	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2021	3	14	0.0517	1.552	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2021	3	15	0.0368	1.777	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2021	3	16	0.3734	16.824	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2021	3	17	0.3540	16.725	6.6500	4.7481	47.2522	11.66	0.002544
1	1	22	2021	3	18	0.5823	33.007	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2021	3	19	0.6317	35.806	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2021	3	20	0.6415	41.543	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2021	3	21	0.7943	51.442	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2021	3	22	0.8456	110.114	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2021	3	23	1.0579	209.271	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2021	3	24	1.7875	15.341	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2021	3	25	1.1635	31.681	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2021	3	26	2.4452	238.994	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2021	3	27	2.0302	55.282	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2021	3	28	0.1011	4.446	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	23	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008

1	1	23	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2021	1	1	0.1791	5.375	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2021	1	2	0.1177	4.733	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2021	1	3	0.1599	6.426	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2021	1	4	0.2923	11.054	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2021	1	5	0.3130	11.836	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2021	1	6	0.2080	7.857	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2021	1	7	0.1982	7.488	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2021	1	8	0.1763	6.435	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2021	1	9	0.1973	7.200	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2021	1	10	0.1963	7.165	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2021	1	11	0.2124	7.752	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2021	1	12	0.2266	8.269	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2021	1	14	0.0505	1.517	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2021	1	15	0.0551	2.659	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2021	1	16	0.1238	5.578	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2021	1	17	0.1389	6.565	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2021	1	18	0.1678	9.510	6.6500	4.7481	56.6821	10.20	0.002699
1	1	23	2021	1	19	0.1832	10.383	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2021	1	20	0.2219	14.371	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2021	1	21	0.2743	17.761	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2021	1	22	0.3100	40.373	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2021	1	23	0.3481	68.857	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2021	1	24	2.1843	18.746	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2021	1	25	0.3590	9.776	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2021	1	26	0.2689	26.284	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2021	1	27	0.3793	10.329	6.6500	4.7481	27.2301	6.18	0.007008
1	1	23	2021	1	28	0.1340	5.890	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2021	2	1	9.8692	296.190	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2021	2	2	7.7057	309.737	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2021	2	3	8.1984	329.541	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2021	2	4	10.1029	382.057	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2021	2	5	10.3541	391.559	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2021	2	6	6.5701	248.157	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2021	2	7	8.2468	311.487	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2021	2	8	8.0264	292.907	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2021	2	9	9.3748	342.115	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2021	2	10	9.2788	338.611	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2021	2	11	11.0267	402.398	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2021	2	12	11.7432	428.547	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2021	2	14	0.6177	18.538	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2021	2	15	0.2623	12.663	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2021	2	16	0.1573	7.087	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2021	2	17	0.1577	7.452	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2021	2	18	0.2378	13.480	6.6500	4.7481	56.6821	10.20	0.002699

1	1	23	2021	2	19	0.2581	14.631	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2021	2	20	0.2339	15.146	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2021	2	21	0.2899	18.773	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2021	2	22	0.3649	47.512	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2021	2	23	0.4493	88.873	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2021	2	24	12.7493	109.417	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2021	2	25	13.0761	356.065	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2021	2	26	0.7518	73.482	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2021	2	27	0.5886	16.028	6.6500	4.7481	27.2301	6.18	0.007008
1	1	23	2021	2	28	0.3728	16.393	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2021	3	1	0.1707	5.122	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2021	3	2	0.1285	5.167	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2021	3	3	0.1823	7.328	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2021	3	4	0.3799	14.368	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2021	3	5	0.4862	18.386	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2021	3	6	0.4192	15.833	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2021	3	7	0.4743	17.914	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2021	3	8	0.3802	13.873	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2021	3	9	0.4407	16.083	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2021	3	10	0.4368	15.939	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2021	3	11	0.4870	17.774	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2021	3	12	0.5182	18.910	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2021	3	14	0.0512	1.537	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2021	3	15	0.0365	1.760	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2021	3	16	0.3696	16.654	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2021	3	17	0.3504	16.556	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2021	3	18	0.5764	32.673	6.6500	4.7481	56.6821	10.20	0.002699
1	1	23	2021	3	19	0.6253	35.444	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2021	3	20	0.6349	41.118	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2021	3	21	0.7862	50.916	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2021	3	22	0.8370	108.999	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2021	3	23	1.0473	207.163	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2021	3	24	1.8093	15.528	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2021	3	25	1.1748	31.989	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2021	3	26	2.4197	236.499	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2021	3	27	2.0090	54.706	6.6500	4.7481	27.2301	6.18	0.007008
1	1	23	2021	3	28	0.1001	4.404	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959

1	1	24	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	24	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	24	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	24	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	24	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	24	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	24	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	24	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2021	1	1	0.1767	5.302	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2021	1	2	0.1162	4.669	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2021	1	3	0.1579	6.347	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2021	1	4	0.2890	10.927	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2021	1	5	0.3095	11.705	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2021	1	6	0.1994	7.531	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2021	1	7	0.1901	7.180	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2021	1	8	0.1692	6.176	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2021	1	9	0.1892	6.903	6.8800	4.9123	36.4931	8.01	0.000959
1	1	24	2021	1	10	0.1882	6.869	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2021	1	11	0.2035	7.426	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2021	1	12	0.2169	7.917	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2021	1	14	0.0495	1.485	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2021	1	15	0.0537	2.594	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2021	1	16	0.1199	5.402	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2021	1	17	0.1345	6.358	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2021	1	18	0.1625	9.210	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2021	1	19	0.1774	10.056	6.6500	4.7481	56.6821	9.88	0.001293
1	1	24	2021	1	20	0.2149	13.918	6.6500	4.7481	64.7605	8.71	0.006032
1	1	24	2021	1	21	0.2656	17.201	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2021	1	22	0.3003	39.100	6.6500	4.7481	130.2221	6.59	0.010278
1	1	24	2021	1	23	0.3371	66.685	6.6500	4.7481	197.8148	6.30	0.036527
1	1	24	2021	1	24	2.1461	18.418	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2021	1	25	0.3433	9.348	6.8800	4.9123	27.2301	6.45	0.000303
1	1	24	2021	1	26	0.2604	25.455	6.6500	4.7481	97.7390	4.36	0.003655
1	1	24	2021	1	27	0.3674	10.004	6.6500	4.7481	27.2301	6.18	0.007008
1	1	24	2021	1	28	0.1310	5.760	8.0600	5.7548	43.9743	17.00	0.002242

1	1	24	2021	2	1	9.8560	295.795	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2021	2	2	7.6942	309.275	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2021	2	3	8.1874	329.096	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2021	2	4	10.0854	381.395	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2021	2	5	10.3365	390.891	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2021	2	6	6.3202	238.719	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2021	2	7	7.9332	299.641	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2021	2	8	7.7211	281.767	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2021	2	9	9.0182	329.104	6.8800	4.9123	36.4931	8.01	0.000959
1	1	24	2021	2	10	8.9259	325.733	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2021	2	11	10.6073	387.093	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2021	2	12	11.2966	412.248	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2021	2	14	0.6027	18.089	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2021	2	15	0.2551	12.317	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2021	2	16	0.1512	6.814	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2021	2	17	0.1516	7.166	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2021	2	18	0.2287	12.962	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2021	2	19	0.2482	14.068	6.6500	4.7481	56.6821	9.88	0.001293
1	1	24	2021	2	20	0.2249	14.563	6.6500	4.7481	64.7605	8.71	0.006032
1	1	24	2021	2	21	0.2787	18.051	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2021	2	22	0.3508	45.684	6.6500	4.7481	130.2221	6.59	0.010278
1	1	24	2021	2	23	0.4320	85.455	6.6500	4.7481	197.8148	6.30	0.036527
1	1	24	2021	2	24	12.4019	106.436	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2021	2	25	12.5788	342.523	6.8800	4.9123	27.2301	6.45	0.000303
1	1	24	2021	2	26	0.7229	70.656	6.6500	4.7481	97.7390	4.36	0.003655
1	1	24	2021	2	27	0.5660	15.411	6.6500	4.7481	27.2301	6.18	0.007008
1	1	24	2021	2	28	0.3632	15.971	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2021	3	1	0.1693	5.080	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2021	3	2	0.1274	5.122	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2021	3	3	0.1808	7.268	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2021	3	4	0.3771	14.262	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2021	3	5	0.4830	18.265	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2021	3	6	0.4229	15.975	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2021	3	7	0.4785	18.074	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2021	3	8	0.3836	13.997	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2021	3	9	0.4447	16.227	6.8800	4.9123	36.4931	8.01	0.000959
1	1	24	2021	3	10	0.4407	16.081	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2021	3	11	0.4914	17.932	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2021	3	12	0.5228	19.078	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2021	3	14	0.0508	1.524	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2021	3	15	0.0361	1.744	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2021	3	16	0.3661	16.496	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2021	3	17	0.3471	16.400	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2021	3	18	0.5710	32.365	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2021	3	19	0.6194	35.109	6.6500	4.7481	56.6821	9.88	0.001293

1	1	24	2021	3	20	0.6288	40.725	6.6500	4.7481	64.7605	8.71	0.006032
1	1	24	2021	3	21	0.7787	50.429	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2021	3	22	0.8291	107.967	6.6500	4.7481	130.2221	6.59	0.010278
1	1	24	2021	3	23	1.0374	205.211	6.6500	4.7481	197.8148	6.30	0.036527
1	1	24	2021	3	24	1.8296	15.702	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2021	3	25	1.1852	32.274	6.8800	4.9123	27.2301	6.45	0.000303
1	1	24	2021	3	26	2.3961	234.189	6.6500	4.7481	97.7390	4.36	0.003655
1	1	24	2021	3	27	1.9894	54.173	6.6500	4.7481	27.2301	6.18	0.007008
1	1	24	2021	3	28	0.0992	4.364	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	25	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	25	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	25	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	25	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	25	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	25	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	25	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	25	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	25	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	25	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	25	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	25	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	25	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	25	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	25	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	25	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	25	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	25	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	25	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	25	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	25	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	25	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	25	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2021	1	1	0.1744	5.234	7.2800	5.3799	30.0117	24.10	0.281246
1	1	25	2021	1	2	0.1147	4.610	8.0600	5.7548	40.1957	18.50	0.101405
1	1	25	2021	1	3	0.1561	6.274	8.0600	5.7548	40.1957	18.50	0.337320
1	1	25	2021	1	4	0.2859	10.810	8.0600	5.7548	37.8166	14.20	0.103547
1	1	25	2021	1	5	0.3063	11.584	8.0600	5.7548	37.8166	14.20	0.047578
1	1	25	2021	1	6	0.1914	7.228	6.8800	4.9123	37.7707	10.13	0.027524
1	1	25	2021	1	7	0.1825	6.895	6.8800	4.9123	37.7707	9.39	0.000969
1	1	25	2021	1	8	0.1627	5.936	6.8800	4.9123	36.4932	9.35	0.000281
1	1	25	2021	1	9	0.1816	6.626	6.8800	4.9123	36.4931	8.01	0.000959
1	1	25	2021	1	10	0.1807	6.594	6.8800	4.9123	36.4932	8.14	0.001996

1	1	25	2021	1	11	0.1952	7.123	6.8800	4.9123	36.4932	7.45	0.000819
1	1	25	2021	1	12	0.2080	7.590	6.8800	4.9123	36.4932	7.07	0.000002
1	1	25	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2021	1	14	0.0485	1.455	7.2800	5.1979	30.0117	32.40	0.000028
1	1	25	2021	1	15	0.0525	2.534	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2021	1	16	0.1163	5.239	6.6500	4.7481	45.0549	12.96	0.008198
1	1	25	2021	1	17	0.1305	6.166	6.6500	4.7481	47.2522	11.66	0.002544
1	1	25	2021	1	18	0.1576	8.932	6.6500	4.7481	56.6821	10.20	0.002699
1	1	25	2021	1	19	0.1720	9.752	6.6500	4.7481	56.6821	9.88	0.001293
1	1	25	2021	1	20	0.2084	13.497	6.6500	4.7481	64.7605	8.71	0.006032
1	1	25	2021	1	21	0.2576	16.681	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2021	1	22	0.2912	37.917	6.6500	4.7481	130.2221	6.59	0.010278
1	1	25	2021	1	23	0.3269	64.669	6.6500	4.7481	197.8148	6.30	0.036527
1	1	25	2021	1	24	2.1106	18.113	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2021	1	25	0.3287	8.951	6.8800	4.9123	27.2301	6.45	0.000303
1	1	25	2021	1	26	0.2526	24.686	6.6500	4.7481	97.7390	4.36	0.003655
1	1	25	2021	1	27	0.3563	9.701	6.6500	4.7481	27.2301	6.18	0.007008
1	1	25	2021	1	28	0.1282	5.639	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2021	2	1	9.8437	295.427	7.2800	5.3799	30.0117	24.10	0.281246
1	1	25	2021	2	2	7.6836	308.847	8.0600	5.7548	40.1957	18.50	0.101405
1	1	25	2021	2	3	8.1771	328.683	8.0600	5.7548	40.1957	18.50	0.337320
1	1	25	2021	2	4	10.0691	380.780	8.0600	5.7548	37.8166	14.20	0.103547
1	1	25	2021	2	5	10.3201	390.270	8.0600	5.7548	37.8166	14.20	0.047578
1	1	25	2021	2	6	6.0882	229.955	6.8800	4.9123	37.7707	10.13	0.027524
1	1	25	2021	2	7	7.6419	288.640	6.8800	4.9123	37.7707	9.39	0.000969
1	1	25	2021	2	8	7.4376	271.422	6.8800	4.9123	36.4932	9.35	0.000281
1	1	25	2021	2	9	8.6872	317.022	6.8800	4.9123	36.4931	8.01	0.000959
1	1	25	2021	2	10	8.5982	313.774	6.8800	4.9123	36.4932	8.14	0.001996
1	1	25	2021	2	11	10.2179	372.882	6.8800	4.9123	36.4932	7.45	0.000819
1	1	25	2021	2	12	10.8819	397.113	6.8800	4.9123	36.4932	7.07	0.000002
1	1	25	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2021	2	14	0.5889	17.673	7.2800	5.1979	30.0117	32.40	0.000028
1	1	25	2021	2	15	0.2484	11.995	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2021	2	16	0.1456	6.561	6.6500	4.7481	45.0549	12.96	0.008198
1	1	25	2021	2	17	0.1460	6.899	6.6500	4.7481	47.2522	11.66	0.002544
1	1	25	2021	2	18	0.2202	12.480	6.6500	4.7481	56.6821	10.20	0.002699
1	1	25	2021	2	19	0.2390	13.545	6.6500	4.7481	56.6821	9.88	0.001293
1	1	25	2021	2	20	0.2165	14.022	6.6500	4.7481	64.7605	8.71	0.006032
1	1	25	2021	2	21	0.2684	17.380	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2021	2	22	0.3378	43.987	6.6500	4.7481	130.2221	6.59	0.010278
1	1	25	2021	2	23	0.4159	82.281	6.6500	4.7481	197.8148	6.30	0.036527
1	1	25	2021	2	24	12.0794	103.668	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2021	2	25	12.1170	329.948	6.8800	4.9123	27.2301	6.45	0.000303
1	1	25	2021	2	26	0.6961	68.031	6.6500	4.7481	97.7390	4.36	0.003655
1	1	25	2021	2	27	0.5449	14.839	6.6500	4.7481	27.2301	6.18	0.007008
1	1	25	2021	2	28	0.3543	15.579	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2021	3	1	0.1680	5.042	7.2800	5.3799	30.0117	24.10	0.281246

1	1	25	2021	3	2	0.1264	5.081	8.0600	5.7548	40.1957	18.50	0.101405
1	1	25	2021	3	3	0.1794	7.212	8.0600	5.7548	40.1957	18.50	0.337320
1	1	25	2021	3	4	0.3746	14.165	8.0600	5.7548	37.8166	14.20	0.103547
1	1	25	2021	3	5	0.4800	18.153	8.0600	5.7548	37.8166	14.20	0.047578
1	1	25	2021	3	6	0.4264	16.106	6.8800	4.9123	37.7707	10.13	0.027524
1	1	25	2021	3	7	0.4825	18.223	6.8800	4.9123	37.7707	9.39	0.000969
1	1	25	2021	3	8	0.3867	14.112	6.8800	4.9123	36.4932	9.35	0.000281
1	1	25	2021	3	9	0.4483	16.360	6.8800	4.9123	36.4931	8.01	0.000959
1	1	25	2021	3	10	0.4443	16.213	6.8800	4.9123	36.4932	8.14	0.001996
1	1	25	2021	3	11	0.4954	18.080	6.8800	4.9123	36.4932	7.45	0.000819
1	1	25	2021	3	12	0.5271	19.235	6.8800	4.9123	36.4932	7.07	0.000002
1	1	25	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2021	3	14	0.0503	1.511	7.2800	5.1979	30.0117	32.40	0.000028
1	1	25	2021	3	15	0.0358	1.729	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2021	3	16	0.3629	16.350	6.6500	4.7481	45.0549	12.96	0.008198
1	1	25	2021	3	17	0.3440	16.255	6.6500	4.7481	47.2522	11.66	0.002544
1	1	25	2021	3	18	0.5659	32.078	6.6500	4.7481	56.6821	10.20	0.002699
1	1	25	2021	3	19	0.6139	34.798	6.6500	4.7481	56.6821	9.88	0.001293
1	1	25	2021	3	20	0.6232	40.359	6.6500	4.7481	64.7605	8.71	0.006032
1	1	25	2021	3	21	0.7717	49.977	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2021	3	22	0.8217	107.008	6.6500	4.7481	130.2221	6.59	0.010278
1	1	25	2021	3	23	1.0282	203.398	6.6500	4.7481	197.8148	6.30	0.036527
1	1	25	2021	3	24	1.8484	15.863	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2021	3	25	1.1950	32.539	6.8800	4.9123	27.2301	6.45	0.000303
1	1	25	2021	3	26	2.3741	232.044	6.6500	4.7481	97.7390	4.36	0.003655
1	1	25	2021	3	27	1.9712	53.677	6.6500	4.7481	27.2301	6.18	0.007008
1	1	25	2021	3	28	0.0984	4.328	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	26	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032

1	1	26	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2021	1	1	0.1723	5.171	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2021	1	2	0.1133	4.554	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2021	1	3	0.1544	6.206	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2021	1	4	0.2830	10.701	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2021	1	5	0.3033	11.471	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2021	1	6	0.1839	6.946	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2021	1	7	0.1755	6.629	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2021	1	8	0.1565	5.713	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2021	1	9	0.1745	6.369	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2021	1	10	0.1737	6.338	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2021	1	11	0.1875	6.842	6.8800	4.9123	36.4932	7.45	0.000819
1	1	26	2021	1	12	0.1996	7.285	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2021	1	14	0.0475	1.427	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2021	1	15	0.0513	2.478	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2021	1	16	0.1129	5.087	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2021	1	17	0.1267	5.987	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2021	1	18	0.1530	8.673	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2021	1	19	0.1670	9.468	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2021	1	20	0.2024	13.105	6.6500	4.7481	64.7605	8.71	0.006032
1	1	26	2021	1	21	0.2501	16.197	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2021	1	22	0.2827	36.817	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2021	1	23	0.3174	62.792	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2021	1	24	2.0775	17.830	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2021	1	25	0.3151	8.581	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2021	1	26	0.2452	23.969	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2021	1	27	0.3459	9.419	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2021	1	28	0.1257	5.526	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2021	2	1	9.8323	295.085	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2021	2	2	7.6737	308.448	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2021	2	3	8.1675	328.299	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2021	2	4	10.0540	380.208	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2021	2	5	10.3048	389.692	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2021	2	6	5.8722	221.795	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2021	2	7	7.3707	278.398	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2021	2	8	7.1737	261.791	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2021	2	9	8.3789	305.773	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2021	2	10	8.2931	302.640	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2021	2	11	9.8553	359.651	6.8800	4.9123	36.4932	7.45	0.000819

1	1	26	2021	2	12	10.4957	383.022	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2021	2	14	0.5759	17.285	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2021	2	15	0.2422	11.696	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2021	2	16	0.1404	6.325	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2021	2	17	0.1408	6.652	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2021	2	18	0.2123	12.032	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2021	2	19	0.2304	13.059	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2021	2	20	0.2087	13.519	6.6500	4.7481	64.7605	8.71	0.006032
1	1	26	2021	2	21	0.2587	16.756	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2021	2	22	0.3257	42.407	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2021	2	23	0.4010	79.325	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2021	2	24	11.7791	101.091	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2021	2	25	11.6871	318.240	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2021	2	26	0.6711	65.588	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2021	2	27	0.5254	14.306	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2021	2	28	0.3460	15.214	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2021	3	1	0.1668	5.006	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2021	3	2	0.1255	5.043	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2021	3	3	0.1781	7.161	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2021	3	4	0.3722	14.074	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2021	3	5	0.4773	18.048	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2021	3	6	0.4296	16.228	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2021	3	7	0.4861	18.361	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2021	3	8	0.3896	14.219	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2021	3	9	0.4517	16.484	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2021	3	10	0.4476	16.336	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2021	3	11	0.4992	18.217	6.8800	4.9123	36.4932	7.45	0.000819
1	1	26	2021	3	12	0.5311	19.381	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2021	3	14	0.0500	1.499	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2021	3	15	0.0355	1.715	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2021	3	16	0.3599	16.214	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2021	3	17	0.3411	16.119	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2021	3	18	0.5612	31.811	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2021	3	19	0.6088	34.509	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2021	3	20	0.6180	40.019	6.6500	4.7481	64.7605	8.71	0.006032
1	1	26	2021	3	21	0.7652	49.556	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2021	3	22	0.8149	106.116	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2021	3	23	1.0197	201.711	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2021	3	24	1.8659	16.013	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2021	3	25	1.2040	32.786	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2021	3	26	2.3537	230.047	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2021	3	27	1.9543	53.216	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2021	3	28	0.0976	4.294	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405

1	1	27	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	27	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2021	1	1	0.1703	5.112	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2021	1	2	0.1120	4.503	8.0600	5.7548	40.1957	18.50	0.101405
1	1	27	2021	1	3	0.1528	6.143	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2021	1	4	0.2803	10.599	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2021	1	5	0.3005	11.366	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2021	1	6	0.1769	6.682	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2021	1	7	0.1689	6.381	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2021	1	8	0.1508	5.504	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2021	1	9	0.1679	6.129	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2021	1	10	0.1671	6.100	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2021	1	11	0.1803	6.579	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2021	1	12	0.1918	7.001	6.8800	4.9123	36.4932	7.07	0.000002
1	1	27	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2021	1	14	0.0467	1.401	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2021	1	15	0.0502	2.425	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2021	1	16	0.1098	4.945	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2021	1	17	0.1232	5.819	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2021	1	18	0.1487	8.431	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2021	1	19	0.1624	9.204	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2021	1	20	0.1967	12.740	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2021	1	21	0.2431	15.745	6.6500	4.7481	64.7605	7.53	0.008655

1	1	27	2021	1	22	0.2748	35.789	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2021	1	23	0.3086	61.039	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2021	1	24	2.0466	17.565	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2021	1	25	0.3024	8.236	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2021	1	26	0.2384	23.300	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2021	1	27	0.3363	9.157	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2021	1	28	0.1233	5.421	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2021	2	1	9.8217	294.766	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2021	2	2	7.6644	308.075	8.0600	5.7548	40.1957	18.50	0.101405
1	1	27	2021	2	3	8.1586	327.940	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2021	2	4	10.0399	379.674	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2021	2	5	10.2905	389.153	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2021	2	6	5.6705	214.180	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2021	2	7	7.1177	268.839	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2021	2	8	6.9274	252.803	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2021	2	9	8.0912	295.274	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2021	2	10	8.0083	292.249	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2021	2	11	9.5169	347.302	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2021	2	12	10.1353	369.871	6.8800	4.9123	36.4932	7.07	0.000002
1	1	27	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2021	2	14	0.5639	16.923	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2021	2	15	0.2364	11.416	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2021	2	16	0.1355	6.105	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2021	2	17	0.1359	6.420	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2021	2	18	0.2049	11.614	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2021	2	19	0.2224	12.605	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2021	2	20	0.2015	13.049	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2021	2	21	0.2497	16.174	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2021	2	22	0.3143	40.933	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2021	2	23	0.3871	76.567	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2021	2	24	11.4988	98.686	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2021	2	25	11.2858	307.313	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2021	2	26	0.6477	63.307	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2021	2	27	0.5071	13.808	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2021	2	28	0.3382	14.873	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2021	3	1	0.1657	4.973	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2021	3	2	0.1246	5.007	8.0600	5.7548	40.1957	18.50	0.101405
1	1	27	2021	3	3	0.1769	7.112	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2021	3	4	0.3699	13.989	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2021	3	5	0.4747	17.951	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2021	3	6	0.4327	16.342	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2021	3	7	0.4895	18.490	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2021	3	8	0.3924	14.319	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2021	3	9	0.4549	16.600	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2021	3	10	0.4508	16.451	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2021	3	11	0.5027	18.345	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2021	3	12	0.5348	19.517	6.8800	4.9123	36.4932	7.07	0.000002

1	1	27	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2021	3	14	0.0496	1.488	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2021	3	15	0.0353	1.702	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2021	3	16	0.3571	16.087	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2021	3	17	0.3385	15.993	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2021	3	18	0.5568	31.562	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2021	3	19	0.6040	34.239	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2021	3	20	0.6131	39.702	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2021	3	21	0.7592	49.163	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2021	3	22	0.8085	105.283	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2021	3	23	1.0117	200.136	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2021	3	24	1.8822	16.153	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2021	3	25	1.2125	33.016	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2021	3	26	2.3346	228.183	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2021	3	27	1.9385	52.786	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2021	3	28	0.0969	4.262	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	28	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	28	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2021	1	1	0.1686	5.060	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2021	1	2	0.1109	4.458	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2021	1	3	0.1517	6.096	8.0600	5.7548	40.1957	18.50	0.337320

1	1	28	2021	1	4	0.2779	10.509	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2021	1	5	0.2979	11.267	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2021	1	6	0.1708	6.451	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2021	1	7	0.1632	6.162	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2021	1	8	0.1458	5.320	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2021	1	9	0.1622	5.918	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2021	1	10	0.1614	5.890	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2021	1	11	0.1739	6.348	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2021	1	12	0.1850	6.752	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2021	1	14	0.0458	1.376	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2021	1	15	0.0492	2.374	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2021	1	16	0.1067	4.807	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2021	1	17	0.1197	5.657	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2021	1	18	0.1446	8.195	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2021	1	19	0.1578	8.947	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2021	1	20	0.1912	12.384	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2021	1	21	0.2363	15.305	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2021	1	22	0.2672	34.790	6.6500	4.7481	130.2221	6.59	0.010278
1	1	28	2021	1	23	0.3000	59.335	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2021	1	24	2.0153	17.296	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2021	1	25	0.2913	7.932	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2021	1	26	0.2317	22.650	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2021	1	27	0.3269	8.901	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2021	1	28	0.1209	5.319	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2021	2	1	9.8311	295.049	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2021	2	2	7.6733	308.431	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2021	2	3	8.1692	328.367	8.0600	5.7548	40.1957	18.50	0.337320
1	1	28	2021	2	4	10.0542	380.216	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2021	2	5	10.3052	389.707	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2021	2	6	5.5116	208.178	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2021	2	7	6.9182	261.306	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2021	2	8	6.7333	245.719	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2021	2	9	7.8645	286.999	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2021	2	10	7.7839	284.060	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2021	2	11	9.2502	337.570	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2021	2	12	9.8513	359.506	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2021	2	14	0.5537	16.618	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2021	2	15	0.2316	11.181	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2021	2	16	0.1314	5.920	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2021	2	17	0.1318	6.226	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2021	2	18	0.1987	11.261	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2021	2	19	0.2156	12.222	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2021	2	20	0.1954	12.653	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2021	2	21	0.2422	15.683	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2021	2	22	0.3048	39.691	6.6500	4.7481	130.2221	6.59	0.010278

1	1	28	2021	2	23	0.3753	74.245	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2021	2	24	11.2268	96.351	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2021	2	25	10.9695	298.701	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2021	2	26	0.6281	61.387	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2021	2	27	0.4917	13.389	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2021	2	28	0.3317	14.586	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2021	3	1	0.1650	4.952	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2021	3	2	0.1240	4.985	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2021	3	3	0.1762	7.084	8.0600	5.7548	40.1957	18.50	0.337320
1	1	28	2021	3	4	0.3688	13.946	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2021	3	5	0.4734	17.903	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2021	3	6	0.4366	16.491	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2021	3	7	0.4940	18.659	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2021	3	8	0.3960	14.450	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2021	3	9	0.4590	16.751	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2021	3	10	0.4549	16.601	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2021	3	11	0.5073	18.512	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2021	3	12	0.5397	19.695	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2021	3	14	0.0495	1.485	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2021	3	15	0.0352	1.699	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2021	3	16	0.3563	16.054	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2021	3	17	0.3378	15.960	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2021	3	18	0.5557	31.496	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2021	3	19	0.6028	34.168	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2021	3	20	0.6118	39.618	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2021	3	21	0.7576	49.059	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2021	3	22	0.8068	105.063	6.6500	4.7481	130.2221	6.59	0.010278
1	1	28	2021	3	23	1.0096	199.721	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2021	3	24	1.8985	16.293	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2021	3	25	1.2236	33.318	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2021	3	26	2.3296	227.692	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2021	3	27	1.9343	52.673	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2021	3	28	0.0967	4.253	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	29	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	29	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	29	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	29	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	29	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	29	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	29	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	29	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	29	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	29	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	29	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	29	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000

1	1	29	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	29	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	29	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	29	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	29	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	29	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	29	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	29	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	29	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	29	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	29	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	29	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2021	1	1	0.1670	5.011	7.2800	5.3799	30.0117	24.10	0.281246
1	1	29	2021	1	2	0.1099	4.416	8.0600	5.7548	40.1957	18.50	0.101405
1	1	29	2021	1	3	0.1506	6.052	8.0600	5.7548	40.1957	18.50	0.337320
1	1	29	2021	1	4	0.2757	10.425	8.0600	5.7548	37.8166	14.20	0.103547
1	1	29	2021	1	5	0.2955	11.175	8.0600	5.7548	37.8166	14.20	0.047578
1	1	29	2021	1	6	0.1650	6.234	6.8800	4.9123	37.7707	10.13	0.027524
1	1	29	2021	1	7	0.1577	5.958	6.8800	4.9123	37.7707	9.39	0.000969
1	1	29	2021	1	8	0.1411	5.148	6.8800	4.9123	36.4932	9.35	0.000281
1	1	29	2021	1	9	0.1567	5.720	6.8800	4.9123	36.4931	8.01	0.000959
1	1	29	2021	1	10	0.1560	5.693	6.8800	4.9123	36.4932	8.14	0.001996
1	1	29	2021	1	11	0.1680	6.131	6.8800	4.9123	36.4932	7.45	0.000819
1	1	29	2021	1	12	0.1786	6.518	6.8800	4.9123	36.4932	7.07	0.000002
1	1	29	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2021	1	14	0.0451	1.352	7.2800	5.1979	30.0117	32.40	0.000028
1	1	29	2021	1	15	0.0482	2.326	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2021	1	16	0.1038	4.677	6.6500	4.7481	45.0549	12.96	0.008198
1	1	29	2021	1	17	0.1165	5.505	6.6500	4.7481	47.2522	11.66	0.002544
1	1	29	2021	1	18	0.1407	7.975	6.6500	4.7481	56.6821	10.20	0.002699
1	1	29	2021	1	19	0.1536	8.706	6.6500	4.7481	56.6821	9.88	0.001293
1	1	29	2021	1	20	0.1861	12.050	6.6500	4.7481	64.7605	8.71	0.006032
1	1	29	2021	1	21	0.2300	14.893	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2021	1	22	0.2600	33.853	6.6500	4.7481	130.2221	6.59	0.010278
1	1	29	2021	1	23	0.2919	57.737	6.6500	4.7481	197.8148	6.30	0.036527
1	1	29	2021	1	24	1.9859	17.043	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2021	1	25	0.2809	7.648	6.8800	4.9123	27.2301	6.45	0.000303
1	1	29	2021	1	26	0.2255	22.040	6.6500	4.7481	97.7390	4.36	0.003655
1	1	29	2021	1	27	0.3181	8.661	6.6500	4.7481	27.2301	6.18	0.007008
1	1	29	2021	1	28	0.1188	5.223	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2021	2	1	9.8399	295.314	7.2800	5.3799	30.0117	24.10	0.281246
1	1	29	2021	2	2	7.6816	308.766	8.0600	5.7548	40.1957	18.50	0.101405
1	1	29	2021	2	3	8.1792	328.768	8.0600	5.7548	40.1957	18.50	0.337320
1	1	29	2021	2	4	10.0676	380.723	8.0600	5.7548	37.8166	14.20	0.103547

1	1	29	2021	2	5	10.3189	390.227	8.0600	5.7548	37.8166	14.20	0.047578
1	1	29	2021	2	6	5.3627	202.551	6.8800	4.9123	37.7707	10.13	0.027524
1	1	29	2021	2	7	6.7312	254.243	6.8800	4.9123	37.7707	9.39	0.000969
1	1	29	2021	2	8	6.5513	239.077	6.8800	4.9123	36.4932	9.35	0.000281
1	1	29	2021	2	9	7.6519	279.242	6.8800	4.9123	36.4931	8.01	0.000959
1	1	29	2021	2	10	7.5735	276.382	6.8800	4.9123	36.4932	8.14	0.001996
1	1	29	2021	2	11	9.0002	328.446	6.8800	4.9123	36.4932	7.45	0.000819
1	1	29	2021	2	12	9.5851	349.790	6.8800	4.9123	36.4932	7.07	0.000002
1	1	29	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2021	2	14	0.5442	16.332	7.2800	5.1979	30.0117	32.40	0.000028
1	1	29	2021	2	15	0.2270	10.961	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2021	2	16	0.1275	5.747	6.6500	4.7481	45.0549	12.96	0.008198
1	1	29	2021	2	17	0.1279	6.043	6.6500	4.7481	47.2522	11.66	0.002544
1	1	29	2021	2	18	0.1928	10.931	6.6500	4.7481	56.6821	10.20	0.002699
1	1	29	2021	2	19	0.2093	11.864	6.6500	4.7481	56.6821	9.88	0.001293
1	1	29	2021	2	20	0.1896	12.282	6.6500	4.7481	64.7605	8.71	0.006032
1	1	29	2021	2	21	0.2351	15.223	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2021	2	22	0.2959	38.527	6.6500	4.7481	130.2221	6.59	0.010278
1	1	29	2021	2	23	0.3643	72.067	6.6500	4.7481	197.8148	6.30	0.036527
1	1	29	2021	2	24	10.9717	94.162	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2021	2	25	10.6730	290.628	6.8800	4.9123	27.2301	6.45	0.000303
1	1	29	2021	2	26	0.6097	59.587	6.6500	4.7481	97.7390	4.36	0.003655
1	1	29	2021	2	27	0.4773	12.997	6.6500	4.7481	27.2301	6.18	0.007008
1	1	29	2021	2	28	0.3256	14.317	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2021	3	1	0.1644	4.933	7.2800	5.3799	30.0117	24.10	0.281246
1	1	29	2021	3	2	0.1235	4.964	8.0600	5.7548	40.1957	18.50	0.101405
1	1	29	2021	3	3	0.1756	7.058	8.0600	5.7548	40.1957	18.50	0.337320
1	1	29	2021	3	4	0.3677	13.905	8.0600	5.7548	37.8166	14.20	0.103547
1	1	29	2021	3	5	0.4722	17.857	8.0600	5.7548	37.8166	14.20	0.047578
1	1	29	2021	3	6	0.4403	16.631	6.8800	4.9123	37.7707	10.13	0.027524
1	1	29	2021	3	7	0.4982	18.817	6.8800	4.9123	37.7707	9.39	0.000969
1	1	29	2021	3	8	0.3993	14.572	6.8800	4.9123	36.4932	9.35	0.000281
1	1	29	2021	3	9	0.4629	16.894	6.8800	4.9123	36.4931	8.01	0.000959
1	1	29	2021	3	10	0.4588	16.742	6.8800	4.9123	36.4932	8.14	0.001996
1	1	29	2021	3	11	0.5116	18.669	6.8800	4.9123	36.4932	7.45	0.000819
1	1	29	2021	3	12	0.5443	19.862	6.8800	4.9123	36.4932	7.07	0.000002
1	1	29	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2021	3	14	0.0494	1.482	7.2800	5.1979	30.0117	32.40	0.000028
1	1	29	2021	3	15	0.0351	1.695	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2021	3	16	0.3556	16.022	6.6500	4.7481	45.0549	12.96	0.008198
1	1	29	2021	3	17	0.3371	15.929	6.6500	4.7481	47.2522	11.66	0.002544
1	1	29	2021	3	18	0.5546	31.435	6.6500	4.7481	56.6821	10.20	0.002699
1	1	29	2021	3	19	0.6016	34.101	6.6500	4.7481	56.6821	9.88	0.001293
1	1	29	2021	3	20	0.6106	39.540	6.6500	4.7481	64.7605	8.71	0.006032
1	1	29	2021	3	21	0.7561	48.962	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2021	3	22	0.8052	104.857	6.6500	4.7481	130.2221	6.59	0.010278
1	1	29	2021	3	23	1.0077	199.332	6.6500	4.7481	197.8148	6.30	0.036527

1	1	29	2021	3	24	1.9138	16.425	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2021	3	25	1.2339	33.600	6.8800	4.9123	27.2301	6.45	0.000303
1	1	29	2021	3	26	2.3249	227.232	6.6500	4.7481	97.7390	4.36	0.003655
1	1	29	2021	3	27	1.9304	52.566	6.6500	4.7481	27.2301	6.18	0.007008
1	1	29	2021	3	28	0.0965	4.245	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	30	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	30	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	30	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	30	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	30	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	30	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	30	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	30	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	30	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	30	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	30	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	30	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	30	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	30	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	30	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	30	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	30	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	30	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	30	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	30	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	30	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	30	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	30	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2021	1	1	0.1654	4.965	7.2800	5.3799	30.0117	24.10	0.281246
1	1	30	2021	1	2	0.1089	4.377	8.0600	5.7548	40.1957	18.50	0.101405
1	1	30	2021	1	3	0.1495	6.011	8.0600	5.7548	40.1957	18.50	0.337320
1	1	30	2021	1	4	0.2736	10.347	8.0600	5.7548	37.8166	14.20	0.103547
1	1	30	2021	1	5	0.2932	11.088	8.0600	5.7548	37.8166	14.20	0.047578
1	1	30	2021	1	6	0.1596	6.030	6.8800	4.9123	37.7707	10.13	0.027524
1	1	30	2021	1	7	0.1526	5.765	6.8800	4.9123	37.7707	9.39	0.000969
1	1	30	2021	1	8	0.1366	4.986	6.8800	4.9123	36.4932	9.35	0.000281
1	1	30	2021	1	9	0.1516	5.534	6.8800	4.9123	36.4931	8.01	0.000959
1	1	30	2021	1	10	0.1509	5.508	6.8800	4.9123	36.4932	8.14	0.001996
1	1	30	2021	1	11	0.1624	5.928	6.8800	4.9123	36.4932	7.45	0.000819
1	1	30	2021	1	12	0.1726	6.299	6.8800	4.9123	36.4932	7.07	0.000002
1	1	30	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2021	1	14	0.0443	1.330	7.2800	5.1979	30.0117	32.40	0.000028

1	1	30	2021	1	15	0.0473	2.282	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2021	1	16	0.1011	4.556	6.6500	4.7481	45.0549	12.96	0.008198
1	1	30	2021	1	17	0.1135	5.362	6.6500	4.7481	47.2522	11.66	0.002544
1	1	30	2021	1	18	0.1370	7.767	6.6500	4.7481	56.6821	10.20	0.002699
1	1	30	2021	1	19	0.1496	8.480	6.6500	4.7481	56.6821	9.88	0.001293
1	1	30	2021	1	20	0.1812	11.737	6.6500	4.7481	64.7605	8.71	0.006032
1	1	30	2021	1	21	0.2240	14.506	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2021	1	22	0.2532	32.973	6.6500	4.7481	130.2221	6.59	0.010278
1	1	30	2021	1	23	0.2843	56.236	6.6500	4.7481	197.8148	6.30	0.036527
1	1	30	2021	1	24	1.9583	16.806	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2021	1	25	0.2711	7.381	6.8800	4.9123	27.2301	6.45	0.000303
1	1	30	2021	1	26	0.2196	21.467	6.6500	4.7481	97.7390	4.36	0.003655
1	1	30	2021	1	27	0.3098	8.436	6.6500	4.7481	27.2301	6.18	0.007008
1	1	30	2021	1	28	0.1167	5.132	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2021	2	1	9.8482	295.563	7.2800	5.3799	30.0117	24.10	0.281246
1	1	30	2021	2	2	7.6894	309.079	8.0600	5.7548	40.1957	18.50	0.101405
1	1	30	2021	2	3	8.1885	329.144	8.0600	5.7548	40.1957	18.50	0.337320
1	1	30	2021	2	4	10.0802	381.200	8.0600	5.7548	37.8166	14.20	0.103547
1	1	30	2021	2	5	10.3318	390.715	8.0600	5.7548	37.8166	14.20	0.047578
1	1	30	2021	2	6	5.2227	197.266	6.8800	4.9123	37.7707	10.13	0.027524
1	1	30	2021	2	7	6.5556	247.609	6.8800	4.9123	37.7707	9.39	0.000969
1	1	30	2021	2	8	6.3803	232.839	6.8800	4.9123	36.4932	9.35	0.000281
1	1	30	2021	2	9	7.4522	271.956	6.8800	4.9123	36.4931	8.01	0.000959
1	1	30	2021	2	10	7.3759	269.170	6.8800	4.9123	36.4932	8.14	0.001996
1	1	30	2021	2	11	8.7654	319.875	6.8800	4.9123	36.4932	7.45	0.000819
1	1	30	2021	2	12	9.3349	340.662	6.8800	4.9123	36.4932	7.07	0.000002
1	1	30	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2021	2	14	0.5353	16.064	7.2800	5.1979	30.0117	32.40	0.000028
1	1	30	2021	2	15	0.2227	10.754	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2021	2	16	0.1239	5.583	6.6500	4.7481	45.0549	12.96	0.008198
1	1	30	2021	2	17	0.1243	5.871	6.6500	4.7481	47.2522	11.66	0.002544
1	1	30	2021	2	18	0.1874	10.621	6.6500	4.7481	56.6821	10.20	0.002699
1	1	30	2021	2	19	0.2034	11.527	6.6500	4.7481	56.6821	9.88	0.001293
1	1	30	2021	2	20	0.1843	11.933	6.6500	4.7481	64.7605	8.71	0.006032
1	1	30	2021	2	21	0.2284	14.791	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2021	2	22	0.2875	37.434	6.6500	4.7481	130.2221	6.59	0.010278
1	1	30	2021	2	23	0.3540	70.022	6.6500	4.7481	197.8148	6.30	0.036527
1	1	30	2021	2	24	10.7321	92.105	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2021	2	25	10.3945	283.044	6.8800	4.9123	27.2301	6.45	0.000303
1	1	30	2021	2	26	0.5923	57.896	6.6500	4.7481	97.7390	4.36	0.003655
1	1	30	2021	2	27	0.4637	12.628	6.6500	4.7481	27.2301	6.18	0.007008
1	1	30	2021	2	28	0.3198	14.064	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2021	3	1	0.1638	4.915	7.2800	5.3799	30.0117	24.10	0.281246
1	1	30	2021	3	2	0.1230	4.944	8.0600	5.7548	40.1957	18.50	0.101405
1	1	30	2021	3	3	0.1750	7.033	8.0600	5.7548	40.1957	18.50	0.337320
1	1	30	2021	3	4	0.3667	13.867	8.0600	5.7548	37.8166	14.20	0.103547
1	1	30	2021	3	5	0.4711	17.815	8.0600	5.7548	37.8166	14.20	0.047578

1	1	30	2021	3	6	0.4438	16.762	6.8800	4.9123	37.7707	10.13	0.027524
1	1	30	2021	3	7	0.5021	18.966	6.8800	4.9123	37.7707	9.39	0.000969
1	1	30	2021	3	8	0.4025	14.687	6.8800	4.9123	36.4932	9.35	0.000281
1	1	30	2021	3	9	0.4666	17.027	6.8800	4.9123	36.4931	8.01	0.000959
1	1	30	2021	3	10	0.4624	16.874	6.8800	4.9123	36.4932	8.14	0.001996
1	1	30	2021	3	11	0.5156	18.817	6.8800	4.9123	36.4932	7.45	0.000819
1	1	30	2021	3	12	0.5486	20.019	6.8800	4.9123	36.4932	7.07	0.000002
1	1	30	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2021	3	14	0.0493	1.480	7.2800	5.1979	30.0117	32.40	0.000028
1	1	30	2021	3	15	0.0351	1.692	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2021	3	16	0.3550	15.993	6.6500	4.7481	45.0549	12.96	0.008198
1	1	30	2021	3	17	0.3365	15.900	6.6500	4.7481	47.2522	11.66	0.002544
1	1	30	2021	3	18	0.5536	31.377	6.6500	4.7481	56.6821	10.20	0.002699
1	1	30	2021	3	19	0.6005	34.038	6.6500	4.7481	56.6821	9.88	0.001293
1	1	30	2021	3	20	0.6094	39.466	6.6500	4.7481	64.7605	8.71	0.006032
1	1	30	2021	3	21	0.7546	48.871	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2021	3	22	0.8037	104.664	6.6500	4.7481	130.2221	6.59	0.010278
1	1	30	2021	3	23	1.0058	198.966	6.6500	4.7481	197.8148	6.30	0.036527
1	1	30	2021	3	24	1.9282	16.548	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2021	3	25	1.2437	33.866	6.8800	4.9123	27.2301	6.45	0.000303
1	1	30	2021	3	26	2.3205	226.799	6.6500	4.7481	97.7390	4.36	0.003655
1	1	30	2021	3	27	1.9268	52.466	6.6500	4.7481	27.2301	6.18	0.007008
1	1	30	2021	3	28	0.0964	4.238	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374

1	1	31	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2021	1	1	0.1640	4.922	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2021	1	2	0.1080	4.340	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2021	1	3	0.1486	5.972	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2021	1	4	0.2716	10.272	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2021	1	5	0.2910	11.006	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2021	1	6	0.1546	5.838	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2021	1	7	0.1478	5.584	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2021	1	8	0.1325	4.834	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2021	1	9	0.1468	5.359	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2021	1	10	0.1462	5.334	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2021	1	11	0.1572	5.737	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2021	1	12	0.1669	6.092	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2021	1	14	0.0436	1.309	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2021	1	15	0.0464	2.239	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2021	1	16	0.0986	4.441	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2021	1	17	0.1106	5.227	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2021	1	18	0.1336	7.572	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2021	1	19	0.1458	8.267	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2021	1	20	0.1767	11.442	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2021	1	21	0.2184	14.141	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2021	1	22	0.2468	32.145	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2021	1	23	0.2771	54.823	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2021	1	24	1.9323	16.583	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2021	1	25	0.2618	7.129	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2021	1	26	0.2141	20.927	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2021	1	27	0.3020	8.224	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2021	1	28	0.1148	5.048	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2021	2	1	9.8560	295.797	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2021	2	2	7.6967	309.375	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2021	2	3	8.1973	329.498	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2021	2	4	10.0921	381.649	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2021	2	5	10.3440	391.175	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2021	2	6	5.0910	192.291	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2021	2	7	6.3903	241.364	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2021	2	8	6.2194	226.967	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2021	2	9	7.2643	265.097	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2021	2	10	7.1899	262.382	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2021	2	11	8.5443	311.809	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2021	2	12	9.0995	332.071	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2021	2	14	0.5268	15.811	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2021	2	15	0.2187	10.559	8.0600	5.7548	48.2848	22.10	0.004518

1	1	31	2021	2	16	0.1205	5.430	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2021	2	17	0.1208	5.710	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2021	2	18	0.1822	10.329	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2021	2	19	0.1978	11.210	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2021	2	20	0.1792	11.605	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2021	2	21	0.2221	14.384	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2021	2	22	0.2796	36.404	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2021	2	23	0.3442	68.097	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2021	2	24	10.5066	90.170	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2021	2	25	10.1324	275.906	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2021	2	26	0.5761	56.304	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2021	2	27	0.4510	12.281	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2021	2	28	0.3144	13.826	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2021	3	1	0.1632	4.898	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2021	3	2	0.1225	4.925	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2021	3	3	0.1744	7.010	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2021	3	4	0.3657	13.831	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2021	3	5	0.4700	17.775	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2021	3	6	0.4471	16.886	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2021	3	7	0.5058	19.105	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2021	3	8	0.4054	14.796	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2021	3	9	0.4700	17.153	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2021	3	10	0.4658	16.999	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2021	3	11	0.5194	18.956	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2021	3	12	0.5526	20.167	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2021	3	14	0.0492	1.477	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2021	3	15	0.0350	1.690	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2021	3	16	0.3544	15.965	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2021	3	17	0.3359	15.872	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2021	3	18	0.5526	31.323	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2021	3	19	0.5995	33.979	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2021	3	20	0.6084	39.397	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2021	3	21	0.7533	48.785	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2021	3	22	0.8023	104.482	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2021	3	23	1.0041	198.622	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2021	3	24	1.9417	16.665	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2021	3	25	1.2529	34.116	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2021	3	26	2.3163	226.392	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2021	3	27	1.9233	52.372	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2021	3	28	0.0962	4.231	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524

1	1	32	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	32	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	32	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2021	1	1	0.1626	4.881	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2021	1	2	0.1071	4.305	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2021	1	3	0.1477	5.936	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2021	1	4	0.2698	10.202	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2021	1	5	0.2890	10.929	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2021	1	6	0.1498	5.657	6.8800	4.9123	37.7707	10.13	0.027524
1	1	32	2021	1	7	0.1433	5.413	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2021	1	8	0.1285	4.690	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2021	1	9	0.1423	5.194	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2021	1	10	0.1417	5.170	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2021	1	11	0.1523	5.557	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2021	1	12	0.1616	5.897	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2021	1	14	0.0430	1.290	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2021	1	15	0.0456	2.199	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2021	1	16	0.0962	4.333	6.6500	4.7481	45.0549	12.96	0.008198
1	1	32	2021	1	17	0.1079	5.100	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2021	1	18	0.1303	7.388	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2021	1	19	0.1423	8.066	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2021	1	20	0.1724	11.164	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2021	1	21	0.2131	13.798	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2021	1	22	0.2408	31.364	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2021	1	23	0.2704	53.491	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2021	1	24	1.9078	16.373	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2021	1	25	0.2531	6.892	6.8800	4.9123	27.2301	6.45	0.000303

1	1	32	2021	1	26	0.2089	20.419	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2021	1	27	0.2947	8.024	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2021	1	28	0.1130	4.968	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2021	2	1	9.8634	296.018	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2021	2	2	7.7036	309.653	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2021	2	3	8.2056	329.831	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2021	2	4	10.1033	382.072	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2021	2	5	10.3554	391.608	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2021	2	6	4.9668	187.601	6.8800	4.9123	37.7707	10.13	0.027524
1	1	32	2021	2	7	6.2344	235.477	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2021	2	8	6.0677	221.431	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2021	2	9	7.0871	258.631	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2021	2	10	7.0145	255.982	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2021	2	11	8.3359	304.203	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2021	2	12	8.8776	323.971	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2021	2	14	0.5189	15.573	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2021	2	15	0.2149	10.375	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2021	2	16	0.1173	5.285	6.6500	4.7481	45.0549	12.96	0.008198
1	1	32	2021	2	17	0.1176	5.558	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2021	2	18	0.1774	10.054	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2021	2	19	0.1925	10.912	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2021	2	20	0.1744	11.296	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2021	2	21	0.2162	14.001	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2021	2	22	0.2721	35.434	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2021	2	23	0.3351	66.282	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2021	2	24	10.2940	88.345	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2021	2	25	9.8852	269.176	6.8800	4.9123	27.2301	6.45	0.000303
1	1	32	2021	2	26	0.5607	54.803	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2021	2	27	0.4390	11.953	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2021	2	28	0.3093	13.602	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2021	3	1	0.1627	4.883	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2021	3	2	0.1221	4.908	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2021	3	3	0.1739	6.988	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2021	3	4	0.3649	13.798	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2021	3	5	0.4690	17.737	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2021	3	6	0.4502	17.003	6.8800	4.9123	37.7707	10.13	0.027524
1	1	32	2021	3	7	0.5093	19.237	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2021	3	8	0.4082	14.898	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2021	3	9	0.4733	17.271	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2021	3	10	0.4690	17.116	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2021	3	11	0.5230	19.087	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2021	3	12	0.5564	20.306	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2021	3	14	0.0492	1.475	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2021	3	15	0.0349	1.687	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2021	3	16	0.3538	15.939	6.6500	4.7481	45.0549	12.96	0.008198

1	1	32	2021	3	17	0.3353	15.846	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2021	3	18	0.5517	31.271	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2021	3	19	0.5985	33.924	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2021	3	20	0.6073	39.332	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2021	3	21	0.7521	48.704	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2021	3	22	0.8010	104.311	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2021	3	23	1.0024	198.298	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2021	3	24	1.9545	16.774	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2021	3	25	1.2615	34.351	6.8800	4.9123	27.2301	6.45	0.000303
1	1	32	2021	3	26	2.3124	226.008	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2021	3	27	1.9201	52.284	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2021	3	28	0.0961	4.225	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	33	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	33	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2021	1	1	0.1618	4.856	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2021	1	2	0.1067	4.287	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2021	1	3	0.1475	5.929	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2021	1	4	0.2691	10.175	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2021	1	5	0.2881	10.893	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2021	1	6	0.1456	5.501	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2021	1	7	0.1394	5.267	6.8800	4.9123	37.7707	9.39	0.000969

1	1	33	2021	1	8	0.1251	4.567	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2021	1	9	0.1385	5.053	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2021	1	10	0.1378	5.030	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2021	1	11	0.1480	5.402	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2021	1	12	0.1570	5.731	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2021	1	14	0.0424	1.271	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2021	1	15	0.0448	2.162	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2021	1	16	0.0940	4.233	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2021	1	17	0.1054	4.982	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2021	1	18	0.1273	7.217	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2021	1	19	0.1390	7.879	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2021	1	20	0.1684	10.906	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2021	1	21	0.2081	13.478	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2021	1	22	0.2353	30.638	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2021	1	23	0.2642	52.253	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2021	1	24	1.8861	16.187	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2021	1	25	0.2457	6.689	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2021	1	26	0.2041	19.946	6.6500	4.7481	97.7390	4.36	0.003655
1	1	33	2021	1	27	0.2879	7.839	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2021	1	28	0.1113	4.893	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2021	2	1	9.9213	297.756	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2021	2	2	7.7583	311.849	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2021	2	3	8.2642	332.187	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2021	2	4	10.1800	384.974	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2021	2	5	10.4334	394.557	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2021	2	6	4.8845	184.492	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2021	2	7	6.1311	231.575	6.8800	4.9123	37.7707	9.39	0.000969
1	1	33	2021	2	8	5.9672	217.761	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2021	2	9	6.9697	254.345	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2021	2	10	6.8983	251.740	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2021	2	11	8.1978	299.162	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2021	2	12	8.7305	318.602	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2021	2	14	0.5128	15.391	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2021	2	15	0.2120	10.235	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2021	2	16	0.1149	5.175	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2021	2	17	0.1152	5.442	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2021	2	18	0.1737	9.843	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2021	2	19	0.1885	10.684	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2021	2	20	0.1708	11.060	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2021	2	21	0.2117	13.708	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2021	2	22	0.2664	34.694	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2021	2	23	0.3281	64.897	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2021	2	24	10.1080	86.749	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2021	2	25	9.7214	264.716	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2021	2	26	0.5490	53.658	6.6500	4.7481	97.7390	4.36	0.003655

1	1	33	2021	2	27	0.4298	11.704	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2021	2	28	0.3054	13.431	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2021	3	1	0.1635	4.906	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2021	3	2	0.1228	4.934	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2021	3	3	0.1747	7.020	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2021	3	4	0.3660	13.841	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2021	3	5	0.4700	17.774	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2021	3	6	0.4540	17.149	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2021	3	7	0.5137	19.404	6.8800	4.9123	37.7707	9.39	0.000969
1	1	33	2021	3	8	0.4118	15.026	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2021	3	9	0.4774	17.420	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2021	3	10	0.4731	17.264	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2021	3	11	0.5275	19.251	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2021	3	12	0.5612	20.481	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2021	3	14	0.0494	1.483	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2021	3	15	0.0351	1.697	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2021	3	16	0.3559	16.033	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2021	3	17	0.3373	15.940	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2021	3	18	0.5550	31.456	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2021	3	19	0.6020	34.124	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2021	3	20	0.6110	39.567	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2021	3	21	0.7566	48.996	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2021	3	22	0.8058	104.929	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2021	3	23	1.0084	199.467	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2021	3	24	1.9653	16.867	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2021	3	25	1.2724	34.648	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2021	3	26	2.3265	227.392	6.6500	4.7481	97.7390	4.36	0.003655
1	1	33	2021	3	27	1.9318	52.603	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2021	3	28	0.0966	4.248	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	34	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544

1	1	34	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	34	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2021	1	1	0.1610	4.833	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2021	1	2	0.1062	4.270	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2021	1	3	0.1474	5.923	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2021	1	4	0.2684	10.149	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2021	1	5	0.2872	10.859	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2021	1	6	0.1418	5.354	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2021	1	7	0.1358	5.128	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2021	1	8	0.1219	4.450	6.8800	4.9123	36.4932	9.35	0.000281
1	1	34	2021	1	9	0.1348	4.919	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2021	1	10	0.1342	4.897	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2021	1	11	0.1440	5.257	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2021	1	12	0.1527	5.574	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2021	1	14	0.0418	1.254	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2021	1	15	0.0441	2.127	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2021	1	16	0.0918	4.138	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2021	1	17	0.1031	4.870	6.6500	4.7481	47.2522	11.66	0.002544
1	1	34	2021	1	18	0.1245	7.055	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2021	1	19	0.1359	7.703	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2021	1	20	0.1646	10.661	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2021	1	21	0.2035	13.176	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2021	1	22	0.2300	29.951	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2021	1	23	0.2582	51.082	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2021	1	24	1.8656	16.011	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2021	1	25	0.2386	6.497	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2021	1	26	0.1995	19.499	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2021	1	27	0.2814	7.663	6.6500	4.7481	27.2301	6.18	0.007008
1	1	34	2021	1	28	0.1097	4.823	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2021	2	1	9.9761	299.400	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2021	2	2	7.8099	313.925	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2021	2	3	8.3197	334.415	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2021	2	4	10.2526	387.718	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2021	2	5	10.5072	397.348	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2021	2	6	4.8067	181.551	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2021	2	7	6.0333	227.883	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2021	2	8	5.8721	214.290	6.8800	4.9123	36.4932	9.35	0.000281

1	1	34	2021	2	9	6.8586	250.291	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2021	2	10	6.7883	247.727	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2021	2	11	8.0671	294.393	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2021	2	12	8.5913	313.524	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2021	2	14	0.5071	15.219	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2021	2	15	0.2092	10.102	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2021	2	16	0.1125	5.070	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2021	2	17	0.1128	5.332	6.6500	4.7481	47.2522	11.66	0.002544
1	1	34	2021	2	18	0.1702	9.645	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2021	2	19	0.1847	10.468	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2021	2	20	0.1673	10.837	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2021	2	21	0.2074	13.432	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2021	2	22	0.2610	33.993	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2021	2	23	0.3214	63.587	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2021	2	24	9.9321	85.240	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2021	2	25	9.5665	260.496	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2021	2	26	0.5379	52.575	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2021	2	27	0.4211	11.467	6.6500	4.7481	27.2301	6.18	0.007008
1	1	34	2021	2	28	0.3017	13.269	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2021	3	1	0.1642	4.929	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2021	3	2	0.1234	4.960	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2021	3	3	0.1754	7.050	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2021	3	4	0.3671	13.883	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2021	3	5	0.4709	17.808	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2021	3	6	0.4577	17.288	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2021	3	7	0.5179	19.561	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2021	3	8	0.4151	15.148	6.8800	4.9123	36.4932	9.35	0.000281
1	1	34	2021	3	9	0.4812	17.561	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2021	3	10	0.4769	17.404	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2021	3	11	0.5318	19.407	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2021	3	12	0.5658	20.647	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2021	3	14	0.0497	1.491	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2021	3	15	0.0353	1.706	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2021	3	16	0.3578	16.122	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2021	3	17	0.3392	16.028	6.6500	4.7481	47.2522	11.66	0.002544
1	1	34	2021	3	18	0.5580	31.631	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2021	3	19	0.6054	34.314	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2021	3	20	0.6144	39.790	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2021	3	21	0.7608	49.272	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2021	3	22	0.8103	105.514	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2021	3	23	1.0139	200.572	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2021	3	24	1.9756	16.955	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2021	3	25	1.2827	34.929	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2021	3	26	2.3399	228.700	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2021	3	27	1.9429	52.905	6.6500	4.7481	27.2301	6.18	0.007008

1	1	34	2021	3	28	0.0971	4.271	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	35	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	35	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2021	1	1	0.1603	4.811	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2021	1	2	0.1058	4.254	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2021	1	3	0.1472	5.917	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2021	1	4	0.2677	10.124	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2021	1	5	0.2863	10.827	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2021	1	6	0.1381	5.215	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2021	1	7	0.1323	4.996	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2021	1	8	0.1189	4.339	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2021	1	9	0.1313	4.792	6.8800	4.9123	36.4931	8.01	0.000959
1	1	35	2021	1	10	0.1307	4.771	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2021	1	11	0.1403	5.118	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2021	1	12	0.1487	5.425	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2021	1	14	0.0412	1.238	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2021	1	15	0.0434	2.094	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2021	1	16	0.0899	4.048	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2021	1	17	0.1008	4.764	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2021	1	18	0.1218	6.902	6.6500	4.7481	56.6821	10.20	0.002699

1	1	35	2021	1	19	0.1329	7.535	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2021	1	20	0.1611	10.430	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2021	1	21	0.1990	12.890	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2021	1	22	0.2250	29.300	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2021	1	23	0.2526	49.972	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2021	1	24	1.8462	15.845	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2021	1	25	0.2319	6.316	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2021	1	26	0.1952	19.076	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2021	1	27	0.2753	7.496	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2021	1	28	0.1082	4.756	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2021	2	1	10.0280	300.957	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2021	2	2	7.8589	315.893	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2021	2	3	8.3722	336.526	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2021	2	4	10.3213	390.318	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2021	2	5	10.5771	399.991	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2021	2	6	4.7329	178.765	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2021	2	7	5.9408	224.386	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2021	2	8	5.7819	211.001	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2021	2	9	6.7533	246.450	6.8800	4.9123	36.4931	8.01	0.000959
1	1	35	2021	2	10	6.6841	243.925	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2021	2	11	7.9433	289.875	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2021	2	12	8.4595	308.712	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2021	2	14	0.5017	15.056	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2021	2	15	0.2066	9.976	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2021	2	16	0.1103	4.971	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2021	2	17	0.1106	5.228	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2021	2	18	0.1668	9.456	6.6500	4.7481	56.6821	10.20	0.002699
1	1	35	2021	2	19	0.1811	10.264	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2021	2	20	0.1641	10.625	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2021	2	21	0.2034	13.169	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2021	2	22	0.2559	33.330	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2021	2	23	0.3152	62.345	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2021	2	24	9.7654	83.809	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2021	2	25	9.4197	256.498	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2021	2	26	0.5274	51.549	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2021	2	27	0.4129	11.244	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2021	2	28	0.2983	13.116	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2021	3	1	0.1650	4.951	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2021	3	2	0.1240	4.983	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2021	3	3	0.1761	7.079	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2021	3	4	0.3682	13.922	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2021	3	5	0.4718	17.840	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2021	3	6	0.4612	17.420	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2021	3	7	0.5218	19.710	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2021	3	8	0.4183	15.264	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2021	3	9	0.4849	17.695	6.8800	4.9123	36.4931	8.01	0.000959

1	1	35	2021	3	10	0.4805	17.536	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2021	3	11	0.5359	19.555	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2021	3	12	0.5701	20.805	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2021	3	14	0.0499	1.499	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2021	3	15	0.0355	1.714	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2021	3	16	0.3597	16.207	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2021	3	17	0.3410	16.112	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2021	3	18	0.5610	31.797	6.6500	4.7481	56.6821	10.20	0.002699
1	1	35	2021	3	19	0.6085	34.493	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2021	3	20	0.6177	40.001	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2021	3	21	0.7649	49.533	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2021	3	22	0.8145	106.068	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2021	3	23	1.0192	201.620	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2021	3	24	1.9853	17.038	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2021	3	25	1.2925	35.195	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2021	3	26	2.3526	229.940	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2021	3	27	1.9534	53.192	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2021	3	28	0.0976	4.292	8.0600	5.7548	43.9743	17.00	0.002242
1	1	36	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	36	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	36	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	36	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	36	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	36	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	36	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	36	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	36	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	36	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	36	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	36	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	36	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	36	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	36	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	36	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	36	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	36	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	36	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	36	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	36	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	36	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	36	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	36	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242

1	1	36	2021	1	1	0.1596	4.790	7.2800	5.3799	30.0117	24.10	0.281246
1	1	36	2021	1	2	0.1055	4.239	8.0600	5.7548	40.1957	18.50	0.101405
1	1	36	2021	1	3	0.1471	5.912	8.0600	5.7548	40.1957	18.50	0.337320
1	1	36	2021	1	4	0.2671	10.100	8.0600	5.7548	37.8166	14.20	0.103547
1	1	36	2021	1	5	0.2855	10.797	8.0600	5.7548	37.8166	14.20	0.047578
1	1	36	2021	1	6	0.1346	5.083	6.8800	4.9123	37.7707	10.13	0.027524
1	1	36	2021	1	7	0.1290	4.871	6.8800	4.9123	37.7707	9.39	0.000969
1	1	36	2021	1	8	0.1160	4.234	6.8800	4.9123	36.4932	9.35	0.000281
1	1	36	2021	1	9	0.1280	4.672	6.8800	4.9123	36.4931	8.01	0.000959
1	1	36	2021	1	10	0.1275	4.652	6.8800	4.9123	36.4932	8.14	0.001996
1	1	36	2021	1	11	0.1367	4.987	6.8800	4.9123	36.4932	7.45	0.000819
1	1	36	2021	1	12	0.1448	5.283	6.8800	4.9123	36.4932	7.07	0.000002
1	1	36	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2021	1	14	0.0407	1.222	7.2800	5.1979	30.0117	32.40	0.000028
1	1	36	2021	1	15	0.0427	2.063	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2021	1	16	0.0880	3.963	6.6500	4.7481	45.0549	12.96	0.008198
1	1	36	2021	1	17	0.0987	4.664	6.6500	4.7481	47.2522	11.66	0.002544
1	1	36	2021	1	18	0.1192	6.757	6.6500	4.7481	56.6821	10.20	0.002699
1	1	36	2021	1	19	0.1301	7.377	6.6500	4.7481	56.6821	9.88	0.001293
1	1	36	2021	1	20	0.1577	10.210	6.6500	4.7481	64.7605	8.71	0.006032
1	1	36	2021	1	21	0.1948	12.618	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2021	1	22	0.2203	28.683	6.6500	4.7481	130.2221	6.59	0.010278
1	1	36	2021	1	23	0.2473	48.919	6.6500	4.7481	197.8148	6.30	0.036527
1	1	36	2021	1	24	1.8278	15.687	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2021	1	25	0.2256	6.143	6.8800	4.9123	27.2301	6.45	0.000303
1	1	36	2021	1	26	0.1911	18.674	6.6500	4.7481	97.7390	4.36	0.003655
1	1	36	2021	1	27	0.2695	7.338	6.6500	4.7481	27.2301	6.18	0.007008
1	1	36	2021	1	28	0.1067	4.693	8.0600	5.7548	43.9743	17.00	0.002242
1	1	36	2021	2	1	10.0772	302.435	7.2800	5.3799	30.0117	24.10	0.281246
1	1	36	2021	2	2	7.9053	317.759	8.0600	5.7548	40.1957	18.50	0.101405
1	1	36	2021	2	3	8.4220	338.529	8.0600	5.7548	40.1957	18.50	0.337320
1	1	36	2021	2	4	10.3866	392.785	8.0600	5.7548	37.8166	14.20	0.103547
1	1	36	2021	2	5	10.6434	402.499	8.0600	5.7548	37.8166	14.20	0.047578
1	1	36	2021	2	6	4.6629	176.122	6.8800	4.9123	37.7707	10.13	0.027524
1	1	36	2021	2	7	5.8529	221.069	6.8800	4.9123	37.7707	9.39	0.000969
1	1	36	2021	2	8	5.6965	207.882	6.8800	4.9123	36.4932	9.35	0.000281
1	1	36	2021	2	9	6.6535	242.806	6.8800	4.9123	36.4931	8.01	0.000959
1	1	36	2021	2	10	6.5853	240.319	6.8800	4.9123	36.4932	8.14	0.001996
1	1	36	2021	2	11	7.8258	285.589	6.8800	4.9123	36.4932	7.45	0.000819
1	1	36	2021	2	12	8.3344	304.148	6.8800	4.9123	36.4932	7.07	0.000002
1	1	36	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2021	2	14	0.4965	14.902	7.2800	5.1979	30.0117	32.40	0.000028
1	1	36	2021	2	15	0.2041	9.857	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2021	2	16	0.1083	4.877	6.6500	4.7481	45.0549	12.96	0.008198
1	1	36	2021	2	17	0.1085	5.129	6.6500	4.7481	47.2522	11.66	0.002544
1	1	36	2021	2	18	0.1637	9.278	6.6500	4.7481	56.6821	10.20	0.002699
1	1	36	2021	2	19	0.1777	10.070	6.6500	4.7481	56.6821	9.88	0.001293

1	1	36	2021	2	20	0.1610	10.424	6.6500	4.7481	64.7605	8.71	0.006032
1	1	36	2021	2	21	0.1995	12.921	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2021	2	22	0.2511	32.700	6.6500	4.7481	130.2221	6.59	0.010278
1	1	36	2021	2	23	0.3092	61.168	6.6500	4.7481	197.8148	6.30	0.036527
1	1	36	2021	2	24	9.6073	82.452	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2021	2	25	9.2804	252.706	6.8800	4.9123	27.2301	6.45	0.000303
1	1	36	2021	2	26	0.5174	50.575	6.6500	4.7481	97.7390	4.36	0.003655
1	1	36	2021	2	27	0.4051	11.031	6.6500	4.7481	27.2301	6.18	0.007008
1	1	36	2021	2	28	0.2950	12.970	8.0600	5.7548	43.9743	17.00	0.002242
1	1	36	2021	3	1	0.1656	4.971	7.2800	5.3799	30.0117	24.10	0.281246
1	1	36	2021	3	2	0.1245	5.006	8.0600	5.7548	40.1957	18.50	0.101405
1	1	36	2021	3	3	0.1768	7.106	8.0600	5.7548	40.1957	18.50	0.337320
1	1	36	2021	3	4	0.3691	13.960	8.0600	5.7548	37.8166	14.20	0.103547
1	1	36	2021	3	5	0.4726	17.871	8.0600	5.7548	37.8166	14.20	0.047578
1	1	36	2021	3	6	0.4645	17.545	6.8800	4.9123	37.7707	10.13	0.027524
1	1	36	2021	3	7	0.5256	19.851	6.8800	4.9123	37.7707	9.39	0.000969
1	1	36	2021	3	8	0.4213	15.373	6.8800	4.9123	36.4932	9.35	0.000281
1	1	36	2021	3	9	0.4884	17.822	6.8800	4.9123	36.4931	8.01	0.000959
1	1	36	2021	3	10	0.4840	17.662	6.8800	4.9123	36.4932	8.14	0.001996
1	1	36	2021	3	11	0.5397	19.695	6.8800	4.9123	36.4932	7.45	0.000819
1	1	36	2021	3	12	0.5742	20.954	6.8800	4.9123	36.4932	7.07	0.000002
1	1	36	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2021	3	14	0.0502	1.505	7.2800	5.1979	30.0117	32.40	0.000028
1	1	36	2021	3	15	0.0357	1.723	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2021	3	16	0.3615	16.287	6.6500	4.7481	45.0549	12.96	0.008198
1	1	36	2021	3	17	0.3427	16.192	6.6500	4.7481	47.2522	11.66	0.002544
1	1	36	2021	3	18	0.5637	31.954	6.6500	4.7481	56.6821	10.20	0.002699
1	1	36	2021	3	19	0.6115	34.664	6.6500	4.7481	56.6821	9.88	0.001293
1	1	36	2021	3	20	0.6208	40.201	6.6500	4.7481	64.7605	8.71	0.006032
1	1	36	2021	3	21	0.7687	49.781	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2021	3	22	0.8185	106.593	6.6500	4.7481	130.2221	6.59	0.010278
1	1	36	2021	3	23	1.0243	202.614	6.6500	4.7481	197.8148	6.30	0.036527
1	1	36	2021	3	24	1.9945	17.117	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2021	3	25	1.3018	35.447	6.8800	4.9123	27.2301	6.45	0.000303
1	1	36	2021	3	26	2.3646	231.116	6.6500	4.7481	97.7390	4.36	0.003655
1	1	36	2021	3	27	1.9634	53.463	6.6500	4.7481	27.2301	6.18	0.007008
1	1	36	2021	3	28	0.0981	4.312	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	37	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996

1	1	37	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	37	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2021	1	1	0.1589	4.770	7.2800	5.3799	30.0117	24.10	0.281246
1	1	37	2021	1	2	0.1051	4.225	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2021	1	3	0.1469	5.907	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2021	1	4	0.2665	10.078	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2021	1	5	0.2847	10.768	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2021	1	6	0.1312	4.957	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2021	1	7	0.1258	4.753	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2021	1	8	0.1133	4.135	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2021	1	9	0.1249	4.558	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2021	1	10	0.1244	4.538	6.8800	4.9123	36.4932	8.14	0.001996
1	1	37	2021	1	11	0.1333	4.863	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2021	1	12	0.1411	5.149	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2021	1	14	0.0402	1.207	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2021	1	15	0.0421	2.033	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2021	1	16	0.0862	3.882	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2021	1	17	0.0967	4.569	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2021	1	18	0.1168	6.619	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2021	1	19	0.1275	7.226	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2021	1	20	0.1544	10.001	6.6500	4.7481	64.7605	8.71	0.006032
1	1	37	2021	1	21	0.1909	12.360	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2021	1	22	0.2158	28.097	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2021	1	23	0.2422	47.919	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2021	1	24	1.8103	15.537	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2021	1	25	0.2196	5.979	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2021	1	26	0.1872	18.292	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2021	1	27	0.2640	7.188	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2021	1	28	0.1054	4.633	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2021	2	1	10.1240	303.839	7.2800	5.3799	30.0117	24.10	0.281246

1	1	37	2021	2	2	7.9494	319.533	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2021	2	3	8.4694	340.431	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2021	2	4	10.4485	395.129	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2021	2	5	10.7064	404.881	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2021	2	6	4.5964	173.611	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2021	2	7	5.7695	217.917	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2021	2	8	5.6152	204.918	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2021	2	9	6.5586	239.344	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2021	2	10	6.4914	236.892	6.8800	4.9123	36.4932	8.14	0.001996
1	1	37	2021	2	11	7.7143	281.518	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2021	2	12	8.2156	299.811	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2021	2	14	0.4916	14.755	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2021	2	15	0.2018	9.744	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2021	2	16	0.1063	4.788	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2021	2	17	0.1066	5.035	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2021	2	18	0.1607	9.108	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2021	2	19	0.1744	9.886	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2021	2	20	0.1580	10.234	6.6500	4.7481	64.7605	8.71	0.006032
1	1	37	2021	2	21	0.1959	12.684	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2021	2	22	0.2465	32.102	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2021	2	23	0.3036	60.049	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2021	2	24	9.4571	81.163	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2021	2	25	9.1481	249.103	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2021	2	26	0.5080	49.650	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2021	2	27	0.3977	10.829	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2021	2	28	0.2918	12.832	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2021	3	1	0.1663	4.990	7.2800	5.3799	30.0117	24.10	0.281246
1	1	37	2021	3	2	0.1251	5.027	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2021	3	3	0.1774	7.132	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2021	3	4	0.3701	13.995	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2021	3	5	0.4734	17.901	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2021	3	6	0.4676	17.663	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2021	3	7	0.5291	19.985	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2021	3	8	0.4241	15.477	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2021	3	9	0.4917	17.942	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2021	3	10	0.4873	17.781	6.8800	4.9123	36.4932	8.14	0.001996
1	1	37	2021	3	11	0.5433	19.828	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2021	3	12	0.5781	21.095	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2021	3	14	0.0504	1.512	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2021	3	15	0.0358	1.730	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2021	3	16	0.3632	16.363	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2021	3	17	0.3443	16.267	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2021	3	18	0.5664	32.103	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2021	3	19	0.6144	34.826	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2021	3	20	0.6237	40.392	6.6500	4.7481	64.7605	8.71	0.006032

1	1	37	2021	3	21	0.7723	50.017	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2021	3	22	0.8224	107.093	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2021	3	23	1.0290	203.558	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2021	3	24	2.0032	17.192	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2021	3	25	1.3106	35.687	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2021	3	26	2.3761	232.233	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2021	3	27	1.9729	53.721	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2021	3	28	0.0985	4.331	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	38	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	38	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	38	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	38	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	38	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	38	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	38	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	38	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	38	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	38	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	38	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	38	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	38	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	38	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	38	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	38	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	38	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	38	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	38	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	38	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	38	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	38	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	38	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2021	1	1	0.1583	4.751	7.2800	5.3799	30.0117	24.10	0.281246
1	1	38	2021	1	2	0.1048	4.212	8.0600	5.7548	40.1957	18.50	0.101405
1	1	38	2021	1	3	0.1469	5.905	8.0600	5.7548	40.1957	18.50	0.337320
1	1	38	2021	1	4	0.2660	10.058	8.0600	5.7548	37.8166	14.20	0.103547
1	1	38	2021	1	5	0.2840	10.739	8.0600	5.7548	37.8166	14.20	0.047578
1	1	38	2021	1	6	0.1285	4.853	6.8800	4.9123	37.7707	10.13	0.027524
1	1	38	2021	1	7	0.1232	4.654	6.8800	4.9123	37.7707	9.39	0.000969
1	1	38	2021	1	8	0.1110	4.051	6.8800	4.9123	36.4932	9.35	0.000281
1	1	38	2021	1	9	0.1223	4.463	6.8800	4.9123	36.4931	8.01	0.000959
1	1	38	2021	1	10	0.1218	4.444	6.8800	4.9123	36.4932	8.14	0.001996
1	1	38	2021	1	11	0.1304	4.760	6.8800	4.9123	36.4932	7.45	0.000819

1	1	38	2021	1	12	0.1381	5.038	6.8800	4.9123	36.4932	7.07	0.000002
1	1	38	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2021	1	14	0.0398	1.194	7.2800	5.1979	30.0117	32.40	0.000028
1	1	38	2021	1	15	0.0416	2.006	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2021	1	16	0.0846	3.810	6.6500	4.7481	45.0549	12.96	0.008198
1	1	38	2021	1	17	0.0949	4.484	6.6500	4.7481	47.2522	11.66	0.002544
1	1	38	2021	1	18	0.1146	6.496	6.6500	4.7481	56.6821	10.20	0.002699
1	1	38	2021	1	19	0.1251	7.092	6.6500	4.7481	56.6821	9.88	0.001293
1	1	38	2021	1	20	0.1516	9.816	6.6500	4.7481	64.7605	8.71	0.006032
1	1	38	2021	1	21	0.1873	12.132	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2021	1	22	0.2118	27.577	6.6500	4.7481	130.2221	6.59	0.010278
1	1	38	2021	1	23	0.2378	47.033	6.6500	4.7481	197.8148	6.30	0.036527
1	1	38	2021	1	24	1.7980	15.431	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2021	1	25	0.2146	5.843	6.8800	4.9123	27.2301	6.45	0.000303
1	1	38	2021	1	26	0.1837	17.954	6.6500	4.7481	97.7390	4.36	0.003655
1	1	38	2021	1	27	0.2591	7.056	6.6500	4.7481	27.2301	6.18	0.007008
1	1	38	2021	1	28	0.1041	4.580	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2021	2	1	10.1812	305.556	7.2800	5.3799	30.0117	24.10	0.281246
1	1	38	2021	2	2	8.0034	321.701	8.0600	5.7548	40.1957	18.50	0.101405
1	1	38	2021	2	3	8.5272	342.758	8.0600	5.7548	40.1957	18.50	0.337320
1	1	38	2021	2	4	10.5243	397.995	8.0600	5.7548	37.8166	14.20	0.103547
1	1	38	2021	2	5	10.7835	407.795	8.0600	5.7548	37.8166	14.20	0.047578
1	1	38	2021	2	6	4.5740	172.763	6.8800	4.9123	37.7707	10.13	0.027524
1	1	38	2021	2	7	5.7413	216.852	6.8800	4.9123	37.7707	9.39	0.000969
1	1	38	2021	2	8	5.5878	203.917	6.8800	4.9123	36.4932	9.35	0.000281
1	1	38	2021	2	9	6.5266	238.175	6.8800	4.9123	36.4931	8.01	0.000959
1	1	38	2021	2	10	6.4597	235.735	6.8800	4.9123	36.4932	8.14	0.001996
1	1	38	2021	2	11	7.6766	280.143	6.8800	4.9123	36.4932	7.45	0.000819
1	1	38	2021	2	12	8.1754	298.347	6.8800	4.9123	36.4932	7.07	0.000002
1	1	38	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2021	2	14	0.4886	14.665	7.2800	5.1979	30.0117	32.40	0.000028
1	1	38	2021	2	15	0.2004	9.674	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2021	2	16	0.1051	4.734	6.6500	4.7481	45.0549	12.96	0.008198
1	1	38	2021	2	17	0.1053	4.978	6.6500	4.7481	47.2522	11.66	0.002544
1	1	38	2021	2	18	0.1589	9.004	6.6500	4.7481	56.6821	10.20	0.002699
1	1	38	2021	2	19	0.1724	9.773	6.6500	4.7481	56.6821	9.88	0.001293
1	1	38	2021	2	20	0.1562	10.117	6.6500	4.7481	64.7605	8.71	0.006032
1	1	38	2021	2	21	0.1936	12.540	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2021	2	22	0.2437	31.737	6.6500	4.7481	130.2221	6.59	0.010278
1	1	38	2021	2	23	0.3001	59.366	6.6500	4.7481	197.8148	6.30	0.036527
1	1	38	2021	2	24	9.3412	80.168	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2021	2	25	9.1034	247.886	6.8800	4.9123	27.2301	6.45	0.000303
1	1	38	2021	2	26	0.5022	49.085	6.6500	4.7481	97.7390	4.36	0.003655
1	1	38	2021	2	27	0.3932	10.706	6.6500	4.7481	27.2301	6.18	0.007008
1	1	38	2021	2	28	0.2899	12.748	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2021	3	1	0.1673	5.020	7.2800	5.3799	30.0117	24.10	0.281246
1	1	38	2021	3	2	0.1259	5.060	8.0600	5.7548	40.1957	18.50	0.101405

1	1	38	2021	3	3	0.1784	7.172	8.0600	5.7548	40.1957	18.50	0.337320
1	1	38	2021	3	4	0.3716	14.053	8.0600	5.7548	37.8166	14.20	0.103547
1	1	38	2021	3	5	0.4747	17.952	8.0600	5.7548	37.8166	14.20	0.047578
1	1	38	2021	3	6	0.4715	17.809	6.8800	4.9123	37.7707	10.13	0.027524
1	1	38	2021	3	7	0.5335	20.149	6.8800	4.9123	37.7707	9.39	0.000969
1	1	38	2021	3	8	0.4276	15.604	6.8800	4.9123	36.4932	9.35	0.000281
1	1	38	2021	3	9	0.4957	18.090	6.8800	4.9123	36.4931	8.01	0.000959
1	1	38	2021	3	10	0.4913	17.927	6.8800	4.9123	36.4932	8.14	0.001996
1	1	38	2021	3	11	0.5478	19.991	6.8800	4.9123	36.4932	7.45	0.000819
1	1	38	2021	3	12	0.5828	21.269	6.8800	4.9123	36.4932	7.07	0.000002
1	1	38	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2021	3	14	0.0510	1.532	7.2800	5.1979	30.0117	32.40	0.000028
1	1	38	2021	3	15	0.0363	1.754	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2021	3	16	0.3683	16.592	6.6500	4.7481	45.0549	12.96	0.008198
1	1	38	2021	3	17	0.3491	16.495	6.6500	4.7481	47.2522	11.66	0.002544
1	1	38	2021	3	18	0.5743	32.552	6.6500	4.7481	56.6821	10.20	0.002699
1	1	38	2021	3	19	0.6230	35.313	6.6500	4.7481	56.6821	9.88	0.001293
1	1	38	2021	3	20	0.6325	40.964	6.6500	4.7481	64.7605	8.71	0.006032
1	1	38	2021	3	21	0.7833	50.725	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2021	3	22	0.8339	108.594	6.6500	4.7481	130.2221	6.59	0.010278
1	1	38	2021	3	23	1.0434	206.396	6.6500	4.7481	197.8148	6.30	0.036527
1	1	38	2021	3	24	2.0114	17.262	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2021	3	25	1.3213	35.980	6.8800	4.9123	27.2301	6.45	0.000303
1	1	38	2021	3	26	2.4104	235.593	6.6500	4.7481	97.7390	4.36	0.003655
1	1	38	2021	3	27	2.0013	54.497	6.6500	4.7481	27.2301	6.18	0.007008
1	1	38	2021	3	28	0.0998	4.388	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	39	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655

1	1	39	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2021	1	1	0.1577	4.733	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2021	1	2	0.1045	4.199	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2021	1	3	0.1469	5.903	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2021	1	4	0.2654	10.038	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2021	1	5	0.2833	10.712	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2021	1	6	0.1258	4.753	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2021	1	7	0.1207	4.560	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2021	1	8	0.1088	3.972	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2021	1	9	0.1198	4.373	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2021	1	10	0.1193	4.354	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2021	1	11	0.1277	4.662	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2021	1	12	0.1352	4.933	6.8800	4.9123	36.4932	7.07	0.000002
1	1	39	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2021	1	14	0.0394	1.182	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2021	1	15	0.0410	1.981	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2021	1	16	0.0830	3.742	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2021	1	17	0.0932	4.404	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2021	1	18	0.1126	6.380	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2021	1	19	0.1229	6.965	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2021	1	20	0.1489	9.640	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2021	1	21	0.1840	11.914	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2021	1	22	0.2080	27.082	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2021	1	23	0.2335	46.189	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2021	1	24	1.7863	15.330	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2021	1	25	0.2098	5.714	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2021	1	26	0.1804	17.632	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2021	1	27	0.2545	6.929	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2021	1	28	0.1030	4.529	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2021	2	1	10.2357	307.191	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2021	2	2	8.0548	323.767	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2021	2	3	8.5824	344.974	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2021	2	4	10.5965	400.724	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2021	2	5	10.8569	410.570	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2021	2	6	4.5526	171.955	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2021	2	7	5.7145	215.839	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2021	2	8	5.5617	202.964	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2021	2	9	6.4961	237.062	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2021	2	10	6.4295	234.634	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2021	2	11	7.6407	278.833	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2021	2	12	8.1372	296.953	6.8800	4.9123	36.4932	7.07	0.000002

1	1	39	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2021	2	14	0.4858	14.580	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2021	2	15	0.1990	9.608	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2021	2	16	0.1039	4.682	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2021	2	17	0.1042	4.923	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2021	2	18	0.1571	8.906	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2021	2	19	0.1705	9.666	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2021	2	20	0.1545	10.006	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2021	2	21	0.1915	12.403	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2021	2	22	0.2410	31.389	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2021	2	23	0.2968	58.715	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2021	2	24	9.2307	79.220	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2021	2	25	9.0608	246.728	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2021	2	26	0.4967	48.547	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2021	2	27	0.3889	10.589	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2021	2	28	0.2881	12.667	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2021	3	1	0.1682	5.048	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2021	3	2	0.1266	5.090	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2021	3	3	0.1794	7.210	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2021	3	4	0.3731	14.109	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2021	3	5	0.4760	18.000	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2021	3	6	0.4751	17.947	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2021	3	7	0.5376	20.306	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2021	3	8	0.4309	15.725	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2021	3	9	0.4996	18.230	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2021	3	10	0.4951	18.066	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2021	3	11	0.5521	20.146	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2021	3	12	0.5873	21.434	6.8800	4.9123	36.4932	7.07	0.000002
1	1	39	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2021	3	14	0.0517	1.551	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2021	3	15	0.0368	1.776	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2021	3	16	0.3731	16.810	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2021	3	17	0.3537	16.712	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2021	3	18	0.5818	32.980	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2021	3	19	0.6312	35.776	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2021	3	20	0.6410	41.508	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2021	3	21	0.7937	51.400	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2021	3	22	0.8449	110.024	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2021	3	23	1.0570	209.100	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2021	3	24	2.0191	17.328	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2021	3	25	1.3316	36.259	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2021	3	26	2.4432	238.792	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2021	3	27	2.0285	55.235	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2021	3	28	0.1010	4.443	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	40	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	40	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320

1	1	40	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	40	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	40	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	40	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	40	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	40	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	40	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	40	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	40	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	40	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	40	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	40	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	40	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	40	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	40	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	40	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	40	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	40	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	40	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	40	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	40	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	40	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	40	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	40	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	40	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	40	2021	1	1	0.1572	4.717	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	40	2021	1	2	0.1042	4.187	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	40	2021	1	3	0.1468	5.902	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	40	2021	1	4	0.2650	10.020	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	40	2021	1	5	0.2826	10.686	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	40	2021	1	6	0.1233	4.658	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	40	2021	1	7	0.1183	4.470	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	40	2021	1	8	0.1068	3.896	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	40	2021	1	9	0.1175	4.287	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	40	2021	1	10	0.1170	4.269	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	40	2021	1	11	0.1252	4.568	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	40	2021	1	12	0.1324	4.832	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	40	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	40	2021	1	14	0.0390	1.170	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	40	2021	1	15	0.0405	1.957	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	40	2021	1	16	0.0816	3.677	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	40	2021	1	17	0.0916	4.327	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	40	2021	1	18	0.1106	6.268	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	40	2021	1	19	0.1207	6.844	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	40	2021	1	20	0.1463	9.472	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	40	2021	1	21	0.1808	11.707	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	40	2021	1	22	0.2043	26.610	6.6500	4.7481	130.2221	6.59
0.010278											

1	1	40	2021	1	23	0.2294	45.385	6.6500	4.7481	197.8148	6.30	0.036527
1	1	40	2021	1	24	1.7751	15.234	1.3500	0.9639	8.5822	50.00	0.002374
1	1	40	2021	1	25	0.2053	5.591	6.8800	4.9123	27.2301	6.45	0.000303
1	1	40	2021	1	26	0.1773	17.324	6.6500	4.7481	97.7390	4.36	0.003655
1	1	40	2021	1	27	0.2500	6.808	6.6500	4.7481	27.2301	6.18	0.007008
1	1	40	2021	1	28	0.1019	4.481	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2021	2	1	10.2877	308.750	7.2800	5.3799	30.0117	24.10	0.281246
1	1	40	2021	2	2	8.1038	325.736	8.0600	5.7548	40.1957	18.50	0.101405
1	1	40	2021	2	3	8.6349	347.087	8.0600	5.7548	40.1957	18.50	0.337320
1	1	40	2021	2	4	10.6653	403.327	8.0600	5.7548	37.8166	14.20	0.103547
1	1	40	2021	2	5	10.9268	413.216	8.0600	5.7548	37.8166	14.20	0.047578
1	1	40	2021	2	6	4.5322	171.185	6.8800	4.9123	37.7707	10.13	0.027524
1	1	40	2021	2	7	5.6889	214.872	6.8800	4.9123	37.7707	9.39	0.000969
1	1	40	2021	2	8	5.5368	202.055	6.8800	4.9123	36.4932	9.35	0.000281
1	1	40	2021	2	9	6.4670	236.000	6.8800	4.9123	36.4931	8.01	0.000959
1	1	40	2021	2	10	6.4007	233.583	6.8800	4.9123	36.4932	8.14	0.001996
1	1	40	2021	2	11	7.6065	277.585	6.8800	4.9123	36.4932	7.45	0.000819
1	1	40	2021	2	12	8.1008	295.623	6.8800	4.9123	36.4932	7.07	0.000002
1	1	40	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	40	2021	2	14	0.4831	14.498	7.2800	5.1979	30.0117	32.40	0.000028
1	1	40	2021	2	15	0.1977	9.546	8.0600	5.7548	48.2848	22.10	0.004518
1	1	40	2021	2	16	0.1028	4.632	6.6500	4.7481	45.0549	12.96	0.008198
1	1	40	2021	2	17	0.1031	4.871	6.6500	4.7481	47.2522	11.66	0.002544
1	1	40	2021	2	18	0.1555	8.812	6.6500	4.7481	56.6821	10.20	0.002699
1	1	40	2021	2	19	0.1687	9.564	6.6500	4.7481	56.6821	9.88	0.001293
1	1	40	2021	2	20	0.1529	9.900	6.6500	4.7481	64.7605	8.71	0.006032
1	1	40	2021	2	21	0.1895	12.271	6.6500	4.7481	64.7605	7.53	0.008655
1	1	40	2021	2	22	0.2385	31.057	6.6500	4.7481	130.2221	6.59	0.010278
1	1	40	2021	2	23	0.2937	58.094	6.6500	4.7481	197.8148	6.30	0.036527
1	1	40	2021	2	24	9.1254	78.316	1.3500	0.9639	8.5822	50.00	0.002374
1	1	40	2021	2	25	9.0203	245.623	6.8800	4.9123	27.2301	6.45	0.000303
1	1	40	2021	2	26	0.4914	48.033	6.6500	4.7481	97.7390	4.36	0.003655
1	1	40	2021	2	27	0.3848	10.477	6.6500	4.7481	27.2301	6.18	0.007008
1	1	40	2021	2	28	0.2863	12.591	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2021	3	1	0.1691	5.074	7.2800	5.3799	30.0117	24.10	0.281246
1	1	40	2021	3	2	0.1274	5.120	8.0600	5.7548	40.1957	18.50	0.101405
1	1	40	2021	3	3	0.1803	7.246	8.0600	5.7548	40.1957	18.50	0.337320
1	1	40	2021	3	4	0.3745	14.162	8.0600	5.7548	37.8166	14.20	0.103547
1	1	40	2021	3	5	0.4772	18.046	8.0600	5.7548	37.8166	14.20	0.047578
1	1	40	2021	3	6	0.4786	18.078	6.8800	4.9123	37.7707	10.13	0.027524
1	1	40	2021	3	7	0.5415	20.455	6.8800	4.9123	37.7707	9.39	0.000969
1	1	40	2021	3	8	0.4341	15.840	6.8800	4.9123	36.4932	9.35	0.000281
1	1	40	2021	3	9	0.5032	18.364	6.8800	4.9123	36.4931	8.01	0.000959
1	1	40	2021	3	10	0.4987	18.199	6.8800	4.9123	36.4932	8.14	0.001996
1	1	40	2021	3	11	0.5561	20.294	6.8800	4.9123	36.4932	7.45	0.000819
1	1	40	2021	3	12	0.5916	21.591	6.8800	4.9123	36.4932	7.07	0.000002
1	1	40	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	40	2021	3	14	0.0523	1.569	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	40	2021	3	15	0.0372	1.797	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	40	2021	3	16	0.3777	17.018	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	40	2021	3	17	0.3580	16.918	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	40	2021	3	18	0.5890	33.387	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	40	2021	3	19	0.6390	36.219	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	40	2021	3	20	0.6490	42.028	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	40	2021	3	21	0.8036	52.043	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	40	2021	3	22	0.8554	111.387	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	40	2021	3	23	1.0701	211.678	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	40	2021	3	24	2.0265	17.392	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	40	2021	3	25	1.3413	36.525	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	40	2021	3	26	2.4744	241.843	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	40	2021	3	27	2.0543	55.940	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	40	2021	3	28	0.1022	4.495	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	41	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	41	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	41	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	41	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	41	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	41	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	41	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	41	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	41	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	41	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	41	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	41	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	41	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	41	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	41	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	41	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	41	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	41	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	41	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	41	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	41	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	41	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	41	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	41	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	41	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	41	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	41	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	41	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	41	2021	1	1	0.1566	4.701	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	41	2021	1	2	0.1039	4.176	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	41	2021	1	3	0.1468	5.900	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	41	2021	1	4	0.2645	10.002	8.0600	5.7548	37.8166	14.20
0.103547											

1	1	41	2021	1	5	0.2819	10.661	8.0600	5.7548	37.8166	14.20	0.047578
1	1	41	2021	1	6	0.1209	4.568	6.8800	4.9123	37.7707	10.13	0.027524
1	1	41	2021	1	7	0.1161	4.384	6.8800	4.9123	37.7707	9.39	0.000969
1	1	41	2021	1	8	0.1048	3.824	6.8800	4.9123	36.4932	9.35	0.000281
1	1	41	2021	1	9	0.1152	4.205	6.8800	4.9123	36.4931	8.01	0.000959
1	1	41	2021	1	10	0.1147	4.187	6.8800	4.9123	36.4932	8.14	0.001996
1	1	41	2021	1	11	0.1227	4.479	6.8800	4.9123	36.4932	7.45	0.000819
1	1	41	2021	1	12	0.1298	4.736	6.8800	4.9123	36.4932	7.07	0.000002
1	1	41	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2021	1	14	0.0386	1.159	7.2800	5.1979	30.0117	32.40	0.000028
1	1	41	2021	1	15	0.0401	1.934	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2021	1	16	0.0802	3.614	6.6500	4.7481	45.0549	12.96	0.008198
1	1	41	2021	1	17	0.0900	4.254	6.6500	4.7481	47.2522	11.66	0.002544
1	1	41	2021	1	18	0.1087	6.162	6.6500	4.7481	56.6821	10.20	0.002699
1	1	41	2021	1	19	0.1187	6.728	6.6500	4.7481	56.6821	9.88	0.001293
1	1	41	2021	1	20	0.1438	9.312	6.6500	4.7481	64.7605	8.71	0.006032
1	1	41	2021	1	21	0.1777	11.508	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2021	1	22	0.2009	26.160	6.6500	4.7481	130.2221	6.59	0.010278
1	1	41	2021	1	23	0.2255	44.617	6.6500	4.7481	197.8148	6.30	0.036527
1	1	41	2021	1	24	1.7644	15.143	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2021	1	25	0.2010	5.473	6.8800	4.9123	27.2301	6.45	0.000303
1	1	41	2021	1	26	0.1743	17.031	6.6500	4.7481	97.7390	4.36	0.003655
1	1	41	2021	1	27	0.2458	6.693	6.6500	4.7481	27.2301	6.18	0.007008
1	1	41	2021	1	28	0.1008	4.435	8.0600	5.7548	43.9743	17.00	0.002242
1	1	41	2021	2	1	10.3372	310.238	7.2800	5.3799	30.0117	24.10	0.281246
1	1	41	2021	2	2	8.1505	327.616	8.0600	5.7548	40.1957	18.50	0.101405
1	1	41	2021	2	3	8.6851	349.104	8.0600	5.7548	40.1957	18.50	0.337320
1	1	41	2021	2	4	10.7310	405.811	8.0600	5.7548	37.8166	14.20	0.103547
1	1	41	2021	2	5	10.9936	415.741	8.0600	5.7548	37.8166	14.20	0.047578
1	1	41	2021	2	6	4.5128	170.450	6.8800	4.9123	37.7707	10.13	0.027524
1	1	41	2021	2	7	5.6644	213.950	6.8800	4.9123	37.7707	9.39	0.000969
1	1	41	2021	2	8	5.5130	201.188	6.8800	4.9123	36.4932	9.35	0.000281
1	1	41	2021	2	9	6.4392	234.987	6.8800	4.9123	36.4931	8.01	0.000959
1	1	41	2021	2	10	6.3733	232.580	6.8800	4.9123	36.4932	8.14	0.001996
1	1	41	2021	2	11	7.5738	276.393	6.8800	4.9123	36.4932	7.45	0.000819
1	1	41	2021	2	12	8.0660	294.354	6.8800	4.9123	36.4932	7.07	0.000002
1	1	41	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2021	2	14	0.4805	14.420	7.2800	5.1979	30.0117	32.40	0.000028
1	1	41	2021	2	15	0.1965	9.486	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2021	2	16	0.1018	4.585	6.6500	4.7481	45.0549	12.96	0.008198
1	1	41	2021	2	17	0.1020	4.822	6.6500	4.7481	47.2522	11.66	0.002544
1	1	41	2021	2	18	0.1539	8.722	6.6500	4.7481	56.6821	10.20	0.002699
1	1	41	2021	2	19	0.1670	9.466	6.6500	4.7481	56.6821	9.88	0.001293
1	1	41	2021	2	20	0.1513	9.799	6.6500	4.7481	64.7605	8.71	0.006032
1	1	41	2021	2	21	0.1876	12.146	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2021	2	22	0.2361	30.740	6.6500	4.7481	130.2221	6.59	0.010278
1	1	41	2021	2	23	0.2907	57.502	6.6500	4.7481	197.8148	6.30	0.036527

1	1	41	2021	2	24	9.0249	77.454	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2021	2	25	8.9815	244.569	6.8800	4.9123	27.2301	6.45	0.000303
1	1	41	2021	2	26	0.4864	47.543	6.6500	4.7481	97.7390	4.36	0.003655
1	1	41	2021	2	27	0.3808	10.370	6.6500	4.7481	27.2301	6.18	0.007008
1	1	41	2021	2	28	0.2847	12.517	8.0600	5.7548	43.9743	17.00	0.002242
1	1	41	2021	3	1	0.1699	5.100	7.2800	5.3799	30.0117	24.10	0.281246
1	1	41	2021	3	2	0.1281	5.148	8.0600	5.7548	40.1957	18.50	0.101405
1	1	41	2021	3	3	0.1811	7.281	8.0600	5.7548	40.1957	18.50	0.337320
1	1	41	2021	3	4	0.3758	14.212	8.0600	5.7548	37.8166	14.20	0.103547
1	1	41	2021	3	5	0.4784	18.090	8.0600	5.7548	37.8166	14.20	0.047578
1	1	41	2021	3	6	0.4820	18.204	6.8800	4.9123	37.7707	10.13	0.027524
1	1	41	2021	3	7	0.5453	20.597	6.8800	4.9123	37.7707	9.39	0.000969
1	1	41	2021	3	8	0.4371	15.951	6.8800	4.9123	36.4932	9.35	0.000281
1	1	41	2021	3	9	0.5067	18.492	6.8800	4.9123	36.4931	8.01	0.000959
1	1	41	2021	3	10	0.5022	18.326	6.8800	4.9123	36.4932	8.14	0.001996
1	1	41	2021	3	11	0.5600	20.435	6.8800	4.9123	36.4932	7.45	0.000819
1	1	41	2021	3	12	0.5958	21.741	6.8800	4.9123	36.4932	7.07	0.000002
1	1	41	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2021	3	14	0.0529	1.586	7.2800	5.1979	30.0117	32.40	0.000028
1	1	41	2021	3	15	0.0376	1.817	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2021	3	16	0.3821	17.216	6.6500	4.7481	45.0549	12.96	0.008198
1	1	41	2021	3	17	0.3622	17.115	6.6500	4.7481	47.2522	11.66	0.002544
1	1	41	2021	3	18	0.5959	33.776	6.6500	4.7481	56.6821	10.20	0.002699
1	1	41	2021	3	19	0.6464	36.641	6.6500	4.7481	56.6821	9.88	0.001293
1	1	41	2021	3	20	0.6566	42.523	6.6500	4.7481	64.7605	8.71	0.006032
1	1	41	2021	3	21	0.8131	52.657	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2021	3	22	0.8654	112.688	6.6500	4.7481	130.2221	6.59	0.010278
1	1	41	2021	3	23	1.0825	214.138	6.6500	4.7481	197.8148	6.30	0.036527
1	1	41	2021	3	24	2.0335	17.452	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2021	3	25	1.3507	36.779	6.8800	4.9123	27.2301	6.45	0.000303
1	1	41	2021	3	26	2.5042	244.755	6.6500	4.7481	97.7390	4.36	0.003655
1	1	41	2021	3	27	2.0790	56.612	6.6500	4.7481	27.2301	6.18	0.007008
1	1	41	2021	3	28	0.1033	4.544	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	42	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	42	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	42	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	42	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	42	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	42	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	42	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	42	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	42	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	42	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	42	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	42	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028

1	1	42	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	42	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	42	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	42	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	42	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	42	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	42	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	42	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	42	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	42	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	42	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	42	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2021	1	1	0.1561	4.685	7.2800	5.3799	30.0117	24.10	0.281246
1	1	42	2021	1	2	0.1036	4.165	8.0600	5.7548	40.1957	18.50	0.101405
1	1	42	2021	1	3	0.1468	5.899	8.0600	5.7548	40.1957	18.50	0.337320
1	1	42	2021	1	4	0.2641	9.986	8.0600	5.7548	37.8166	14.20	0.103547
1	1	42	2021	1	5	0.2813	10.638	8.0600	5.7548	37.8166	14.20	0.047578
1	1	42	2021	1	6	0.1186	4.481	6.8800	4.9123	37.7707	10.13	0.027524
1	1	42	2021	1	7	0.1139	4.302	6.8800	4.9123	37.7707	9.39	0.000969
1	1	42	2021	1	8	0.1029	3.755	6.8800	4.9123	36.4932	9.35	0.000281
1	1	42	2021	1	9	0.1131	4.126	6.8800	4.9123	36.4931	8.01	0.000959
1	1	42	2021	1	10	0.1126	4.109	6.8800	4.9123	36.4932	8.14	0.001996
1	1	42	2021	1	11	0.1204	4.394	6.8800	4.9123	36.4932	7.45	0.000819
1	1	42	2021	1	12	0.1273	4.644	6.8800	4.9123	36.4932	7.07	0.000002
1	1	42	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2021	1	14	0.0382	1.148	7.2800	5.1979	30.0117	32.40	0.000028
1	1	42	2021	1	15	0.0396	1.912	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2021	1	16	0.0789	3.555	6.6500	4.7481	45.0549	12.96	0.008198
1	1	42	2021	1	17	0.0885	4.184	6.6500	4.7481	47.2522	11.66	0.002544
1	1	42	2021	1	18	0.1069	6.061	6.6500	4.7481	56.6821	10.20	0.002699
1	1	42	2021	1	19	0.1167	6.617	6.6500	4.7481	56.6821	9.88	0.001293
1	1	42	2021	1	20	0.1414	9.159	6.6500	4.7481	64.7605	8.71	0.006032
1	1	42	2021	1	21	0.1748	11.319	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2021	1	22	0.1976	25.730	6.6500	4.7481	130.2221	6.59	0.010278
1	1	42	2021	1	23	0.2218	43.883	6.6500	4.7481	197.8148	6.30	0.036527
1	1	42	2021	1	24	1.7543	15.055	1.3500	0.9639	8.5822	50.00	0.002374
1	1	42	2021	1	25	0.1968	5.360	6.8800	4.9123	27.2301	6.45	0.000303
1	1	42	2021	1	26	0.1714	16.751	6.6500	4.7481	97.7390	4.36	0.003655
1	1	42	2021	1	27	0.2418	6.583	6.6500	4.7481	27.2301	6.18	0.007008
1	1	42	2021	1	28	0.0998	4.390	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2021	2	1	10.3846	311.660	7.2800	5.3799	30.0117	24.10	0.281246
1	1	42	2021	2	2	8.1952	329.412	8.0600	5.7548	40.1957	18.50	0.101405
1	1	42	2021	2	3	8.7331	351.031	8.0600	5.7548	40.1957	18.50	0.337320
1	1	42	2021	2	4	10.7938	408.185	8.0600	5.7548	37.8166	14.20	0.103547
1	1	42	2021	2	5	11.0574	418.155	8.0600	5.7548	37.8166	14.20	0.047578

1	1	42	2021	2	6	4.4942	169.748	6.8800	4.9123	37.7707	10.13	0.027524
1	1	42	2021	2	7	5.6411	213.068	6.8800	4.9123	37.7707	9.39	0.000969
1	1	42	2021	2	8	5.4903	200.359	6.8800	4.9123	36.4932	9.35	0.000281
1	1	42	2021	2	9	6.4127	234.019	6.8800	4.9123	36.4931	8.01	0.000959
1	1	42	2021	2	10	6.3470	231.622	6.8800	4.9123	36.4932	8.14	0.001996
1	1	42	2021	2	11	7.5426	275.254	6.8800	4.9123	36.4932	7.45	0.000819
1	1	42	2021	2	12	8.0328	293.141	6.8800	4.9123	36.4932	7.07	0.000002
1	1	42	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2021	2	14	0.4780	14.346	7.2800	5.1979	30.0117	32.40	0.000028
1	1	42	2021	2	15	0.1953	9.428	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2021	2	16	0.1008	4.540	6.6500	4.7481	45.0549	12.96	0.008198
1	1	42	2021	2	17	0.1010	4.774	6.6500	4.7481	47.2522	11.66	0.002544
1	1	42	2021	2	18	0.1524	8.636	6.6500	4.7481	56.6821	10.20	0.002699
1	1	42	2021	2	19	0.1654	9.373	6.6500	4.7481	56.6821	9.88	0.001293
1	1	42	2021	2	20	0.1498	9.703	6.6500	4.7481	64.7605	8.71	0.006032
1	1	42	2021	2	21	0.1857	12.027	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2021	2	22	0.2337	30.437	6.6500	4.7481	130.2221	6.59	0.010278
1	1	42	2021	2	23	0.2878	56.935	6.6500	4.7481	197.8148	6.30	0.036527
1	1	42	2021	2	24	8.9289	76.630	1.3500	0.9639	8.5822	50.00	0.002374
1	1	42	2021	2	25	8.9445	243.561	6.8800	4.9123	27.2301	6.45	0.000303
1	1	42	2021	2	26	0.4816	47.075	6.6500	4.7481	97.7390	4.36	0.003655
1	1	42	2021	2	27	0.3771	10.268	6.6500	4.7481	27.2301	6.18	0.007008
1	1	42	2021	2	28	0.2831	12.447	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2021	3	1	0.1707	5.124	7.2800	5.3799	30.0117	24.10	0.281246
1	1	42	2021	3	2	0.1287	5.175	8.0600	5.7548	40.1957	18.50	0.101405
1	1	42	2021	3	3	0.1820	7.314	8.0600	5.7548	40.1957	18.50	0.337320
1	1	42	2021	3	4	0.3771	14.260	8.0600	5.7548	37.8166	14.20	0.103547
1	1	42	2021	3	5	0.4795	18.133	8.0600	5.7548	37.8166	14.20	0.047578
1	1	42	2021	3	6	0.4851	18.324	6.8800	4.9123	37.7707	10.13	0.027524
1	1	42	2021	3	7	0.5489	20.733	6.8800	4.9123	37.7707	9.39	0.000969
1	1	42	2021	3	8	0.4400	16.056	6.8800	4.9123	36.4932	9.35	0.000281
1	1	42	2021	3	9	0.5101	18.614	6.8800	4.9123	36.4931	8.01	0.000959
1	1	42	2021	3	10	0.5055	18.447	6.8800	4.9123	36.4932	8.14	0.001996
1	1	42	2021	3	11	0.5637	20.570	6.8800	4.9123	36.4932	7.45	0.000819
1	1	42	2021	3	12	0.5997	21.885	6.8800	4.9123	36.4932	7.07	0.000002
1	1	42	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2021	3	14	0.0534	1.603	7.2800	5.1979	30.0117	32.40	0.000028
1	1	42	2021	3	15	0.0380	1.837	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2021	3	16	0.3863	17.405	6.6500	4.7481	45.0549	12.96	0.008198
1	1	42	2021	3	17	0.3662	17.304	6.6500	4.7481	47.2522	11.66	0.002544
1	1	42	2021	3	18	0.6024	34.148	6.6500	4.7481	56.6821	10.20	0.002699
1	1	42	2021	3	19	0.6535	37.044	6.6500	4.7481	56.6821	9.88	0.001293
1	1	42	2021	3	20	0.6639	42.997	6.6500	4.7481	64.7605	8.71	0.006032
1	1	42	2021	3	21	0.8222	53.243	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2021	3	22	0.8749	113.932	6.6500	4.7481	130.2221	6.59	0.010278
1	1	42	2021	3	23	1.0944	216.490	6.6500	4.7481	197.8148	6.30	0.036527
1	1	42	2021	3	24	2.0403	17.510	1.3500	0.9639	8.5822	50.00	0.002374

1	1	42	2021	3	25	1.3596	37.022	6.8800	4.9123	27.2301	6.45	0.000303
1	1	42	2021	3	26	2.5326	247.537	6.6500	4.7481	97.7390	4.36	0.003655
1	1	42	2021	3	27	2.1026	57.254	6.6500	4.7481	27.2301	6.18	0.007008
1	1	42	2021	3	28	0.1044	4.592	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	43	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	43	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	43	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	43	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	43	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	43	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	43	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	43	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	43	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	43	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	43	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	43	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	43	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	43	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	43	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	43	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	43	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	43	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	43	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	43	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	43	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	43	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	43	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2021	1	1	0.1554	4.665	7.2800	5.3799	30.0117	24.10	0.281246
1	1	43	2021	1	2	0.1033	4.151	8.0600	5.7548	40.1957	18.50	0.101405
1	1	43	2021	1	3	0.1467	5.895	8.0600	5.7548	40.1957	18.50	0.337320
1	1	43	2021	1	4	0.2635	9.963	8.0600	5.7548	37.8166	14.20	0.103547
1	1	43	2021	1	5	0.2805	10.607	8.0600	5.7548	37.8166	14.20	0.047578
1	1	43	2021	1	6	0.1166	4.405	6.8800	4.9123	37.7707	10.13	0.027524
1	1	43	2021	1	7	0.1120	4.229	6.8800	4.9123	37.7707	9.39	0.000969
1	1	43	2021	1	8	0.1012	3.694	6.8800	4.9123	36.4932	9.35	0.000281
1	1	43	2021	1	9	0.1112	4.058	6.8800	4.9123	36.4931	8.01	0.000959
1	1	43	2021	1	10	0.1107	4.041	6.8800	4.9123	36.4932	8.14	0.001996
1	1	43	2021	1	11	0.1184	4.320	6.8800	4.9123	36.4932	7.45	0.000819
1	1	43	2021	1	12	0.1251	4.566	6.8800	4.9123	36.4932	7.07	0.000002
1	1	43	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2021	1	14	0.0379	1.139	7.2800	5.1979	30.0117	32.40	0.000028
1	1	43	2021	1	15	0.0392	1.894	8.0600	5.7548	48.2848	22.10	0.004518

1	1	43	2021	1	16	0.0778	3.506	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	43	2021	1	17	0.0873	4.126	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	43	2021	1	18	0.1054	5.977	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	43	2021	1	19	0.1151	6.525	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	43	2021	1	20	0.1395	9.032	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	43	2021	1	21	0.1724	11.162	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	43	2021	1	22	0.1948	25.373	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	43	2021	1	23	0.2188	43.273	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	43	2021	1	24	1.7503	15.021	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	43	2021	1	25	0.1933	5.262	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	43	2021	1	26	0.1690	16.519	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	43	2021	1	27	0.2384	6.491	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	43	2021	1	28	0.0990	4.354	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	43	2021	2	1	10.4413	313.361	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	43	2021	2	2	8.2487	331.560	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	43	2021	2	3	8.7904	353.336	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	43	2021	2	4	10.8688	411.023	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	43	2021	2	5	11.1337	421.040	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	43	2021	2	6	4.5265	170.967	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	43	2021	2	7	5.6816	214.598	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	43	2021	2	8	5.5297	201.797	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	43	2021	2	9	6.4587	235.700	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	43	2021	2	10	6.3926	233.285	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	43	2021	2	11	7.5968	277.231	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	43	2021	2	12	8.0905	295.246	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	43	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	43	2021	2	14	0.4776	14.334	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	43	2021	2	15	0.1951	9.419	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	43	2021	2	16	0.1006	4.532	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	43	2021	2	17	0.1009	4.766	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	43	2021	2	18	0.1521	8.621	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	43	2021	2	19	0.1651	9.357	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	43	2021	2	20	0.1496	9.687	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	43	2021	2	21	0.1854	12.006	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	43	2021	2	22	0.2333	30.386	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	43	2021	2	23	0.2873	56.840	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	43	2021	2	24	8.8819	76.227	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	43	2021	2	25	9.0088	245.310	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	43	2021	2	26	0.4808	46.996	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	43	2021	2	27	0.3764	10.251	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	43	2021	2	28	0.2828	12.436	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	43	2021	3	1	0.1717	5.153	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	43	2021	3	2	0.1295	5.207	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	43	2021	3	3	0.1830	7.354	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	43	2021	3	4	0.3786	14.318	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	43	2021	3	5	0.4808	18.183	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	43	2021	3	6	0.4889	18.468	6.8800	4.9123	37.7707	10.13
0.027524											

1	1	43	2021	3	7	0.5532	20.895	6.8800	4.9123	37.7707	9.39	0.000969
1	1	43	2021	3	8	0.4434	16.182	6.8800	4.9123	36.4932	9.35	0.000281
1	1	43	2021	3	9	0.5141	18.760	6.8800	4.9123	36.4931	8.01	0.000959
1	1	43	2021	3	10	0.5094	18.591	6.8800	4.9123	36.4932	8.14	0.001996
1	1	43	2021	3	11	0.5681	20.732	6.8800	4.9123	36.4932	7.45	0.000819
1	1	43	2021	3	12	0.6044	22.056	6.8800	4.9123	36.4932	7.07	0.000002
1	1	43	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2021	3	14	0.0545	1.636	7.2800	5.1979	30.0117	32.40	0.000028
1	1	43	2021	3	15	0.0389	1.876	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2021	3	16	0.3949	17.792	6.6500	4.7481	45.0549	12.96	0.008198
1	1	43	2021	3	17	0.3743	17.688	6.6500	4.7481	47.2522	11.66	0.002544
1	1	43	2021	3	18	0.6158	34.906	6.6500	4.7481	56.6821	10.20	0.002699
1	1	43	2021	3	19	0.6681	37.867	6.6500	4.7481	56.6821	9.88	0.001293
1	1	43	2021	3	20	0.6789	43.963	6.6500	4.7481	64.7605	8.71	0.006032
1	1	43	2021	3	21	0.8406	54.440	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2021	3	22	0.8944	116.468	6.6500	4.7481	130.2221	6.59	0.010278
1	1	43	2021	3	23	1.1186	221.284	6.6500	4.7481	197.8148	6.30	0.036527
1	1	43	2021	3	24	2.0655	17.727	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2021	3	25	1.3702	37.312	6.8800	4.9123	27.2301	6.45	0.000303
1	1	43	2021	3	26	2.5907	253.212	6.6500	4.7481	97.7390	4.36	0.003655
1	1	43	2021	3	27	2.1507	58.564	6.6500	4.7481	27.2301	6.18	0.007008
1	1	43	2021	3	28	0.1066	4.689	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	44	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303

1	1	44	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2021	1	1	0.1548	4.645	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2021	1	2	0.1029	4.137	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2021	1	3	0.1466	5.892	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2021	1	4	0.2629	9.941	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2021	1	5	0.2797	10.578	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2021	1	6	0.1147	4.331	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2021	1	7	0.1101	4.159	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2021	1	8	0.0996	3.635	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2021	1	9	0.1094	3.992	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2021	1	10	0.1089	3.976	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2021	1	11	0.1165	4.250	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2021	1	12	0.1231	4.491	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2021	1	14	0.0377	1.130	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2021	1	15	0.0389	1.877	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2021	1	16	0.0768	3.458	6.6500	4.7481	45.0549	12.96	0.008198
1	1	44	2021	1	17	0.0861	4.070	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2021	1	18	0.1040	5.896	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2021	1	19	0.1136	6.437	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2021	1	20	0.1376	8.910	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2021	1	21	0.1700	11.012	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2021	1	22	0.1922	25.030	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2021	1	23	0.2158	42.690	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2021	1	24	1.7464	14.988	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2021	1	25	0.1898	5.169	6.8800	4.9123	27.2301	6.45	0.000303
1	1	44	2021	1	26	0.1667	16.296	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2021	1	27	0.2352	6.404	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2021	1	28	0.0982	4.319	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2021	2	1	10.4955	314.989	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2021	2	2	8.2998	333.617	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2021	2	3	8.8453	355.542	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2021	2	4	10.9407	413.741	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2021	2	5	11.2068	423.803	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2021	2	6	4.5574	172.134	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2021	2	7	5.7204	216.063	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2021	2	8	5.5675	203.175	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2021	2	9	6.5028	237.309	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2021	2	10	6.4362	234.878	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2021	2	11	7.6487	279.124	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2021	2	12	8.1457	297.262	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2021	2	14	0.4772	14.322	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2021	2	15	0.1949	9.409	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2021	2	16	0.1004	4.525	6.6500	4.7481	45.0549	12.96	0.008198

1	1	44	2021	2	17	0.1007	4.758	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2021	2	18	0.1519	8.607	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2021	2	19	0.1648	9.342	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2021	2	20	0.1493	9.671	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2021	2	21	0.1851	11.987	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2021	2	22	0.2330	30.337	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2021	2	23	0.2869	56.748	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2021	2	24	8.8369	75.841	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2021	2	25	9.0703	246.985	6.8800	4.9123	27.2301	6.45	0.000303
1	1	44	2021	2	26	0.4801	46.921	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2021	2	27	0.3758	10.234	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2021	2	28	0.2825	12.424	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2021	3	1	0.1726	5.181	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2021	3	2	0.1303	5.237	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2021	3	3	0.1839	7.392	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2021	3	4	0.3801	14.373	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2021	3	5	0.4821	18.231	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2021	3	6	0.4926	18.606	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2021	3	7	0.5573	21.051	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2021	3	8	0.4467	16.302	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2021	3	9	0.5179	18.899	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2021	3	10	0.5132	18.730	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2021	3	11	0.5723	20.886	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2021	3	12	0.6089	22.220	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2021	3	14	0.0556	1.668	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2021	3	15	0.0396	1.914	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2021	3	16	0.4031	18.162	6.6500	4.7481	45.0549	12.96	0.008198
1	1	44	2021	3	17	0.3821	18.056	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2021	3	18	0.6286	35.632	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2021	3	19	0.6819	38.654	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2021	3	20	0.6931	44.888	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2021	3	21	0.8583	55.585	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2021	3	22	0.9130	118.896	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2021	3	23	1.1419	225.875	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2021	3	24	2.0896	17.934	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2021	3	25	1.3805	37.590	6.8800	4.9123	27.2301	6.45	0.000303
1	1	44	2021	3	26	2.6463	258.645	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2021	3	27	2.1968	59.819	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2021	3	28	0.1087	4.782	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969

1	1	45	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	45	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	45	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2021	1	1	0.1542	4.626	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2021	1	2	0.1026	4.124	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2021	1	3	0.1465	5.889	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2021	1	4	0.2623	9.921	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2021	1	5	0.2790	10.550	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2021	1	6	0.1128	4.261	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2021	1	7	0.1083	4.092	6.8800	4.9123	37.7707	9.39	0.000969
1	1	45	2021	1	8	0.0981	3.579	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2021	1	9	0.1077	3.930	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2021	1	10	0.1072	3.913	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2021	1	11	0.1146	4.182	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2021	1	12	0.1211	4.419	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2021	1	14	0.0374	1.122	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2021	1	15	0.0385	1.860	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2021	1	16	0.0758	3.413	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2021	1	17	0.0850	4.017	6.6500	4.7481	47.2522	11.66	0.002544
1	1	45	2021	1	18	0.1027	5.819	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2021	1	19	0.1121	6.353	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2021	1	20	0.1358	8.793	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2021	1	21	0.1678	10.867	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2021	1	22	0.1897	24.703	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2021	1	23	0.2130	42.131	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2021	1	24	1.7428	14.957	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2021	1	25	0.1865	5.079	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2021	1	26	0.1645	16.082	6.6500	4.7481	97.7390	4.36	0.003655

1	1	45	2021	1	27	0.2321	6.320	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2021	1	28	0.0974	4.285	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2021	2	1	10.5475	316.549	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2021	2	2	8.3488	335.587	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2021	2	3	8.8979	357.656	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2021	2	4	11.0096	416.345	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2021	2	5	11.2768	426.451	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2021	2	6	4.5870	173.253	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2021	2	7	5.7576	217.467	6.8800	4.9123	37.7707	9.39	0.000969
1	1	45	2021	2	8	5.6037	204.495	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2021	2	9	6.5451	238.851	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2021	2	10	6.4780	236.404	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2021	2	11	7.6984	280.937	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2021	2	12	8.1986	299.193	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2021	2	14	0.4768	14.310	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2021	2	15	0.1947	9.400	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2021	2	16	0.1003	4.518	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2021	2	17	0.1005	4.751	6.6500	4.7481	47.2522	11.66	0.002544
1	1	45	2021	2	18	0.1516	8.594	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2021	2	19	0.1646	9.328	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2021	2	20	0.1491	9.656	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2021	2	21	0.1848	11.969	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2021	2	22	0.2326	30.291	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2021	2	23	0.2864	56.661	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2021	2	24	8.7938	75.471	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2021	2	25	9.1292	248.589	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2021	2	26	0.4793	46.848	6.6500	4.7481	97.7390	4.36	0.003655
1	1	45	2021	2	27	0.3753	10.218	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2021	2	28	0.2823	12.413	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2021	3	1	0.1735	5.208	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2021	3	2	0.1310	5.266	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2021	3	3	0.1848	7.428	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2021	3	4	0.3815	14.426	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2021	3	5	0.4833	18.278	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2021	3	6	0.4961	18.737	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2021	3	7	0.5613	21.200	6.8800	4.9123	37.7707	9.39	0.000969
1	1	45	2021	3	8	0.4499	16.418	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2021	3	9	0.5216	19.033	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2021	3	10	0.5169	18.862	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2021	3	11	0.5764	21.034	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2021	3	12	0.6132	22.378	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2021	3	14	0.0566	1.699	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2021	3	15	0.0404	1.950	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2021	3	16	0.4110	18.516	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2021	3	17	0.3896	18.408	6.6500	4.7481	47.2522	11.66	0.002544

1	1	45	2021	3	18	0.6409	36.328	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2021	3	19	0.6953	39.409	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2021	3	20	0.7068	45.775	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2021	3	21	0.8753	56.683	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2021	3	22	0.9309	121.223	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2021	3	23	1.1641	230.275	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2021	3	24	2.1128	18.132	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2021	3	25	1.3902	37.856	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2021	3	26	2.6995	263.851	6.6500	4.7481	97.7390	4.36	0.003655
1	1	45	2021	3	27	2.2409	61.021	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2021	3	28	0.1108	4.870	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	46	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	46	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2021	1	1	0.1536	4.608	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2021	1	2	0.1023	4.111	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2021	1	3	0.1464	5.886	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2021	1	4	0.2618	9.901	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2021	1	5	0.2783	10.523	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2021	1	6	0.1110	4.194	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2021	1	7	0.1066	4.027	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2021	1	8	0.0966	3.525	6.8800	4.9123	36.4932	9.35	0.000281

1	1	46	2021	1	9	0.1060	3.869	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2021	1	10	0.1056	3.853	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2021	1	11	0.1128	4.118	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2021	1	12	0.1192	4.351	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2021	1	14	0.0371	1.114	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2021	1	15	0.0382	1.844	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2021	1	16	0.0748	3.370	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2021	1	17	0.0839	3.966	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2021	1	18	0.1014	5.745	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2021	1	19	0.1107	6.272	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2021	1	20	0.1341	8.681	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2021	1	21	0.1657	10.729	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2021	1	22	0.1873	24.388	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2021	1	23	0.2103	41.595	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2021	1	24	1.7393	14.927	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2021	1	25	0.1834	4.993	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2021	1	26	0.1625	15.878	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2021	1	27	0.2291	6.240	6.6500	4.7481	27.2301	6.18	0.007008
1	1	46	2021	1	28	0.0967	4.253	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2021	2	1	10.5974	318.045	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2021	2	2	8.3959	337.477	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2021	2	3	8.9483	359.685	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2021	2	4	11.0756	418.843	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2021	2	5	11.3440	428.990	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2021	2	6	4.6154	174.326	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2021	2	7	5.7932	218.814	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2021	2	8	5.6384	205.762	6.8800	4.9123	36.4932	9.35	0.000281
1	1	46	2021	2	9	6.5856	240.330	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2021	2	10	6.5181	237.868	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2021	2	11	7.7460	282.677	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2021	2	12	8.2494	301.046	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2021	2	14	0.4764	14.299	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2021	2	15	0.1945	9.392	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2021	2	16	0.1001	4.511	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2021	2	17	0.1004	4.744	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2021	2	18	0.1514	8.581	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2021	2	19	0.1643	9.314	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2021	2	20	0.1489	9.642	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2021	2	21	0.1845	11.951	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2021	2	22	0.2323	30.246	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2021	2	23	0.2860	56.577	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2021	2	24	8.7525	75.116	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2021	2	25	9.1857	250.129	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2021	2	26	0.4786	46.779	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2021	2	27	0.3747	10.203	6.6500	4.7481	27.2301	6.18	0.007008

1	1	46	2021	2	28	0.2821	12.403	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2021	3	1	0.1744	5.234	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2021	3	2	0.1317	5.295	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2021	3	3	0.1857	7.463	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2021	3	4	0.3828	14.477	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2021	3	5	0.4845	18.322	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2021	3	6	0.4994	18.864	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2021	3	7	0.5651	21.343	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2021	3	8	0.4529	16.529	6.8800	4.9123	36.4932	9.35	0.000281
1	1	46	2021	3	9	0.5251	19.162	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2021	3	10	0.5204	18.990	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2021	3	11	0.5803	21.176	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2021	3	12	0.6173	22.529	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2021	3	14	0.0576	1.729	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2021	3	15	0.0411	1.985	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2021	3	16	0.4185	18.857	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2021	3	17	0.3967	18.746	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2021	3	18	0.6527	36.995	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2021	3	19	0.7080	40.133	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2021	3	20	0.7200	46.625	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2021	3	21	0.8915	57.736	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2021	3	22	0.9480	123.455	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2021	3	23	1.1854	234.495	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2021	3	24	2.1350	18.323	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2021	3	25	1.3996	38.112	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2021	3	26	2.7506	268.845	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2021	3	27	2.2833	62.174	6.6500	4.7481	27.2301	6.18	0.007008
1	1	46	2021	3	28	0.1127	4.956	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	47	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699

1	1	47	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2021	1	1	0.1530	4.591	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2021	1	2	0.1020	4.099	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2021	1	3	0.1464	5.883	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2021	1	4	0.2613	9.882	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2021	1	5	0.2776	10.497	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2021	1	6	0.1093	4.129	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2021	1	7	0.1050	3.965	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2021	1	8	0.0952	3.473	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2021	1	9	0.1044	3.811	6.8800	4.9123	36.4931	8.01	0.000959
1	1	47	2021	1	10	0.1040	3.796	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2021	1	11	0.1111	4.055	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2021	1	12	0.1174	4.285	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2021	1	14	0.0369	1.107	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2021	1	15	0.0379	1.828	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2021	1	16	0.0739	3.328	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2021	1	17	0.0829	3.917	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2021	1	18	0.1001	5.674	6.6500	4.7481	56.6821	10.20	0.002699
1	1	47	2021	1	19	0.1093	6.195	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2021	1	20	0.1324	8.574	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2021	1	21	0.1636	10.596	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2021	1	22	0.1850	24.086	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2021	1	23	0.2077	41.080	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2021	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2021	1	25	0.1803	4.911	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2021	1	26	0.1604	15.681	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2021	1	27	0.2263	6.162	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2021	1	28	0.0960	4.222	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2021	2	1	10.6452	319.482	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2021	2	2	8.4410	339.292	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2021	2	3	8.9968	361.631	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2021	2	4	11.1390	421.241	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2021	2	5	11.4084	431.428	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2021	2	6	4.6426	175.356	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2021	2	7	5.8274	220.107	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2021	2	8	5.6717	206.977	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2021	2	9	6.6245	241.750	6.8800	4.9123	36.4931	8.01	0.000959

1	1	47	2021	2	10	6.5567	239.273	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2021	2	11	7.7918	284.347	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2021	2	12	8.2981	302.825	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2021	2	14	0.4761	14.288	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2021	2	15	0.1943	9.384	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2021	2	16	0.1000	4.505	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2021	2	17	0.1003	4.737	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2021	2	18	0.1512	8.569	6.6500	4.7481	56.6821	10.20	0.002699
1	1	47	2021	2	19	0.1641	9.301	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2021	2	20	0.1487	9.628	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2021	2	21	0.1843	11.934	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2021	2	22	0.2319	30.203	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2021	2	23	0.2856	56.496	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2021	2	24	8.7128	74.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2021	2	25	9.2400	251.607	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2021	2	26	0.4779	46.712	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2021	2	27	0.3742	10.189	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2021	2	28	0.2818	12.393	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2021	3	1	0.1752	5.258	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2021	3	2	0.1324	5.322	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2021	3	3	0.1865	7.496	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2021	3	4	0.3841	14.526	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2021	3	5	0.4856	18.365	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2021	3	6	0.5026	18.985	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2021	3	7	0.5687	21.481	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2021	3	8	0.4558	16.635	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2021	3	9	0.5285	19.285	6.8800	4.9123	36.4931	8.01	0.000959
1	1	47	2021	3	10	0.5237	19.112	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2021	3	11	0.5840	21.312	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2021	3	12	0.6213	22.674	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2021	3	14	0.0586	1.757	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2021	3	15	0.0418	2.019	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2021	3	16	0.4258	19.183	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2021	3	17	0.4036	19.071	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2021	3	18	0.6640	37.636	6.6500	4.7481	56.6821	10.20	0.002699
1	1	47	2021	3	19	0.7203	40.828	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2021	3	20	0.7326	47.441	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2021	3	21	0.9071	58.747	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2021	3	22	0.9645	125.597	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2021	3	23	1.2059	238.546	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2021	3	24	2.1563	18.506	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2021	3	25	1.4086	38.357	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2021	3	26	2.7997	273.640	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2021	3	27	2.3239	63.281	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2021	3	28	0.1146	5.037	8.0600	5.7548	43.9743	17.00	0.002242

1	1	48	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	48	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	48	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2021	1	1	0.1522	4.569	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2021	1	2	0.1016	4.083	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2021	1	3	0.1462	5.878	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2021	1	4	0.2607	9.857	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2021	1	5	0.2767	10.464	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2021	1	6	0.1079	4.074	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2021	1	7	0.1036	3.912	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2021	1	8	0.0939	3.428	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2021	1	9	0.1031	3.763	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2021	1	10	0.1027	3.747	6.8800	4.9123	36.4932	8.14	0.001996
1	1	48	2021	1	11	0.1097	4.004	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2021	1	12	0.1159	4.231	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2021	1	14	0.0367	1.101	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2021	1	15	0.0376	1.817	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2021	1	16	0.0732	3.297	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2021	1	17	0.0821	3.880	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2021	1	18	0.0992	5.621	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2021	1	19	0.1083	6.137	6.6500	4.7481	56.6821	9.88	0.001293

1	1	48	2021	1	20	0.1312	8.494	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2021	1	21	0.1621	10.498	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2021	1	22	0.1832	23.863	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2021	1	23	0.2057	40.699	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2021	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2021	1	25	0.1778	4.842	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2021	1	26	0.1590	15.536	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2021	1	27	0.2242	6.105	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2021	1	28	0.0955	4.199	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2021	2	1	10.7014	321.169	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2021	2	2	8.4940	341.423	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2021	2	3	9.0537	363.918	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2021	2	4	11.2135	424.057	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2021	2	5	11.4841	434.291	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2021	2	6	4.7342	178.814	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2021	2	7	5.9424	224.448	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2021	2	8	5.7835	211.059	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2021	2	9	6.7552	246.518	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2021	2	10	6.6860	243.992	6.8800	4.9123	36.4932	8.14	0.001996
1	1	48	2021	2	11	7.9455	289.955	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2021	2	12	8.4618	308.797	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2021	2	14	0.4781	14.350	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2021	2	15	0.1953	9.431	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2021	2	16	0.1008	4.542	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2021	2	17	0.1011	4.777	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2021	2	18	0.1524	8.640	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2021	2	19	0.1654	9.378	6.6500	4.7481	56.6821	9.88	0.001293
1	1	48	2021	2	20	0.1499	9.708	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2021	2	21	0.1858	12.033	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2021	2	22	0.2339	30.453	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2021	2	23	0.2880	56.965	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2021	2	24	8.7128	74.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2021	2	25	9.4222	256.569	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2021	2	26	0.4819	47.100	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2021	2	27	0.3773	10.273	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2021	2	28	0.2831	12.451	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2021	3	1	0.1762	5.288	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2021	3	2	0.1332	5.354	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2021	3	3	0.1875	7.537	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2021	3	4	0.3857	14.586	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2021	3	5	0.4871	18.421	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2021	3	6	0.5064	19.128	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2021	3	7	0.5730	21.642	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2021	3	8	0.4593	16.760	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2021	3	9	0.5324	19.430	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2021	3	10	0.5276	19.255	6.8800	4.9123	36.4932	8.14	0.001996

1	1	48	2021	3	11	0.5884	21.472	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2021	3	12	0.6260	22.844	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2021	3	14	0.0603	1.808	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2021	3	15	0.0431	2.079	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2021	3	16	0.4388	19.770	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2021	3	17	0.4160	19.655	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2021	3	18	0.6843	38.788	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2021	3	19	0.7423	42.078	6.6500	4.7481	56.6821	9.88	0.001293
1	1	48	2021	3	20	0.7552	48.910	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2021	3	21	0.9352	60.565	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2021	3	22	0.9941	129.452	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2021	3	23	1.2427	245.834	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2021	3	24	2.2045	18.919	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2021	3	25	1.4192	38.645	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2021	3	26	2.8879	282.264	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2021	3	27	2.3970	65.272	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2021	3	28	0.1179	5.185	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	49	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	49	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2021	1	1	0.1515	4.547	7.2800	5.3799	30.0117	24.10	0.281246

1	1	49	2021	1	2	0.1012	4.068	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2021	1	3	0.1461	5.874	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2021	1	4	0.2600	9.833	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2021	1	5	0.2759	10.433	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2021	1	6	0.1064	4.021	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2021	1	7	0.1022	3.860	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2021	1	8	0.0927	3.384	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2021	1	9	0.1018	3.716	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2021	1	10	0.1014	3.701	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2021	1	11	0.1084	3.955	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2021	1	12	0.1145	4.180	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2021	1	14	0.0365	1.095	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2021	1	15	0.0374	1.806	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2021	1	16	0.0725	3.267	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2021	1	17	0.0814	3.845	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2021	1	18	0.0983	5.571	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2021	1	19	0.1073	6.082	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2021	1	20	0.1300	8.418	6.6500	4.7481	64.7605	8.71	0.006032
1	1	49	2021	1	21	0.1606	10.403	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2021	1	22	0.1816	23.648	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2021	1	23	0.2039	40.332	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2021	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2021	1	25	0.1754	4.776	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2021	1	26	0.1575	15.396	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2021	1	27	0.2222	6.050	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2021	1	28	0.0950	4.177	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2021	2	1	10.7555	322.791	7.2800	5.3799	30.0117	24.10	0.281246
1	1	49	2021	2	2	8.5450	343.472	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2021	2	3	9.1083	366.116	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2021	2	4	11.2851	426.765	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2021	2	5	11.5569	437.044	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2021	2	6	4.8222	182.140	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2021	2	7	6.0529	228.622	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2021	2	8	5.8911	214.985	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2021	2	9	6.8808	251.102	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2021	2	10	6.8103	248.530	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2021	2	11	8.0932	295.348	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2021	2	12	8.6192	314.540	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2021	2	14	0.4801	14.409	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2021	2	15	0.1963	9.477	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2021	2	16	0.1016	4.578	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2021	2	17	0.1019	4.814	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2021	2	18	0.1536	8.709	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2021	2	19	0.1668	9.452	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2021	2	20	0.1511	9.785	6.6500	4.7481	64.7605	8.71	0.006032

1	1	49	2021	2	21	0.1873	12.128	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2021	2	22	0.2357	30.694	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2021	2	23	0.2902	57.415	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2021	2	24	8.7128	74.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2021	2	25	9.5975	261.340	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2021	2	26	0.4857	47.472	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2021	2	27	0.3803	10.354	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2021	2	28	0.2844	12.507	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2021	3	1	0.1771	5.316	7.2800	5.3799	30.0117	24.10	0.281246
1	1	49	2021	3	2	0.1340	5.385	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2021	3	3	0.1885	7.575	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2021	3	4	0.3872	14.644	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2021	3	5	0.4885	18.475	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2021	3	6	0.5100	19.265	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2021	3	7	0.5771	21.797	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2021	3	8	0.4626	16.880	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2021	3	9	0.5362	19.569	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2021	3	10	0.5314	19.393	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2021	3	11	0.5926	21.626	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2021	3	12	0.6305	23.008	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2021	3	14	0.0619	1.857	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2021	3	15	0.0442	2.136	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2021	3	16	0.4513	20.335	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2021	3	17	0.4278	20.216	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2021	3	18	0.7039	39.896	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2021	3	19	0.7636	43.280	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2021	3	20	0.7770	50.322	6.6500	4.7481	64.7605	8.71	0.006032
1	1	49	2021	3	21	0.9622	62.314	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2021	3	22	1.0225	133.158	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2021	3	23	1.2782	252.841	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2021	3	24	2.2508	19.317	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2021	3	25	1.4294	38.922	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2021	3	26	2.9728	290.557	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2021	3	27	2.4674	67.186	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2021	3	28	0.1211	5.326	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	50	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819

1	1	50	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2021	1	1	0.1508	4.527	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2021	1	2	0.1008	4.053	8.0600	5.7548	40.1957	18.50	0.101405
1	1	50	2021	1	3	0.1460	5.869	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2021	1	4	0.2594	9.810	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2021	1	5	0.2751	10.402	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2021	1	6	0.1051	3.969	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2021	1	7	0.1009	3.811	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2021	1	8	0.0916	3.343	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2021	1	9	0.1006	3.672	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2021	1	10	0.1002	3.656	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2021	1	11	0.1071	3.908	6.8800	4.9123	36.4932	7.45	0.000819
1	1	50	2021	1	12	0.1132	4.130	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2021	1	14	0.0363	1.090	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2021	1	15	0.0372	1.796	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2021	1	16	0.0719	3.239	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2021	1	17	0.0807	3.812	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2021	1	18	0.0974	5.522	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2021	1	19	0.1064	6.029	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2021	1	20	0.1288	8.344	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2021	1	21	0.1592	10.312	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2021	1	22	0.1800	23.441	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2021	1	23	0.2021	39.979	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2021	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2021	1	25	0.1730	4.712	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2021	1	26	0.1561	15.261	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2021	1	27	0.2202	5.997	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2021	1	28	0.0945	4.156	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2021	2	1	10.8075	324.352	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2021	2	2	8.5940	345.444	8.0600	5.7548	40.1957	18.50	0.101405

1	1	50	2021	2	3	9.1610	368.232	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2021	2	4	11.3540	429.371	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2021	2	5	11.6270	439.693	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2021	2	6	4.9070	185.340	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2021	2	7	6.1592	232.639	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2021	2	8	5.9946	218.762	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2021	2	9	7.0017	255.514	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2021	2	10	6.9300	252.896	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2021	2	11	8.2354	300.537	6.8800	4.9123	36.4932	7.45	0.000819
1	1	50	2021	2	12	8.7706	320.066	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2021	2	14	0.4820	14.466	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2021	2	15	0.1972	9.521	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2021	2	16	0.1024	4.613	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2021	2	17	0.1027	4.851	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2021	2	18	0.1548	8.774	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2021	2	19	0.1680	9.523	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2021	2	20	0.1522	9.859	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2021	2	21	0.1887	12.220	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2021	2	22	0.2375	30.926	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2021	2	23	0.2924	57.849	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2021	2	24	8.7128	74.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2021	2	25	9.7661	265.932	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2021	2	26	0.4894	47.831	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2021	2	27	0.3831	10.433	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2021	2	28	0.2856	12.560	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2021	3	1	0.1780	5.343	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2021	3	2	0.1347	5.415	8.0600	5.7548	40.1957	18.50	0.101405
1	1	50	2021	3	3	0.1894	7.613	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2021	3	4	0.3887	14.699	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2021	3	5	0.4899	18.527	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2021	3	6	0.5135	19.397	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2021	3	7	0.5810	21.946	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2021	3	8	0.4657	16.996	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2021	3	9	0.5399	19.703	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2021	3	10	0.5351	19.526	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2021	3	11	0.5967	21.774	6.8800	4.9123	36.4932	7.45	0.000819
1	1	50	2021	3	12	0.6348	23.165	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2021	3	14	0.0635	1.905	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2021	3	15	0.0454	2.192	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2021	3	16	0.4634	20.879	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2021	3	17	0.4393	20.757	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2021	3	18	0.7227	40.963	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2021	3	19	0.7840	44.436	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2021	3	20	0.7980	51.680	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2021	3	21	0.9882	63.996	6.6500	4.7481	64.7605	7.53	0.008655

1	1	50	2021	3	22	1.0499	136.724	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2021	3	23	1.3123	259.584	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2021	3	24	2.2954	19.700	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2021	3	25	1.4392	39.188	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2021	3	26	3.0544	298.537	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2021	3	27	2.5350	69.029	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2021	3	28	0.1242	5.462	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	51	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	51	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2021	1	1	0.1502	4.507	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2021	1	2	0.1005	4.039	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2021	1	3	0.1459	5.865	8.0600	5.7548	40.1957	18.50	0.337320
1	1	51	2021	1	4	0.2588	9.788	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2021	1	5	0.2743	10.373	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2021	1	6	0.1038	3.920	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2021	1	7	0.0996	3.763	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2021	1	8	0.0905	3.303	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2021	1	9	0.0994	3.628	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2021	1	10	0.0990	3.613	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2021	1	11	0.1058	3.863	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2021	1	12	0.1119	4.083	6.8800	4.9123	36.4932	7.07	0.000002

1	1	51	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2021	1	14	0.0362	1.085	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2021	1	15	0.0370	1.785	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2021	1	16	0.0713	3.211	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2021	1	17	0.0800	3.779	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2021	1	18	0.0966	5.475	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2021	1	19	0.1055	5.977	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2021	1	20	0.1277	8.273	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2021	1	21	0.1579	10.225	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2021	1	22	0.1785	23.242	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2021	1	23	0.2004	39.639	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2021	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2021	1	25	0.1708	4.651	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2021	1	26	0.1548	15.131	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2021	1	27	0.2184	5.946	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2021	1	28	0.0940	4.136	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2021	2	1	10.8576	325.855	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2021	2	2	8.6413	347.342	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2021	2	3	9.2117	370.269	8.0600	5.7548	40.1957	18.50	0.337320
1	1	51	2021	2	4	11.4204	431.880	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2021	2	5	11.6944	442.244	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2021	2	6	4.9886	188.421	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2021	2	7	6.2616	236.507	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2021	2	8	6.0943	222.399	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2021	2	9	7.1181	259.762	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2021	2	10	7.0452	257.101	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2021	2	11	8.3723	305.533	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2021	2	12	8.9164	325.388	6.8800	4.9123	36.4932	7.07	0.000002
1	1	51	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2021	2	14	0.4838	14.521	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2021	2	15	0.1981	9.563	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2021	2	16	0.1031	4.646	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2021	2	17	0.1034	4.886	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2021	2	18	0.1559	8.838	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2021	2	19	0.1692	9.592	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2021	2	20	0.1533	9.930	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2021	2	21	0.1901	12.308	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2021	2	22	0.2392	31.149	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2021	2	23	0.2946	58.267	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2021	2	24	8.7128	74.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2021	2	25	9.9285	270.353	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2021	2	26	0.4929	48.176	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2021	2	27	0.3859	10.508	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2021	2	28	0.2868	12.612	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2021	3	1	0.1789	5.369	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2021	3	2	0.1354	5.443	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2021	3	3	0.1903	7.649	8.0600	5.7548	40.1957	18.50	0.337320

1	1	51	2021	3	4	0.3901	14.753	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2021	3	5	0.4912	18.577	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2021	3	6	0.5169	19.524	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2021	3	7	0.5848	22.090	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2021	3	8	0.4688	17.107	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2021	3	9	0.5434	19.832	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2021	3	10	0.5386	19.654	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2021	3	11	0.6006	21.917	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2021	3	12	0.6389	23.317	6.8800	4.9123	36.4932	7.07	0.000002
1	1	51	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2021	3	14	0.0650	1.950	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2021	3	15	0.0465	2.246	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2021	3	16	0.4750	21.402	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2021	3	17	0.4503	21.277	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2021	3	18	0.7408	41.989	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2021	3	19	0.8036	45.550	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2021	3	20	0.8182	52.989	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2021	3	21	1.0132	65.616	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2021	3	22	1.0763	140.158	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2021	3	23	1.3451	266.077	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2021	3	24	2.3384	20.068	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2021	3	25	1.4486	39.445	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2021	3	26	3.1331	306.222	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2021	3	27	2.6002	70.803	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2021	3	28	0.1272	5.593	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	52	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	52	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	52	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	52	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	52	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	52	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	52	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	52	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	52	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	52	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	52	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	52	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	52	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	52	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	52	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	52	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	52	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	52	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	52	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278

1	1	52	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	52	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	52	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	52	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	52	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2021	1	1	0.1495	4.488	7.2800	5.3799	30.0117	24.10	0.281246
1	1	52	2021	1	2	0.1001	4.025	8.0600	5.7548	40.1957	18.50	0.101405
1	1	52	2021	1	3	0.1458	5.861	8.0600	5.7548	40.1957	18.50	0.337320
1	1	52	2021	1	4	0.2583	9.767	8.0600	5.7548	37.8166	14.20	0.103547
1	1	52	2021	1	5	0.2736	10.345	8.0600	5.7548	37.8166	14.20	0.047578
1	1	52	2021	1	6	0.1025	3.873	6.8800	4.9123	37.7707	10.13	0.027524
1	1	52	2021	1	7	0.0984	3.717	6.8800	4.9123	37.7707	9.39	0.000969
1	1	52	2021	1	8	0.0894	3.264	6.8800	4.9123	36.4932	9.35	0.000281
1	1	52	2021	1	9	0.0983	3.587	6.8800	4.9123	36.4931	8.01	0.000959
1	1	52	2021	1	10	0.0979	3.572	6.8800	4.9123	36.4932	8.14	0.001996
1	1	52	2021	1	11	0.1046	3.819	6.8800	4.9123	36.4932	7.45	0.000819
1	1	52	2021	1	12	0.1106	4.037	6.8800	4.9123	36.4932	7.07	0.000002
1	1	52	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	52	2021	1	14	0.0360	1.080	7.2800	5.1979	30.0117	32.40	0.000028
1	1	52	2021	1	15	0.0368	1.776	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2021	1	16	0.0707	3.185	6.6500	4.7481	45.0549	12.96	0.008198
1	1	52	2021	1	17	0.0793	3.748	6.6500	4.7481	47.2522	11.66	0.002544
1	1	52	2021	1	18	0.0958	5.430	6.6500	4.7481	56.6821	10.20	0.002699
1	1	52	2021	1	19	0.1046	5.928	6.6500	4.7481	56.6821	9.88	0.001293
1	1	52	2021	1	20	0.1267	8.205	6.6500	4.7481	64.7605	8.71	0.006032
1	1	52	2021	1	21	0.1566	10.140	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2021	1	22	0.1770	23.050	6.6500	4.7481	130.2221	6.59	0.010278
1	1	52	2021	1	23	0.1987	39.312	6.6500	4.7481	197.8148	6.30	0.036527
1	1	52	2021	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2021	1	25	0.1686	4.592	6.8800	4.9123	27.2301	6.45	0.000303
1	1	52	2021	1	26	0.1535	15.006	6.6500	4.7481	97.7390	4.36	0.003655
1	1	52	2021	1	27	0.2166	5.897	6.6500	4.7481	27.2301	6.18	0.007008
1	1	52	2021	1	28	0.0936	4.116	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2021	2	1	10.9058	327.303	7.2800	5.3799	30.0117	24.10	0.281246
1	1	52	2021	2	2	8.6868	349.172	8.0600	5.7548	40.1957	18.50	0.101405
1	1	52	2021	2	3	9.2605	372.232	8.0600	5.7548	40.1957	18.50	0.337320
1	1	52	2021	2	4	11.4843	434.297	8.0600	5.7548	37.8166	14.20	0.103547
1	1	52	2021	2	5	11.7594	444.702	8.0600	5.7548	37.8166	14.20	0.047578
1	1	52	2021	2	6	5.0672	191.391	6.8800	4.9123	37.7707	10.13	0.027524
1	1	52	2021	2	7	6.3603	240.234	6.8800	4.9123	37.7707	9.39	0.000969
1	1	52	2021	2	8	6.1903	225.904	6.8800	4.9123	36.4932	9.35	0.000281
1	1	52	2021	2	9	7.2303	263.856	6.8800	4.9123	36.4931	8.01	0.000959
1	1	52	2021	2	10	7.1562	261.153	6.8800	4.9123	36.4932	8.14	0.001996
1	1	52	2021	2	11	8.5043	310.348	6.8800	4.9123	36.4932	7.45	0.000819
1	1	52	2021	2	12	9.0569	330.516	6.8800	4.9123	36.4932	7.07	0.000002
1	1	52	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	52	2021	2	14	0.4856	14.574	7.2800	5.1979	30.0117	32.40	0.000028
1	1	52	2021	2	15	0.1989	9.604	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2021	2	16	0.1038	4.678	6.6500	4.7481	45.0549	12.96	0.008198
1	1	52	2021	2	17	0.1041	4.920	6.6500	4.7481	47.2522	11.66	0.002544
1	1	52	2021	2	18	0.1570	8.899	6.6500	4.7481	56.6821	10.20	0.002699
1	1	52	2021	2	19	0.1704	9.658	6.6500	4.7481	56.6821	9.88	0.001293
1	1	52	2021	2	20	0.1544	9.998	6.6500	4.7481	64.7605	8.71	0.006032
1	1	52	2021	2	21	0.1914	12.393	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2021	2	22	0.2409	31.364	6.6500	4.7481	130.2221	6.59	0.010278
1	1	52	2021	2	23	0.2966	58.669	6.6500	4.7481	197.8148	6.30	0.036527
1	1	52	2021	2	24	8.7128	74.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2021	2	25	10.0849	274.614	6.8800	4.9123	27.2301	6.45	0.000303
1	1	52	2021	2	26	0.4963	48.509	6.6500	4.7481	97.7390	4.36	0.003655
1	1	52	2021	2	27	0.3886	10.581	6.6500	4.7481	27.2301	6.18	0.007008
1	1	52	2021	2	28	0.2879	12.662	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2021	3	1	0.1798	5.395	7.2800	5.3799	30.0117	24.10	0.281246
1	1	52	2021	3	2	0.1361	5.471	8.0600	5.7548	40.1957	18.50	0.101405
1	1	52	2021	3	3	0.1911	7.683	8.0600	5.7548	40.1957	18.50	0.337320
1	1	52	2021	3	4	0.3915	14.805	8.0600	5.7548	37.8166	14.20	0.103547
1	1	52	2021	3	5	0.4925	18.626	8.0600	5.7548	37.8166	14.20	0.047578
1	1	52	2021	3	6	0.5201	19.646	6.8800	4.9123	37.7707	10.13	0.027524
1	1	52	2021	3	7	0.5885	22.228	6.8800	4.9123	37.7707	9.39	0.000969
1	1	52	2021	3	8	0.4717	17.214	6.8800	4.9123	36.4932	9.35	0.000281
1	1	52	2021	3	9	0.5469	19.956	6.8800	4.9123	36.4931	8.01	0.000959
1	1	52	2021	3	10	0.5419	19.777	6.8800	4.9123	36.4932	8.14	0.001996
1	1	52	2021	3	11	0.6043	22.054	6.8800	4.9123	36.4932	7.45	0.000819
1	1	52	2021	3	12	0.6429	23.463	6.8800	4.9123	36.4932	7.07	0.000002
1	1	52	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	52	2021	3	14	0.0664	1.994	7.2800	5.1979	30.0117	32.40	0.000028
1	1	52	2021	3	15	0.0476	2.297	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2021	3	16	0.4862	21.906	6.6500	4.7481	45.0549	12.96	0.008198
1	1	52	2021	3	17	0.4609	21.778	6.6500	4.7481	47.2522	11.66	0.002544
1	1	52	2021	3	18	0.7582	42.979	6.6500	4.7481	56.6821	10.20	0.002699
1	1	52	2021	3	19	0.8225	46.624	6.6500	4.7481	56.6821	9.88	0.001293
1	1	52	2021	3	20	0.8377	54.250	6.6500	4.7481	64.7605	8.71	0.006032
1	1	52	2021	3	21	1.0373	67.178	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2021	3	22	1.1017	143.467	6.6500	4.7481	130.2221	6.59	0.010278
1	1	52	2021	3	23	1.3767	272.335	6.6500	4.7481	197.8148	6.30	0.036527
1	1	52	2021	3	24	2.3797	20.423	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2021	3	25	1.4577	39.692	6.8800	4.9123	27.2301	6.45	0.000303
1	1	52	2021	3	26	3.2088	313.627	6.6500	4.7481	97.7390	4.36	0.003655
1	1	52	2021	3	27	2.6629	72.512	6.6500	4.7481	27.2301	6.18	0.007008
1	1	52	2021	3	28	0.1301	5.720	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	53	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	53	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	53	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547

1	1	53	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	53	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	53	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2021	1	1	0.1490	4.472	7.2800	5.3799	30.0117	24.10	0.281246
1	1	53	2021	1	2	0.0999	4.014	8.0600	5.7548	40.1957	18.50	0.101405
1	1	53	2021	1	3	0.1458	5.861	8.0600	5.7548	40.1957	18.50	0.337320
1	1	53	2021	1	4	0.2578	9.750	8.0600	5.7548	37.8166	14.20	0.103547
1	1	53	2021	1	5	0.2729	10.319	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2021	1	6	0.1018	3.845	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2021	1	7	0.0977	3.690	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2021	1	8	0.0888	3.241	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2021	1	9	0.0976	3.563	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2021	1	10	0.0972	3.548	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2021	1	11	0.1040	3.795	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2021	1	12	0.1100	4.013	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2021	1	14	0.0359	1.078	7.2800	5.1979	30.0117	32.40	0.000028
1	1	53	2021	1	15	0.0367	1.770	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2021	1	16	0.0704	3.170	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2021	1	17	0.0789	3.730	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2021	1	18	0.0953	5.404	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2021	1	19	0.1041	5.900	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2021	1	20	0.1261	8.166	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2021	1	21	0.1558	10.093	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2021	1	22	0.1762	22.942	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2021	1	23	0.1978	39.128	6.6500	4.7481	197.8148	6.30	0.036527

1	1	53	2021	1	24	1.8080	15.517	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2021	1	25	0.1674	4.559	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2021	1	26	0.1528	14.936	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2021	1	27	0.2156	5.870	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2021	1	28	0.0933	4.105	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2021	2	1	10.9617	328.979	7.2800	5.3799	30.0117	24.10	0.281246
1	1	53	2021	2	2	8.7395	351.289	8.0600	5.7548	40.1957	18.50	0.101405
1	1	53	2021	2	3	9.3170	374.503	8.0600	5.7548	40.1957	18.50	0.337320
1	1	53	2021	2	4	11.5583	437.095	8.0600	5.7548	37.8166	14.20	0.103547
1	1	53	2021	2	5	11.8346	447.546	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2021	2	6	5.2335	197.672	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2021	2	7	6.5691	248.118	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2021	2	8	6.3935	233.318	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2021	2	9	7.4676	272.515	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2021	2	10	7.3911	269.724	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2021	2	11	8.7834	320.534	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2021	2	12	9.3542	341.363	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2021	2	14	0.4904	14.717	7.2800	5.1979	30.0117	32.40	0.000028
1	1	53	2021	2	15	0.2012	9.714	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2021	2	16	0.1058	4.765	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2021	2	17	0.1060	5.011	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2021	2	18	0.1599	9.064	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2021	2	19	0.1736	9.838	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2021	2	20	0.1573	10.184	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2021	2	21	0.1949	12.623	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2021	2	22	0.2453	31.948	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2021	2	23	0.3021	59.761	6.6500	4.7481	197.8148	6.30	0.036527
1	1	53	2021	2	24	9.8562	84.588	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2021	2	25	10.4159	283.626	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2021	2	26	0.5055	49.411	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2021	2	27	0.3958	10.777	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2021	2	28	0.2910	12.796	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2021	3	1	0.1807	5.424	7.2800	5.3799	30.0117	24.10	0.281246
1	1	53	2021	3	2	0.1369	5.503	8.0600	5.7548	40.1957	18.50	0.101405
1	1	53	2021	3	3	0.1922	7.724	8.0600	5.7548	40.1957	18.50	0.337320
1	1	53	2021	3	4	0.3931	14.866	8.0600	5.7548	37.8166	14.20	0.103547
1	1	53	2021	3	5	0.4941	18.685	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2021	3	6	0.5239	19.788	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2021	3	7	0.5928	22.389	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2021	3	8	0.4751	17.338	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2021	3	9	0.5508	20.100	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2021	3	10	0.5458	19.920	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2021	3	11	0.6087	22.213	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2021	3	12	0.6476	23.632	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2021	3	14	0.0689	2.069	7.2800	5.1979	30.0117	32.40	0.000028

1	1	53	2021	3	15	0.0494	2.385	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2021	3	16	0.5053	22.767	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2021	3	17	0.4790	22.634	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2021	3	18	0.7880	44.666	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2021	3	19	0.8548	48.454	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2021	3	20	0.8709	56.400	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2021	3	21	1.0784	69.840	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2021	3	22	1.1451	149.112	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2021	3	23	1.4307	283.007	6.6500	4.7481	197.8148	6.30	0.036527
1	1	53	2021	3	24	2.4276	20.834	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2021	3	25	1.4682	39.978	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2021	3	26	3.3380	326.256	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2021	3	27	2.7700	75.428	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2021	3	28	0.1350	5.935	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	54	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2021	1	1	0.1485	4.456	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2021	1	2	0.0996	4.003	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2021	1	3	0.1458	5.860	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2021	1	4	0.2574	9.732	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2021	1	5	0.2722	10.295	8.0600	5.7548	37.8166	14.20	0.047578

1	1	54	2021	1	6	0.1011	3.819	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2021	1	7	0.0970	3.663	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2021	1	8	0.0882	3.219	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2021	1	9	0.0970	3.541	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2021	1	10	0.0966	3.526	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2021	1	11	0.1034	3.772	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2021	1	12	0.1093	3.990	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2021	1	14	0.0358	1.075	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2021	1	15	0.0366	1.765	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2021	1	16	0.0700	3.155	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2021	1	17	0.0786	3.714	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2021	1	18	0.0949	5.380	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2021	1	19	0.1036	5.874	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2021	1	20	0.1255	8.130	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2021	1	21	0.1551	10.047	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2021	1	22	0.1754	22.838	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2021	1	23	0.1969	38.951	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2021	1	24	1.8775	16.114	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2021	1	25	0.1663	4.528	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2021	1	26	0.1521	14.869	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2021	1	27	0.2146	5.843	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2021	1	28	0.0931	4.094	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2021	2	1	11.0156	330.596	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2021	2	2	8.7903	353.332	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2021	2	3	9.3715	376.695	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2021	2	4	11.6297	439.795	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2021	2	5	11.9072	450.290	8.0600	5.7548	37.8166	14.20	0.047578
1	1	54	2021	2	6	5.3939	203.732	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2021	2	7	6.7705	255.725	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2021	2	8	6.5895	240.471	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2021	2	9	7.6965	280.871	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2021	2	10	7.6177	277.993	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2021	2	11	9.0527	330.361	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2021	2	12	9.6410	351.829	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2021	2	14	0.4950	14.855	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2021	2	15	0.2034	9.821	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2021	2	16	0.1076	4.849	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2021	2	17	0.1079	5.099	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2021	2	18	0.1627	9.224	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2021	2	19	0.1766	10.011	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2021	2	20	0.1600	10.364	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2021	2	21	0.1984	12.846	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2021	2	22	0.2497	32.511	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2021	2	23	0.3074	60.814	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2021	2	24	10.9595	94.057	1.3500	0.9639	8.5822	50.00	0.002374

1	1	54	2021	2	25	10.7353	292.323	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2021	2	26	0.5145	50.282	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2021	2	27	0.4028	10.967	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2021	2	28	0.2940	12.927	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2021	3	1	0.1817	5.453	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2021	3	2	0.1377	5.535	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2021	3	3	0.1931	7.763	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2021	3	4	0.3947	14.926	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2021	3	5	0.4956	18.743	8.0600	5.7548	37.8166	14.20	0.047578
1	1	54	2021	3	6	0.5275	19.924	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2021	3	7	0.5968	22.543	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2021	3	8	0.4784	17.458	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2021	3	9	0.5546	20.239	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2021	3	10	0.5496	20.057	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2021	3	11	0.6129	22.366	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2021	3	12	0.6521	23.796	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2021	3	14	0.0713	2.141	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2021	3	15	0.0512	2.470	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2021	3	16	0.5237	23.596	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2021	3	17	0.4965	23.459	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2021	3	18	0.8167	46.295	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2021	3	19	0.8860	50.221	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2021	3	20	0.9029	58.475	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2021	3	21	1.1181	72.410	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2021	3	22	1.1869	154.558	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2021	3	23	1.4827	293.304	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2021	3	24	2.4738	21.231	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2021	3	25	1.4783	40.254	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2021	3	26	3.4627	338.443	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2021	3	27	2.8734	78.242	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2021	3	28	0.1397	6.143	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	55	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518

1	1	55	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	55	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2021	1	1	0.1480	4.441	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2021	1	2	0.0993	3.992	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2021	1	3	0.1458	5.860	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2021	1	4	0.2569	9.716	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2021	1	5	0.2716	10.271	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2021	1	6	0.1004	3.793	6.8800	4.9123	37.7707	10.13	0.027524
1	1	55	2021	1	7	0.0963	3.638	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2021	1	8	0.0876	3.198	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2021	1	9	0.0964	3.519	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2021	1	10	0.0960	3.504	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2021	1	11	0.1028	3.750	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2021	1	12	0.1087	3.967	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2021	1	14	0.0357	1.073	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2021	1	15	0.0364	1.760	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2021	1	16	0.0697	3.142	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2021	1	17	0.0782	3.697	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2021	1	18	0.0945	5.356	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2021	1	19	0.1032	5.848	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2021	1	20	0.1250	8.094	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2021	1	21	0.1545	10.003	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2021	1	22	0.1746	22.738	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2021	1	23	0.1960	38.781	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2021	1	24	1.9447	16.690	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2021	1	25	0.1652	4.497	6.8800	4.9123	27.2301	6.45	0.000303
1	1	55	2021	1	26	0.1515	14.804	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2021	1	27	0.2136	5.818	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2021	1	28	0.0929	4.084	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2021	2	1	11.0676	332.158	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2021	2	2	8.8394	355.304	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2021	2	3	9.4242	378.811	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2021	2	4	11.6986	442.401	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2021	2	5	11.9773	452.940	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2021	2	6	5.5489	209.584	6.8800	4.9123	37.7707	10.13	0.027524

1	1	55	2021	2	7	6.9649	263.071	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2021	2	8	6.7788	247.378	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2021	2	9	7.9176	288.938	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2021	2	10	7.8365	285.978	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2021	2	11	9.3127	339.850	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2021	2	12	9.9179	361.934	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2021	2	14	0.4994	14.989	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2021	2	15	0.2055	9.924	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2021	2	16	0.1094	4.930	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2021	2	17	0.1097	5.185	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2021	2	18	0.1655	9.378	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2021	2	19	0.1796	10.179	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2021	2	20	0.1627	10.537	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2021	2	21	0.2017	13.061	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2021	2	22	0.2538	33.054	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2021	2	23	0.3126	61.831	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2021	2	24	12.0248	103.200	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2021	2	25	11.0436	300.719	6.8800	4.9123	27.2301	6.45	0.000303
1	1	55	2021	2	26	0.5231	51.123	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2021	2	27	0.4095	11.151	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2021	2	28	0.2968	13.052	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2021	3	1	0.1826	5.480	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2021	3	2	0.1384	5.565	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2021	3	3	0.1941	7.801	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2021	3	4	0.3962	14.983	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2021	3	5	0.4971	18.798	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2021	3	6	0.5310	20.056	6.8800	4.9123	37.7707	10.13	0.027524
1	1	55	2021	3	7	0.6008	22.693	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2021	3	8	0.4816	17.574	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2021	3	9	0.5583	20.373	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2021	3	10	0.5533	20.190	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2021	3	11	0.6170	22.514	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2021	3	12	0.6564	23.953	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2021	3	14	0.0737	2.210	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2021	3	15	0.0529	2.552	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2021	3	16	0.5415	24.398	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2021	3	17	0.5133	24.255	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2021	3	18	0.8445	47.867	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2021	3	19	0.9161	51.926	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2021	3	20	0.9339	60.478	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2021	3	21	1.1564	74.890	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2021	3	22	1.2273	159.816	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2021	3	23	1.5330	303.246	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2021	3	24	2.5184	21.614	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2021	3	25	1.4881	40.521	6.8800	4.9123	27.2301	6.45	0.000303

1	1	55	2021	3	26	3.5831	350.209	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2021	3	27	2.9731	80.958	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2021	3	28	0.1443	6.344	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	56	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	56	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2021	1	1	0.1475	4.426	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2021	1	2	0.0991	3.982	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2021	1	3	0.1458	5.860	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2021	1	4	0.2565	9.700	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2021	1	5	0.2710	10.248	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2021	1	6	0.0998	3.768	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2021	1	7	0.0957	3.613	6.8800	4.9123	37.7707	9.39	0.000969
1	1	56	2021	1	8	0.0871	3.178	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2021	1	9	0.0959	3.498	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2021	1	10	0.0954	3.483	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2021	1	11	0.1022	3.729	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2021	1	12	0.1081	3.946	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2021	1	14	0.0357	1.070	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2021	1	15	0.0363	1.755	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2021	1	16	0.0694	3.128	6.6500	4.7481	45.0549	12.96	0.008198

1	1	56	2021	1	17	0.0779	3.682	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2021	1	18	0.0941	5.334	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2021	1	19	0.1027	5.823	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2021	1	20	0.1245	8.060	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2021	1	21	0.1538	9.961	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2021	1	22	0.1739	22.642	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2021	1	23	0.1952	38.616	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2021	1	24	2.0096	17.247	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2021	1	25	0.1641	4.468	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2021	1	26	0.1508	14.741	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2021	1	27	0.2127	5.793	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2021	1	28	0.0926	4.074	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2021	2	1	11.1179	333.666	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2021	2	2	8.8868	357.209	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2021	2	3	9.4750	380.855	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2021	2	4	11.7652	444.920	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2021	2	5	12.0450	455.500	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2021	2	6	5.6985	215.238	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2021	2	7	7.1528	270.167	6.8800	4.9123	37.7707	9.39	0.000969
1	1	56	2021	2	8	6.9616	254.051	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2021	2	9	8.1312	296.732	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2021	2	10	8.0479	293.692	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2021	2	11	9.5639	349.017	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2021	2	12	10.1854	371.697	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2021	2	14	0.5037	15.118	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2021	2	15	0.2076	10.024	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2021	2	16	0.1112	5.009	6.6500	4.7481	45.0549	12.96	0.008198
1	1	56	2021	2	17	0.1115	5.267	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2021	2	18	0.1681	9.527	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2021	2	19	0.1824	10.341	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2021	2	20	0.1653	10.705	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2021	2	21	0.2049	13.268	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2021	2	22	0.2579	33.580	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2021	2	23	0.3175	62.813	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2021	2	24	13.0540	112.032	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2021	2	25	11.3415	308.831	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2021	2	26	0.5314	51.935	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2021	2	27	0.4160	11.328	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2021	2	28	0.2996	13.174	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2021	3	1	0.1835	5.507	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2021	3	2	0.1392	5.594	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2021	3	3	0.1950	7.837	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2021	3	4	0.3977	15.038	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2021	3	5	0.4985	18.852	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2021	3	6	0.5344	20.184	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2021	3	7	0.6046	22.837	6.8800	4.9123	37.7707	9.39	0.000969

1	1	56	2021	3	8	0.4846	17.685	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2021	3	9	0.5618	20.503	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2021	3	10	0.5568	20.318	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2021	3	11	0.6209	22.658	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2021	3	12	0.6605	24.105	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2021	3	14	0.0759	2.278	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2021	3	15	0.0545	2.631	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2021	3	16	0.5587	25.172	6.6500	4.7481	45.0549	12.96	0.008198
1	1	56	2021	3	17	0.5296	25.025	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2021	3	18	0.8713	49.386	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2021	3	19	0.9452	53.574	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2021	3	20	0.9638	62.413	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2021	3	21	1.1934	77.287	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2021	3	22	1.2663	164.896	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2021	3	23	1.5815	312.852	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2021	3	24	2.5615	21.984	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2021	3	25	1.4975	40.778	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2021	3	26	3.6994	361.576	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2021	3	27	3.0695	83.583	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2021	3	28	0.1487	6.538	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	57	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655

1	1	57	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2021	1	1	0.1470	4.412	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2021	1	2	0.0988	3.973	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2021	1	3	0.1458	5.860	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2021	1	4	0.2561	9.685	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2021	1	5	0.2704	10.225	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2021	1	6	0.0991	3.744	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2021	1	7	0.0950	3.590	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2021	1	8	0.0865	3.158	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2021	1	9	0.0953	3.478	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2021	1	10	0.0949	3.463	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2021	1	11	0.1016	3.708	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2021	1	12	0.1075	3.925	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2021	1	14	0.0356	1.068	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2021	1	15	0.0362	1.750	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2021	1	16	0.0691	3.115	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2021	1	17	0.0776	3.666	6.6500	4.7481	47.2522	11.66	0.002544
1	1	57	2021	1	18	0.0937	5.312	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2021	1	19	0.1023	5.799	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2021	1	20	0.1239	8.026	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2021	1	21	0.1532	9.919	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2021	1	22	0.1732	22.548	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2021	1	23	0.1944	38.456	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2021	1	24	2.0723	17.785	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2021	1	25	0.1630	4.439	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2021	1	26	0.1502	14.680	6.6500	4.7481	97.7390	4.36	0.003655
1	1	57	2021	1	27	0.2119	5.769	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2021	1	28	0.0924	4.065	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2021	2	1	11.1665	335.125	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2021	2	2	8.9326	359.051	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2021	2	3	9.5242	382.832	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2021	2	4	11.8295	447.354	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2021	2	5	12.1104	457.975	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2021	2	6	5.8432	220.703	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2021	2	7	7.3344	277.026	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2021	2	8	7.1384	260.502	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2021	2	9	8.3376	304.266	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2021	2	10	8.2522	301.149	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2021	2	11	9.8067	357.879	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2021	2	12	10.4440	381.135	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2021	2	14	0.5079	15.242	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2021	2	15	0.2096	10.120	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2021	2	16	0.1128	5.084	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2021	2	17	0.1131	5.347	6.6500	4.7481	47.2522	11.66	0.002544

1	1	57	2021	2	18	0.1706	9.671	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2021	2	19	0.1852	10.497	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2021	2	20	0.1678	10.866	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2021	2	21	0.2080	13.469	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2021	2	22	0.2618	34.087	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2021	2	23	0.3223	63.763	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2021	2	24	14.0488	120.570	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2021	2	25	11.6295	316.672	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2021	2	26	0.5394	52.720	6.6500	4.7481	97.7390	4.36	0.003655
1	1	57	2021	2	27	0.4223	11.499	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2021	2	28	0.3022	13.291	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2021	3	1	0.1843	5.533	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2021	3	2	0.1399	5.622	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2021	3	3	0.1959	7.873	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2021	3	4	0.3991	15.092	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2021	3	5	0.4999	18.904	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2021	3	6	0.5376	20.307	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2021	3	7	0.6083	22.976	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2021	3	8	0.4876	17.793	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2021	3	9	0.5652	20.628	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2021	3	10	0.5602	20.442	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2021	3	11	0.6247	22.796	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2021	3	12	0.6646	24.252	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2021	3	14	0.0781	2.343	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2021	3	15	0.0561	2.708	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2021	3	16	0.5753	25.920	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2021	3	17	0.5453	25.769	6.6500	4.7481	47.2522	11.66	0.002544
1	1	57	2021	3	18	0.8972	50.854	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2021	3	19	0.9733	55.167	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2021	3	20	0.9926	64.284	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2021	3	21	1.2292	79.604	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2021	3	22	1.3040	169.807	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2021	3	23	1.6285	322.137	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2021	3	24	2.6032	22.341	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2021	3	25	1.5067	41.027	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2021	3	26	3.8118	372.565	6.6500	4.7481	97.7390	4.36	0.003655
1	1	57	2021	3	27	3.1627	86.120	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2021	3	28	0.1529	6.726	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281

1	1	58	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	58	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	58	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2021	1	1	0.1466	4.400	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2021	1	2	0.0986	3.964	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2021	1	3	0.1459	5.863	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2021	1	4	0.2558	9.672	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2021	1	5	0.2698	10.205	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2021	1	6	0.0991	3.742	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2021	1	7	0.0949	3.586	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2021	1	8	0.0864	3.155	6.8800	4.9123	36.4932	9.35	0.000281
1	1	58	2021	1	9	0.0953	3.477	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2021	1	10	0.0949	3.462	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2021	1	11	0.1016	3.709	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2021	1	12	0.1076	3.927	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2021	1	14	0.0356	1.068	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2021	1	15	0.0362	1.750	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2021	1	16	0.0691	3.115	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2021	1	17	0.0776	3.666	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2021	1	18	0.0937	5.312	6.6500	4.7481	56.6821	10.20	0.002699
1	1	58	2021	1	19	0.1023	5.799	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2021	1	20	0.1239	8.026	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2021	1	21	0.1532	9.919	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2021	1	22	0.1732	22.548	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2021	1	23	0.1944	38.456	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2021	1	24	2.1440	18.400	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2021	1	25	0.1630	4.439	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2021	1	26	0.1502	14.680	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2021	1	27	0.2119	5.769	6.6500	4.7481	27.2301	6.18	0.007008

1	1	58	2021	1	28	0.0924	4.065	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2021	2	1	11.2220	336.791	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2021	2	2	8.9850	361.157	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2021	2	3	9.5804	385.091	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2021	2	4	11.9031	450.136	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2021	2	5	12.1852	460.804	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2021	2	6	6.1151	230.973	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2021	2	7	7.6757	289.918	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2021	2	8	7.4705	272.624	6.8800	4.9123	36.4932	9.35	0.000281
1	1	58	2021	2	9	8.7256	318.425	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2021	2	10	8.6362	315.163	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2021	2	11	10.2631	374.533	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2021	2	12	10.9300	398.871	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2021	2	14	0.5160	15.487	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2021	2	15	0.2135	10.309	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2021	2	16	0.1162	5.233	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2021	2	17	0.1165	5.503	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2021	2	18	0.1756	9.955	6.6500	4.7481	56.6821	10.20	0.002699
1	1	58	2021	2	19	0.1906	10.804	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2021	2	20	0.1727	11.185	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2021	2	21	0.2141	13.863	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2021	2	22	0.2694	35.085	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2021	2	23	0.3318	65.630	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2021	2	24	15.1860	130.329	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2021	2	25	12.1706	331.408	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2021	2	26	0.5552	54.264	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2021	2	27	0.4347	11.836	6.6500	4.7481	27.2301	6.18	0.007008
1	1	58	2021	2	28	0.3075	13.522	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2021	3	1	0.1853	5.562	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2021	3	2	0.1407	5.654	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2021	3	3	0.1969	7.913	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2021	3	4	0.4007	15.153	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2021	3	5	0.5015	18.963	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2021	3	6	0.5414	20.448	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2021	3	7	0.6125	23.136	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2021	3	8	0.4910	17.917	6.8800	4.9123	36.4932	9.35	0.000281
1	1	58	2021	3	9	0.5692	20.771	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2021	3	10	0.5641	20.584	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2021	3	11	0.6290	22.954	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2021	3	12	0.6692	24.421	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2021	3	14	0.0817	2.451	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2021	3	15	0.0587	2.835	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2021	3	16	0.6030	27.169	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2021	3	17	0.5716	27.010	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2021	3	18	0.9404	53.303	6.6500	4.7481	56.6821	10.20	0.002699

1	1	58	2021	3	19	1.0201	57.824	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2021	3	20	1.0408	67.405	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2021	3	21	1.2889	83.469	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2021	3	22	1.3669	177.999	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2021	3	23	1.7068	337.626	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2021	3	24	2.6508	22.750	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2021	3	25	1.5171	41.312	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2021	3	26	3.9994	390.895	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2021	3	27	3.3181	90.352	6.6500	4.7481	27.2301	6.18	0.007008
1	1	58	2021	3	28	0.1601	7.038	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	59	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2021	1	1	0.1462	4.389	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2021	1	2	0.0984	3.957	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2021	1	3	0.1459	5.866	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2021	1	4	0.2554	9.660	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2021	1	5	0.2693	10.185	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2021	1	6	0.0990	3.739	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2021	1	7	0.0948	3.582	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2021	1	8	0.0864	3.152	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2021	1	9	0.0953	3.476	6.8800	4.9123	36.4931	8.01	0.000959

1	1	59	2021	1	10	0.0948	3.461	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2021	1	11	0.1017	3.710	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2021	1	12	0.1077	3.929	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2021	1	14	0.0356	1.068	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2021	1	15	0.0362	1.750	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2021	1	16	0.0691	3.115	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2021	1	17	0.0776	3.666	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2021	1	18	0.0937	5.312	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2021	1	19	0.1023	5.799	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2021	1	20	0.1239	8.026	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2021	1	21	0.1532	9.919	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2021	1	22	0.1732	22.548	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2021	1	23	0.1944	38.456	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2021	1	24	2.2134	18.996	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2021	1	25	0.1630	4.439	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2021	1	26	0.1502	14.680	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2021	1	27	0.2119	5.769	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2021	1	28	0.0924	4.065	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2021	2	1	11.2757	338.404	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2021	2	2	9.0357	363.195	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2021	2	3	9.6348	387.277	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2021	2	4	11.9743	452.829	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2021	2	5	12.2576	463.541	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2021	2	6	6.3783	240.912	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2021	2	7	8.0060	302.393	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2021	2	8	7.7920	284.355	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2021	2	9	9.1011	332.127	6.8800	4.9123	36.4931	8.01	0.000959
1	1	59	2021	2	10	9.0078	328.725	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2021	2	11	10.7047	390.649	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2021	2	12	11.4003	416.035	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2021	2	14	0.5239	15.724	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2021	2	15	0.2173	10.492	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2021	2	16	0.1194	5.377	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2021	2	17	0.1197	5.655	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2021	2	18	0.1805	10.229	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2021	2	19	0.1959	11.102	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2021	2	20	0.1775	11.493	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2021	2	21	0.2200	14.245	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2021	2	22	0.2768	36.051	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2021	2	23	0.3409	67.437	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2021	2	24	16.2865	139.774	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2021	2	25	12.6943	345.669	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2021	2	26	0.5705	55.758	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2021	2	27	0.4466	12.162	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2021	2	28	0.3126	13.745	8.0600	5.7548	43.9743	17.00	0.002242

1	1	59	2021	3	1	0.1863	5.590	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2021	3	2	0.1414	5.685	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2021	3	3	0.1978	7.952	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2021	3	4	0.4023	15.212	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2021	3	5	0.5030	19.021	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2021	3	6	0.5450	20.584	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2021	3	7	0.6166	23.290	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2021	3	8	0.4942	18.036	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2021	3	9	0.5730	20.909	6.8800	4.9123	36.4931	8.01	0.000959
1	1	59	2021	3	10	0.5678	20.721	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2021	3	11	0.6332	23.107	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2021	3	12	0.6736	24.583	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2021	3	14	0.0852	2.556	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2021	3	15	0.0613	2.959	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2021	3	16	0.6298	28.377	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2021	3	17	0.5970	28.211	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2021	3	18	0.9822	55.673	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2021	3	19	1.0655	60.395	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2021	3	20	1.0875	70.425	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2021	3	21	1.3466	87.209	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2021	3	22	1.4278	185.926	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2021	3	23	1.7826	352.615	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2021	3	24	2.6969	23.145	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2021	3	25	1.5273	41.587	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2021	3	26	4.1809	408.634	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2021	3	27	3.4685	94.447	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2021	3	28	0.1669	7.341	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	60	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293

1	1	60	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2021	1	1	0.1459	4.377	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2021	1	2	0.0982	3.949	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2021	1	3	0.1460	5.868	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2021	1	4	0.2551	9.648	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2021	1	5	0.2688	10.165	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2021	1	6	0.0989	3.736	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2021	1	7	0.0947	3.579	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2021	1	8	0.0863	3.149	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2021	1	9	0.0952	3.475	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2021	1	10	0.0948	3.460	6.8800	4.9123	36.4932	8.14	0.001996
1	1	60	2021	1	11	0.1017	3.711	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2021	1	12	0.1077	3.932	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2021	1	14	0.0356	1.068	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2021	1	15	0.0362	1.750	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2021	1	16	0.0691	3.115	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2021	1	17	0.0776	3.666	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2021	1	18	0.0937	5.312	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2021	1	19	0.1023	5.799	6.6500	4.7481	56.6821	9.88	0.001293
1	1	60	2021	1	20	0.1239	8.026	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2021	1	21	0.1532	9.919	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2021	1	22	0.1732	22.548	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2021	1	23	0.1944	38.456	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2021	1	24	2.2806	19.573	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2021	1	25	0.1630	4.438	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2021	1	26	0.1502	14.680	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2021	1	27	0.2119	5.769	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2021	1	28	0.0924	4.065	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2021	2	1	11.3278	339.966	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2021	2	2	9.0847	365.167	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2021	2	3	9.6874	389.394	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2021	2	4	12.0433	455.436	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2021	2	5	12.3277	466.192	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2021	2	6	6.6331	250.535	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2021	2	7	8.3258	314.472	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2021	2	8	8.1033	295.714	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2021	2	9	9.4646	345.394	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2021	2	10	9.3677	341.856	6.8800	4.9123	36.4932	8.14	0.001996

1	1	60	2021	2	11	11.1323	406.254	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2021	2	12	11.8557	432.653	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2021	2	14	0.5316	15.954	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2021	2	15	0.2210	10.669	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2021	2	16	0.1224	5.517	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2021	2	17	0.1228	5.801	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2021	2	18	0.1851	10.494	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2021	2	19	0.2009	11.390	6.6500	4.7481	56.6821	9.88	0.001293
1	1	60	2021	2	20	0.1821	11.791	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2021	2	21	0.2257	14.614	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2021	2	22	0.2840	36.987	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2021	2	23	0.3498	69.186	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2021	2	24	17.3520	148.919	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2021	2	25	13.2014	359.477	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2021	2	26	0.5853	57.205	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2021	2	27	0.4582	12.477	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2021	2	28	0.3175	13.961	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2021	3	1	0.1872	5.618	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2021	3	2	0.1422	5.715	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2021	3	3	0.1988	7.990	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2021	3	4	0.4038	15.270	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2021	3	5	0.5044	19.076	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2021	3	6	0.5485	20.716	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2021	3	7	0.6206	23.439	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2021	3	8	0.4974	18.152	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2021	3	9	0.5766	21.043	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2021	3	10	0.5715	20.854	6.8800	4.9123	36.4932	8.14	0.001996
1	1	60	2021	3	11	0.6372	23.255	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2021	3	12	0.6780	24.741	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2021	3	14	0.0886	2.658	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2021	3	15	0.0638	3.078	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2021	3	16	0.6558	29.547	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2021	3	17	0.6216	29.374	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2021	3	18	1.0227	57.968	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2021	3	19	1.1094	62.884	6.6500	4.7481	56.6821	9.88	0.001293
1	1	60	2021	3	20	1.1326	73.350	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2021	3	21	1.4025	90.830	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2021	3	22	1.4867	193.602	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2021	3	23	1.8559	367.128	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2021	3	24	2.7415	23.528	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2021	3	25	1.5370	41.854	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2021	3	26	4.3566	425.810	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2021	3	27	3.6141	98.412	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2021	3	28	0.1736	7.634	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246

1	1	61	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	61	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	61	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2021	1	1	0.1455	4.366	7.2800	5.3799	30.0117	24.10	0.281246
1	1	61	2021	1	2	0.0981	3.942	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2021	1	3	0.1461	5.871	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2021	1	4	0.2548	9.636	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2021	1	5	0.2683	10.146	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2021	1	6	0.0989	3.734	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2021	1	7	0.0947	3.575	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2021	1	8	0.0862	3.146	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2021	1	9	0.0952	3.475	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2021	1	10	0.0948	3.459	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2021	1	11	0.1017	3.712	6.8800	4.9123	36.4932	7.45	0.000819
1	1	61	2021	1	12	0.1078	3.934	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2021	1	14	0.0356	1.068	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2021	1	15	0.0362	1.750	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2021	1	16	0.0691	3.115	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2021	1	17	0.0776	3.666	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2021	1	18	0.0937	5.312	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2021	1	19	0.1023	5.799	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2021	1	20	0.1239	8.026	6.6500	4.7481	64.7605	8.71	0.006032

1	1	61	2021	1	21	0.1532	9.919	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2021	1	22	0.1732	22.548	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2021	1	23	0.1944	38.456	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2021	1	24	2.3457	20.131	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2021	1	25	0.1630	4.438	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2021	1	26	0.1502	14.680	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2021	1	27	0.2119	5.769	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2021	1	28	0.0924	4.065	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2021	2	1	11.3782	341.479	7.2800	5.3799	30.0117	24.10	0.281246
1	1	61	2021	2	2	9.1323	367.079	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2021	2	3	9.7385	391.444	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2021	2	4	12.1101	457.962	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2021	2	5	12.3956	468.760	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2021	2	6	6.8799	259.858	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2021	2	7	8.6356	326.174	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2021	2	8	8.4048	306.718	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2021	2	9	9.8168	358.246	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2021	2	10	9.7163	354.577	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2021	2	11	11.5466	421.371	6.8800	4.9123	36.4932	7.45	0.000819
1	1	61	2021	2	12	12.2969	448.753	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2021	2	14	0.5390	16.177	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2021	2	15	0.2245	10.841	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2021	2	16	0.1254	5.652	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2021	2	17	0.1258	5.943	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2021	2	18	0.1897	10.751	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2021	2	19	0.2059	11.669	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2021	2	20	0.1865	12.080	6.6500	4.7481	64.7605	8.71	0.006032
1	1	61	2021	2	21	0.2312	14.972	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2021	2	22	0.2910	37.893	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2021	2	23	0.3583	70.881	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2021	2	24	18.3843	157.778	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2021	2	25	13.6927	372.853	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2021	2	26	0.5996	58.606	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2021	2	27	0.4694	12.783	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2021	2	28	0.3222	14.170	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2021	3	1	0.1881	5.645	7.2800	5.3799	30.0117	24.10	0.281246
1	1	61	2021	3	2	0.1429	5.745	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2021	3	3	0.1997	8.027	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2021	3	4	0.4053	15.325	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2021	3	5	0.5059	19.130	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2021	3	6	0.5519	20.844	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2021	3	7	0.6244	23.584	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2021	3	8	0.5005	18.264	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2021	3	9	0.5802	21.173	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2021	3	10	0.5750	20.983	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2021	3	11	0.6412	23.399	6.8800	4.9123	36.4932	7.45	0.000819

1	1	61	2021	3	12	0.6821	24.894	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2021	3	14	0.0918	2.757	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2021	3	15	0.0662	3.194	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2021	3	16	0.6809	30.680	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2021	3	17	0.6455	30.501	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2021	3	18	1.0619	60.192	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2021	3	19	1.1520	65.296	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2021	3	20	1.1764	76.183	6.6500	4.7481	64.7605	8.71	0.006032
1	1	61	2021	3	21	1.4567	94.338	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2021	3	22	1.5438	201.038	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2021	3	23	1.9270	381.188	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2021	3	24	2.7847	23.899	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2021	3	25	1.5465	42.112	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2021	3	26	4.5268	442.449	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2021	3	27	3.7552	102.254	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2021	3	28	0.1801	7.918	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	62	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	62	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	62	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	62	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	62	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	62	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	62	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	62	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	62	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	62	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	62	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	62	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	62	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	62	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	62	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	62	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	62	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	62	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	62	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	62	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	62	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	62	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	62	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	62	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	62	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2021	1	1	0.1451	4.356	7.2800	5.3799	30.0117	24.10	0.281246
1	1	62	2021	1	2	0.0979	3.935	8.0600	5.7548	40.1957	18.50	0.101405

1	1	62	2021	1	3	0.1461	5.874	8.0600	5.7548	40.1957	18.50	0.337320
1	1	62	2021	1	4	0.2545	9.625	8.0600	5.7548	37.8166	14.20	0.103547
1	1	62	2021	1	5	0.2678	10.128	8.0600	5.7548	37.8166	14.20	0.047578
1	1	62	2021	1	6	0.0988	3.731	6.8800	4.9123	37.7707	10.13	0.027524
1	1	62	2021	1	7	0.0946	3.572	6.8800	4.9123	37.7707	9.39	0.000969
1	1	62	2021	1	8	0.0861	3.143	6.8800	4.9123	36.4932	9.35	0.000281
1	1	62	2021	1	9	0.0952	3.474	6.8800	4.9123	36.4931	8.01	0.000959
1	1	62	2021	1	10	0.0948	3.459	6.8800	4.9123	36.4932	8.14	0.001996
1	1	62	2021	1	11	0.1017	3.712	6.8800	4.9123	36.4932	7.45	0.000819
1	1	62	2021	1	12	0.1079	3.936	6.8800	4.9123	36.4932	7.07	0.000002
1	1	62	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2021	1	14	0.0356	1.068	7.2800	5.1979	30.0117	32.40	0.000028
1	1	62	2021	1	15	0.0362	1.750	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2021	1	16	0.0691	3.115	6.6500	4.7481	45.0549	12.96	0.008198
1	1	62	2021	1	17	0.0776	3.666	6.6500	4.7481	47.2522	11.66	0.002544
1	1	62	2021	1	18	0.0937	5.312	6.6500	4.7481	56.6821	10.20	0.002699
1	1	62	2021	1	19	0.1023	5.799	6.6500	4.7481	56.6821	9.88	0.001293
1	1	62	2021	1	20	0.1239	8.026	6.6500	4.7481	64.7605	8.71	0.006032
1	1	62	2021	1	21	0.1532	9.919	6.6500	4.7481	64.7605	7.53	0.008655
1	1	62	2021	1	22	0.1732	22.548	6.6500	4.7481	130.2221	6.59	0.010278
1	1	62	2021	1	23	0.1944	38.456	6.6500	4.7481	197.8148	6.30	0.036527
1	1	62	2021	1	24	2.4088	20.672	1.3500	0.9639	8.5822	50.00	0.002374
1	1	62	2021	1	25	0.1630	4.438	6.8800	4.9123	27.2301	6.45	0.000303
1	1	62	2021	1	26	0.1502	14.680	6.6500	4.7481	97.7390	4.36	0.003655
1	1	62	2021	1	27	0.2119	5.769	6.6500	4.7481	27.2301	6.18	0.007008
1	1	62	2021	1	28	0.0924	4.065	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2021	2	1	11.4271	342.946	7.2800	5.3799	30.0117	24.10	0.281246
1	1	62	2021	2	2	9.1784	368.931	8.0600	5.7548	40.1957	18.50	0.101405
1	1	62	2021	2	3	9.7879	393.432	8.0600	5.7548	40.1957	18.50	0.337320
1	1	62	2021	2	4	12.1748	460.410	8.0600	5.7548	37.8166	14.20	0.103547
1	1	62	2021	2	5	12.4614	471.249	8.0600	5.7548	37.8166	14.20	0.047578
1	1	62	2021	2	6	7.1191	268.894	6.8800	4.9123	37.7707	10.13	0.027524
1	1	62	2021	2	7	8.9359	337.516	6.8800	4.9123	37.7707	9.39	0.000969
1	1	62	2021	2	8	8.6971	317.383	6.8800	4.9123	36.4932	9.35	0.000281
1	1	62	2021	2	9	10.1582	370.703	6.8800	4.9123	36.4931	8.01	0.000959
1	1	62	2021	2	10	10.0541	366.906	6.8800	4.9123	36.4932	8.14	0.001996
1	1	62	2021	2	11	11.9481	436.023	6.8800	4.9123	36.4932	7.45	0.000819
1	1	62	2021	2	12	12.7245	464.357	6.8800	4.9123	36.4932	7.07	0.000002
1	1	62	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2021	2	14	0.5462	16.392	7.2800	5.1979	30.0117	32.40	0.000028
1	1	62	2021	2	15	0.2280	11.007	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2021	2	16	0.1284	5.783	6.6500	4.7481	45.0549	12.96	0.008198
1	1	62	2021	2	17	0.1287	6.081	6.6500	4.7481	47.2522	11.66	0.002544
1	1	62	2021	2	18	0.1941	11.000	6.6500	4.7481	56.6821	10.20	0.002699
1	1	62	2021	2	19	0.2106	11.939	6.6500	4.7481	56.6821	9.88	0.001293
1	1	62	2021	2	20	0.1909	12.360	6.6500	4.7481	64.7605	8.71	0.006032
1	1	62	2021	2	21	0.2366	15.319	6.6500	4.7481	64.7605	7.53	0.008655

1	1	62	2021	2	22	0.2977	38.771	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	62	2021	2	23	0.3666	72.524	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	62	2021	2	24	19.3848	166.365	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	62	2021	2	25	14.1688	385.818	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	62	2021	2	26	0.6135	59.964	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	62	2021	2	27	0.4803	13.079	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	62	2021	2	28	0.3269	14.373	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	62	2021	3	1	0.1889	5.670	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	62	2021	3	2	0.1436	5.773	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	62	2021	3	3	0.2006	8.062	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	62	2021	3	4	0.4067	15.379	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	62	2021	3	5	0.5072	19.182	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	62	2021	3	6	0.5551	20.968	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	62	2021	3	7	0.6281	23.724	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	62	2021	3	8	0.5034	18.372	6.8800	4.9123	36.4932	9.35
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1	1	62	2021	3	9	0.5836	21.299	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	62	2021	3	10	0.5784	21.108	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	62	2021	3	11	0.6450	23.538	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	62	2021	3	12	0.6862	25.042	6.8800	4.9123	36.4932	7.07
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1	1	62	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
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0.000028											
1	1	62	2021	3	15	0.0685	3.307	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	62	2021	3	16	0.7053	31.778	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	62	2021	3	17	0.6686	31.592	6.6500	4.7481	47.2522	11.66
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1	1	62	2021	3	18	1.0999	62.346	6.6500	4.7481	56.6821	10.20
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1	1	62	2021	3	20	1.2188	78.928	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	62	2021	3	21	1.5092	97.738	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	62	2021	3	22	1.5992	208.246	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	62	2021	3	23	1.9959	394.815	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	62	2021	3	24	2.8266	24.259	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	62	2021	3	25	1.5557	42.363	6.8800	4.9123	27.2301	6.45
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1	1	62	2021	3	26	4.6918	458.576	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	62	2021	3	27	3.8919	105.977	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	62	2021	3	28	0.1863	8.193	8.0600	5.7548	43.9743	17.00
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MOBILE6 INPUT FILE Baltimore COUNTY

REPORT FILE        :  C:\mobile62\Mobile6\Run\Balt\2021\rcNty21w.out      REPLACE
DATABASE OUTPUT    :
WITH FIELDNAMES    :
EMISSIONS TABLE    :  C:\mobile62\Mobile6\Run\Balt\2021\rcNty21w.tbl    REPLACE
POLLUTANTS         :  HC CO NOX CO2
AGGREGATED OUTPUT  :
RUN DATA           :

FUEL RVP           : 6.8
EXPRESS HC AS VOC  :
NO REFUELING       :
ANTI-TAMP PROGRAM  :         89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : C:\mobile62\Mobile6\Run\Balt\2021\im2010.d
T2 EXH PHASE-IN    : C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11
T2 EVAP PHASE-IN   : C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11
T2 CERT            : C:\mobile62\Mobile6\Run\Balt\LevIIStd.d
94+ LDG IMP        : C:\mobile62\Mobile6\Run\Balt\LevII94.S11
REG DISTRIBUTION   : C:\mobile62\Mobile6\Run\Balt\regdat05.bal
REBUILD EFFECTS    : .90
DIESEL FRACTIONS   :
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0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
0.6300 0.6300 0.6300 0.6300 0.6300
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8563
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9992
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.9585


SCENARIO RECORD    : Baltimore COUNTY SPEED=2.5

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
```

```
AVERAGE SPEED      : 2.5 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=5.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 5.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=6.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 6.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
```

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VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=7.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 7.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=8.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 8.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=9.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
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HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 9.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=10.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 10.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=11

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 11. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
```

```
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=12

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 12. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=13

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 13. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
```

```
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=14.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 14. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=15

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 15. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=16

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
```

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66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 16. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=17

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 17. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=18

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 18. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
```

```
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=19

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 19. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=20

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 20. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=21.
```

```
PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 21. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=22

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 22. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=23

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 23. ARTERIAL
```

```
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=24

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 24. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=25

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 25. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
```

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                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=26

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 26. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=27

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 27. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=28.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
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34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 28. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=29.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 29. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=30.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 30. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
```

```
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=31

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 31. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=32.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 32. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def
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SCENARIO RECORD    : Baltimore COUNTY SPEED=33

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 33. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=34.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 34. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=35

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
```

```
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 35. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=36

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 36. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=37

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 37. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
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*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=38

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 38. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=39

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 39. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=40

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
```

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DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 40. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=41

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 41. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=42

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 42. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
```

```
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=43

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 43. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=44

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 44. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
```

```
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=45

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 45. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=46

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 46. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=47

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
```

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RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 47. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=48

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 48. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=49

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 49. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
```

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SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD     : Baltimore COUNTY SPEED=50

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2021
EVALUATION MONTH    : 1
AVERAGE SPEED       : 50. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD     : Baltimore COUNTY SPEED=51

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2021
EVALUATION MONTH    : 1
AVERAGE SPEED       : 51. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def
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SCENARIO RECORD    : Baltimore COUNTY SPEED=52

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 52. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=53

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 53. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=54

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
```

```
EVALUATION MONTH   : 1
AVERAGE SPEED      : 54. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=55

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 55. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=56

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 56. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
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*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=57

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 57. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=58

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 58. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=59

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
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HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 59. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=60

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 60. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=61

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 61. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
```

```
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=62

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 62. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=63

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 63. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
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VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=64

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 64. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def

SCENARIO RECORD    : Baltimore COUNTY SPEED=65

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2021
EVALUATION MONTH   : 1
AVERAGE SPEED      : 65. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2021\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2021\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2021\V003103S.def


END OF RUN         :
```

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: RCNTY21W.INP (file 1, run 1).                             *
*************************************************************************
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


* Reading I/M program description records from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\IM2010.D
*IM Program.  Idle, IM240, and OBD.
*Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

* Reading non-default I/M CUTPOINTS from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\MOD75V2.C07
* CY 07
* CUTPOINTS 75% TO FINAL for 1994 and 1995. IMPLEMENTED May 2005.

  Reading User Supplied Tier2 Exhaust bin phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11


  Reading User Supplied Tier2 EVAP phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11


  Reading User Supplied Tier2 50K certification standards

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIStd.d


* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11

* Reading Registration Distributions from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\REGDAT05.BAL
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M614 Comment:
               User supplied diesel sale fractions.

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=2.5
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  2.5
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
```

```
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
 HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
             Maximum Temperature:  38.4 (F)
               Minimum Rel. Hum.:  58.2 (%)
               Maximum Rel. Hum.:  74.9 (%)
             Barometric Pressure: 29.80 (inches Hg)
                Nominal Fuel RVP:   6.8 psi
                   Weathered RVP:   6.8 psi
             Fuel Sulfur Content:   30. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  No

             User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      1.627     1.098     1.934     1.312     2.106    0.109     0.184     0.791
9.39     1.393
     Composite CO  :     19.33     16.45     22.11     17.90     33.71     1.899     0.982     1.662
86.37    17.459
     Composite NOX :      0.317     0.319     0.739     0.427     0.346    0.095     0.108     1.921
1.79     0.524
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=5.0
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV
```

```
* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  5.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
             Maximum Temperature:  38.4 (F)
               Minimum Rel. Hum.:  58.2 (%)
               Maximum Rel. Hum.:  74.9 (%)
             Barometric Pressure: 29.80 (inches Hg)
                Nominal Fuel RVP:   6.8 psi
                   Weathered RVP:   6.8 psi
             Fuel Sulfur Content:   30. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  No

             User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.561     0.426     0.803     0.523     0.966    0.097     0.164     0.695
6.15     0.574
     Composite CO  :     13.79     11.65     15.24     12.57     26.93     1.592     0.819     1.357
51.57    12.422
     Composite NOX :      0.281     0.282     0.649     0.376     0.355    0.086     0.097     1.726
1.68     0.467
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
```

```
* Baltimore COUNTY SPEED=6.0
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  6.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
```

```
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.472     0.364     0.692     0.448     0.825    0.092     0.154     0.645
5.33     0.494
     Composite CO  :     12.94     10.88     14.15     11.72     23.93     1.451     0.744     1.216
43.38    11.552
     Composite NOX :      0.264     0.265     0.613     0.354     0.361    0.081     0.092     1.628
1.64     0.441
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=7.0
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  7.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No
```

```
              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.409     0.320     0.613     0.395     0.724    0.088     0.146     0.610
4.74     0.437
     Composite CO  :     12.33     10.34     13.38     11.12     21.78     1.350     0.690     1.116
37.53    10.931
     Composite NOX :      0.252     0.253     0.586     0.338     0.365    0.078     0.088     1.557
1.62     0.422
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=8.0
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  8.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
```

```
                    Altitude:  Low
          Minimum Temperature:  29.8 (F)
          Maximum Temperature:  38.4 (F)
            Minimum Rel. Hum.:  58.2 (%)
            Maximum Rel. Hum.:  74.9 (%)
          Barometric Pressure: 29.80 (inches Hg)
             Nominal Fuel RVP:   6.8 psi
                Weathered RVP:   6.8 psi
          Fuel Sulfur Content:   30. ppm

          Exhaust I/M Program:  Yes
             Evap I/M Program:  Yes
                  ATP Program:  Yes
             Reformulated Gas:  No

          User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.361     0.287     0.554     0.355     0.648    0.084     0.141     0.583
4.30     0.394
     Composite CO  :     11.87      9.93     12.79     10.66     20.17     1.275     0.649     1.041
33.14    10.465
     Composite NOX :      0.243     0.243     0.567     0.326     0.368    0.075     0.085     1.504
1.61     0.408
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=9.0
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  9.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
```

```
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.324     0.261     0.507     0.324     0.590    0.082     0.137     0.562
3.96     0.361
     Composite CO  :     11.52      9.61     12.34     10.31     18.92     1.216     0.618     0.982
29.73    10.103
     Composite NOX :      0.236     0.236     0.551     0.317     0.371    0.074     0.083     1.463
1.59     0.397
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=10.0
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
```

```
  M583 Warning:
            The user supplied arterial average speed of 10.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.294     0.240     0.470     0.299     0.543    0.080     0.133     0.546
3.69     0.334
     Composite CO  :     11.23      9.36     11.98     10.03     17.92     1.169     0.593     0.936
27.00     9.813
     Composite NOX :      0.230     0.231     0.539     0.310     0.373    0.072     0.081     1.430
1.58     0.388
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=11
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV
```

```
* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 11.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.277     0.227     0.445     0.283     0.497    0.077     0.127     0.516
3.46     0.315
```

```
     Composite CO  :     11.02      9.17     11.71      9.82     16.47     1.098     0.555     0.865
24.83     9.570
     Composite NOX :      0.222     0.222     0.521     0.298     0.378    0.069     0.078     1.375
1.59     0.374
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=12
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 12.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.263     0.216     0.424     0.269     0.460    0.074     0.122     0.492
3.27     0.299
     Composite CO  :     10.85      9.00     11.48      9.64     15.26     1.038     0.523     0.805
23.02     9.367
     Composite NOX :      0.214     0.214     0.505     0.289     0.382    0.067     0.076     1.329
1.59     0.363
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=13
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 13.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
```

```
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.251     0.206     0.406     0.258     0.428    0.071     0.118     0.471
3.11     0.286
     Composite CO  :     10.71      8.87     11.29      9.49     14.23     0.988     0.496     0.755
21.49     9.196
     Composite NOX :      0.208     0.208     0.492     0.281     0.385    0.065     0.074     1.291
1.60     0.353
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=14.
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 14.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
```

```
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.241     0.198     0.390     0.248     0.401    0.069     0.114     0.453
2.97     0.274
     Composite CO  :     10.58      8.75     11.12      9.36     13.36     0.945     0.473     0.712
20.18     9.049
     Composite NOX :      0.203     0.202     0.481     0.274     0.388    0.064     0.072     1.257
1.60     0.345
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=15
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 15.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
```

```
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.232     0.191     0.377     0.239     0.377    0.068     0.111     0.438
2.85     0.264
     Composite CO  :     10.48      8.65     10.98      9.25     12.60     0.907     0.453     0.675
19.04     8.921
     Composite NOX :      0.198     0.198     0.471     0.268     0.391    0.062     0.070     1.228
1.60     0.337
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=16
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
```

```
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 16.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.224     0.185     0.365     0.231     0.353    0.065     0.107     0.418
2.75     0.255
     Composite CO  :     10.38      8.56     10.85      9.15     11.79     0.866     0.431     0.634
18.12     8.805
     Composite NOX :      0.194     0.194     0.463     0.262     0.395    0.061     0.068     1.195
1.62     0.330
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
```

```
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=17
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 17.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.217     0.180     0.355     0.225     0.331    0.063     0.104     0.401
2.67     0.246
     Composite CO  :     10.30      8.48     10.74      9.06     11.07     0.829     0.412     0.597
17.31     8.702
     Composite NOX :      0.190     0.190     0.455     0.258     0.399    0.059     0.067     1.165
1.64     0.324
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=18
* File 1, Run 1, Scenario 15.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 18.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.211     0.175     0.346     0.219     0.312    0.061     0.101     0.385
2.59     0.239
     Composite CO  :     10.22      8.42     10.65      8.99     10.43     0.797     0.394     0.565
16.59     8.610
     Composite NOX :      0.187     0.187     0.448     0.254     0.403    0.058     0.065     1.138
1.66     0.319
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=19
* File 1, Run 1, Scenario 16.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 19.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.205     0.171     0.338     0.214     0.295    0.060     0.098     0.372
2.53     0.232
     Composite CO  :     10.16      8.35     10.56      8.92      9.87     0.767     0.379     0.536
15.95     8.528
     Composite NOX :      0.184     0.184     0.442     0.250     0.406    0.057     0.064     1.114
1.67     0.314
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=20
* File 1, Run 1, Scenario 17.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 20.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.200     0.167     0.330     0.209     0.279    0.058     0.095     0.359
2.46     0.226
     Composite CO  :     10.10      8.30     10.48      8.86      9.35     0.741     0.365     0.510
15.37     8.454
     Composite NOX :      0.182     0.181     0.437     0.247     0.409    0.056     0.063     1.093
1.69     0.310
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=21.
* File 1, Run 1, Scenario 18.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 21.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.196     0.163     0.324     0.204     0.264    0.057     0.092     0.345
2.41     0.221
     Composite CO  :     10.05      8.25     10.41      8.80      8.87     0.716     0.351     0.484
14.84     8.390
     Composite NOX :      0.180     0.179     0.432     0.244     0.413    0.055     0.062     1.073
1.71     0.306
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=22
* File 1, Run 1, Scenario 19.
```

```
* # # #
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.192     0.160     0.318     0.201     0.251    0.055     0.090     0.333
2.36     0.216
     Composite CO  :     10.00      8.21     10.35      8.76      8.44     0.692     0.339     0.461
14.35     8.331
     Composite NOX :      0.177     0.177     0.428     0.241     0.417    0.054     0.061     1.054
1.73     0.302
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=23
* File 1, Run 1, Scenario 20.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 23.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.188     0.157     0.312     0.197     0.239    0.054     0.087     0.321
2.31     0.211
     Composite CO  :      9.96      8.17     10.30      8.71      8.04     0.671     0.327     0.440
13.91     8.278
     Composite NOX :      0.176     0.175     0.424     0.239     0.420    0.053     0.060     1.038
1.75     0.299
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=24
* File 1, Run 1, Scenario 21.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 24.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.185     0.155     0.307     0.194     0.228    0.053     0.085     0.311
2.27     0.207
     Composite CO  :      9.92      8.13     10.25      8.67      7.68     0.652     0.317     0.421
13.50     8.228
     Composite NOX :      0.174     0.173     0.420     0.236     0.424    0.052     0.059     1.022
1.77     0.296
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=25
* File 1, Run 1, Scenario 22.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 25.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.182     0.152     0.302     0.191     0.217    0.052     0.083     0.301
2.23     0.203
     Composite CO  :      9.88      8.10     10.20      8.64      7.34     0.634     0.308     0.403
13.12     8.183
     Composite NOX :      0.172     0.171     0.417     0.234     0.427    0.052     0.058     1.008
1.79     0.293
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=26
* File 1, Run 1, Scenario 23.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 26.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.179     0.150     0.299     0.188     0.208    0.051     0.081     0.291
2.18     0.199
     Composite CO  :      9.87      8.08     10.18      8.62      7.05     0.618     0.299     0.387
12.75     8.159
     Composite NOX :      0.171     0.170     0.413     0.232     0.431    0.051     0.058     0.998
1.81     0.291
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=27
* File 1, Run 1, Scenario 24.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
```

```
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 27.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.177     0.148     0.295     0.186     0.199    0.049     0.079     0.282
2.15     0.196
     Composite CO  :      9.86      8.07     10.17      8.61      6.78     0.603     0.291     0.372
12.40     8.137
```

```
     Composite NOX :      0.169     0.168     0.410     0.230     0.435    0.051     0.057     0.988
1.83     0.288
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=28.
* File 1, Run 1, Scenario 25.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 28.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.174     0.147     0.292     0.184     0.191    0.048     0.078     0.274
2.11     0.193
     Composite CO  :      9.84      8.06     10.15      8.60      6.53     0.589     0.284     0.358
12.08     8.116
     Composite NOX :      0.168     0.167     0.408     0.229     0.438    0.050     0.057     0.979
1.85     0.287
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=29.
* File 1, Run 1, Scenario 26.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 29.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.172     0.145     0.289     0.182     0.184    0.048     0.076     0.266
2.08     0.190
     Composite CO  :      9.83      8.05     10.13      8.59      6.30     0.576     0.277     0.345
11.78     8.097
     Composite NOX :      0.167     0.166     0.405     0.227     0.442    0.050     0.056     0.971
1.87     0.285
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=30.
* File 1, Run 1, Scenario 27.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 30.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.170     0.143     0.287     0.180     0.177    0.047     0.074     0.258
2.05     0.188
     Composite CO  :      9.82      8.04     10.12      8.58      6.09     0.564     0.270     0.333
11.50     8.079
     Composite NOX :      0.166     0.165     0.403     0.226     0.445    0.050     0.056     0.964
1.88     0.283
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=31
* File 1, Run 1, Scenario 28.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 31.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.169     0.142     0.284     0.179     0.171    0.046     0.073     0.251
2.02     0.185
     Composite CO  :      9.83      8.05     10.13      8.59      5.91     0.554     0.265     0.323
11.23     8.081
     Composite NOX :      0.165     0.164     0.402     0.225     0.449    0.049     0.056     0.962
1.90     0.282
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=32.
* File 1, Run 1, Scenario 29.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 32.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.167     0.141     0.282     0.177     0.165    0.045     0.072     0.244
1.99     0.183
     Composite CO  :      9.84      8.06     10.15      8.60      5.75     0.544     0.260     0.314
10.97     8.083
     Composite NOX :      0.164     0.164     0.401     0.224     0.453    0.049     0.055     0.960
1.91     0.282
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
```

```
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=33
* File 1, Run 1, Scenario 30.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 33.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.165     0.140     0.280     0.176     0.160    0.044     0.070     0.238
1.96     0.181
     Composite CO  :      9.85      8.07     10.16      8.61      5.60     0.535     0.255     0.305
10.73     8.085
     Composite NOX :      0.164     0.163     0.400     0.224     0.456    0.049     0.055     0.958
1.93     0.281
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=34.
* File 1, Run 1, Scenario 31.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 34.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.164     0.139     0.278     0.175     0.155    0.044     0.069     0.232
1.93     0.179
     Composite CO  :      9.86      8.08     10.17      8.62      5.46     0.527     0.250     0.296
10.51     8.087
     Composite NOX :      0.163     0.162     0.399     0.223     0.460    0.049     0.055     0.956
1.94     0.281
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=35
* File 1, Run 1, Scenario 32.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 35.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.163     0.138     0.276     0.174     0.150    0.043     0.068     0.226
1.91     0.178
     Composite CO  :      9.86      8.09     10.18      8.63      5.33     0.519     0.246     0.289
10.29     8.089
     Composite NOX :      0.163     0.162     0.398     0.222     0.463    0.049     0.055     0.955
1.95     0.280
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=36
* File 1, Run 1, Scenario 33.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 36.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.162     0.138     0.275     0.173     0.146    0.042     0.067     0.221
1.89     0.177
     Composite CO  :      9.92      8.15     10.26      8.69      5.24     0.513     0.243     0.283
10.11     8.138
     Composite NOX :      0.163     0.163     0.399     0.223     0.467    0.049     0.056     0.960
1.97     0.281
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=37
* File 1, Run 1, Scenario 34.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 37.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.161     0.138     0.274     0.173     0.142    0.042     0.066     0.216
1.87     0.176
     Composite CO  :      9.98      8.20     10.33      8.75      5.16     0.507     0.240     0.277
9.93     8.185
     Composite NOX :      0.164     0.163     0.400     0.224     0.470    0.050     0.056     0.966
1.98     0.283
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=38
* File 1, Run 1, Scenario 35.
```

```
* # # #
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.160     0.138     0.274     0.172     0.138    0.041     0.065     0.211
1.85     0.175
     Composite CO  :     10.03      8.25     10.40      8.80      5.08     0.502     0.237     0.271
9.77     8.229
     Composite NOX :      0.165     0.164     0.401     0.225     0.474    0.050     0.056     0.971
1.99     0.284
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=39
* File 1, Run 1, Scenario 36.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 39.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.160     0.137     0.273     0.172     0.135    0.041     0.064     0.207
1.83     0.174
     Composite CO  :     10.08      8.30     10.47      8.86      5.00     0.497     0.234     0.266
9.61     8.271
     Composite NOX :      0.166     0.165     0.402     0.225     0.477    0.050     0.056     0.976
1.99     0.285
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=40
* File 1, Run 1, Scenario 37.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 40.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.159     0.137     0.272     0.172     0.131    0.040     0.063     0.203
1.81     0.173
     Composite CO  :     10.12      8.35     10.53      8.91      4.93     0.492     0.232     0.261
9.46     8.311
     Composite NOX :      0.166     0.165     0.403     0.226     0.481    0.050     0.057     0.980
2.00     0.286
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=41
* File 1, Run 1, Scenario 38.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 41.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.158     0.137     0.272     0.172     0.128    0.040     0.062     0.199
1.80     0.172
     Composite CO  :     10.18      8.41     10.61      8.97      4.91     0.489     0.230     0.258
9.34     8.362
     Composite NOX :      0.167     0.166     0.404     0.227     0.485    0.051     0.057     0.994
2.01     0.289
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=42
* File 1, Run 1, Scenario 39.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 42.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.158     0.137     0.271     0.171     0.126    0.039     0.062     0.195
1.79     0.171
     Composite CO  :     10.24      8.46     10.68      9.03      4.89     0.486     0.229     0.256
9.23     8.411
     Composite NOX :      0.168     0.167     0.406     0.228     0.488    0.052     0.058     1.007
2.02     0.291
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=43
* File 1, Run 1, Scenario 40.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
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* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 43.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.157     0.137     0.271     0.171     0.123    0.039     0.061     0.192
1.78     0.171
     Composite CO  :     10.29      8.51     10.75      9.09      4.86     0.483     0.227     0.253
9.13     8.458
```

```
     Composite NOX :      0.169     0.168     0.407     0.229     0.492    0.052     0.059     1.020
2.03     0.293
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=44
* File 1, Run 1, Scenario 41.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 44.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.157     0.137     0.270     0.171     0.121    0.039     0.060     0.189
1.76     0.170
     Composite CO  :     10.34      8.56     10.81      9.14      4.84     0.480     0.226     0.250
9.03     8.502
     Composite NOX :      0.170     0.169     0.408     0.230     0.495    0.053     0.059     1.032
2.03     0.295
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=45
* File 1, Run 1, Scenario 42.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 45.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.156     0.137     0.269     0.171     0.119    0.038     0.060     0.186
1.75     0.169
     Composite CO  :     10.39      8.61     10.88      9.19      4.82     0.478     0.224     0.248
8.93     8.544
     Composite NOX :      0.171     0.170     0.409     0.231     0.499    0.053     0.060     1.043
2.04     0.297
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=46
* File 1, Run 1, Scenario 43.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 46.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.155     0.137     0.269     0.171     0.117    0.038     0.059     0.183
1.75     0.169
     Composite CO  :     10.44      8.67     10.95      9.25      4.86     0.478     0.224     0.247
8.88     8.598
     Composite NOX :      0.172     0.171     0.411     0.232     0.503    0.055     0.061     1.067
2.07     0.300
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=47
* File 1, Run 1, Scenario 44.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 47.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.155     0.136     0.268     0.170     0.115    0.038     0.059     0.181
1.75     0.168
     Composite CO  :     10.50      8.72     11.03      9.31      4.89     0.477     0.224     0.247
8.84     8.648
     Composite NOX :      0.173     0.172     0.412     0.233     0.506    0.056     0.063     1.089
2.09     0.303
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=48
* File 1, Run 1, Scenario 45.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 48.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.154     0.136     0.268     0.170     0.113    0.037     0.058     0.178
1.74     0.167
     Composite CO  :     10.55      8.77     11.09      9.37      4.92     0.477     0.224     0.247
8.79     8.697
     Composite NOX :      0.174     0.172     0.414     0.234     0.510    0.057     0.064     1.110
2.11     0.306
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=49
* File 1, Run 1, Scenario 46.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 49.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.154     0.136     0.267     0.170     0.111    0.037     0.058     0.176
1.74     0.167
     Composite CO  :     10.60      8.82     11.16      9.42      4.95     0.476     0.224     0.246
8.75     8.744
     Composite NOX :      0.174     0.173     0.415     0.235     0.513    0.058     0.065     1.131
2.14     0.308
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=50
* File 1, Run 1, Scenario 47.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 50.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.153     0.136     0.266     0.169     0.109    0.037     0.057     0.174
1.74     0.166
     Composite CO  :     10.65      8.87     11.22      9.47      4.98     0.476     0.223     0.246
8.71     8.789
     Composite NOX :      0.175     0.174     0.416     0.236     0.517    0.059     0.066     1.151
2.16     0.311
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=51
* File 1, Run 1, Scenario 48.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 51.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
                GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.152     0.136     0.266     0.169     0.108    0.037     0.057     0.172
1.74     0.166
     Composite CO  :     10.70      8.92     11.30      9.53      5.08     0.478     0.224     0.248
8.71     8.844
     Composite NOX :      0.176     0.175     0.418     0.237     0.521    0.060     0.068     1.186
2.20     0.315
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=52
* File 1, Run 1, Scenario 49.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 52.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.152     0.136     0.265     0.169     0.106    0.037     0.057     0.171
1.74     0.165
     Composite CO  :     10.76      8.98     11.37      9.59      5.17     0.480     0.226     0.250
8.71     8.897
     Composite NOX :      0.177     0.176     0.419     0.238     0.524    0.062     0.070     1.220
2.25     0.319
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=53
* File 1, Run 1, Scenario 50.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 53.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.151     0.136     0.264     0.169     0.105    0.036     0.056     0.169
1.74     0.165
     Composite CO  :     10.81      9.03     11.44      9.65      5.27     0.482     0.227     0.252
8.71     8.948
     Composite NOX :      0.178     0.177     0.421     0.239     0.528    0.063     0.072     1.253
2.30     0.323
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=54
* File 1, Run 1, Scenario 51.
```

```
* # # #
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.150     0.135     0.264     0.168     0.104    0.036     0.056     0.168
1.74     0.164
     Composite CO  :     10.86      9.08     11.51      9.70      5.35     0.484     0.227     0.254
8.71     8.997
     Composite NOX :      0.179     0.178     0.422     0.240     0.531    0.065     0.073     1.285
2.34     0.327
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=55
* File 1, Run 1, Scenario 52.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 55.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.150     0.135     0.263     0.168     0.103    0.036     0.056     0.166
1.74     0.163
     Composite CO  :     10.91      9.13     11.57      9.75      5.44     0.486     0.228     0.255
8.71     9.044
     Composite NOX :      0.180     0.178     0.423     0.241     0.535    0.066     0.075     1.315
2.38     0.331
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=56
* File 1, Run 1, Scenario 53.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 56.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.149     0.135     0.263     0.168     0.102    0.036     0.055     0.166
1.81     0.163
     Composite CO  :     10.96      9.18     11.65      9.81      5.62     0.490     0.231     0.260
9.86     9.104
     Composite NOX :      0.181     0.179     0.425     0.242     0.538    0.069     0.078     1.367
2.43     0.337
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=57
* File 1, Run 1, Scenario 54.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 57.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.148     0.135     0.262     0.168     0.101    0.036     0.055     0.165
1.88     0.163
     Composite CO  :     11.02      9.24     11.72      9.87      5.79     0.495     0.233     0.265
10.96     9.163
     Composite NOX :      0.182     0.180     0.426     0.243     0.542    0.071     0.081     1.418
2.47     0.342
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=58
* File 1, Run 1, Scenario 55.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 58.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.148     0.135     0.262     0.167     0.100    0.036     0.055     0.164
1.94     0.163
     Composite CO  :     11.07      9.29     11.79      9.93      5.95     0.499     0.236     0.269
12.03     9.219
     Composite NOX :      0.183     0.181     0.428     0.244     0.546    0.074     0.083     1.466
2.52     0.347
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=59
* File 1, Run 1, Scenario 56.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
```

```
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 59.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.147     0.135     0.261     0.167     0.100    0.036     0.055     0.163
2.01     0.163
     Composite CO  :     11.12      9.34     11.85      9.98      6.12     0.504     0.238     0.273
13.05     9.273
```

```
     Composite NOX :      0.184     0.182     0.429     0.245     0.549    0.076     0.086     1.513
2.56     0.353
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=60
* File 1, Run 1, Scenario 57.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 60.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.147     0.135     0.261     0.167     0.099    0.036     0.055     0.163
2.07     0.163
     Composite CO  :     11.17      9.39     11.92     10.04      6.27     0.508     0.240     0.278
14.05     9.326
     Composite NOX :      0.184     0.183     0.431     0.246     0.553    0.078     0.088     1.558
2.60     0.358
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=61
* File 1, Run 1, Scenario 58.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 61.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.147     0.135     0.260     0.167     0.099    0.036     0.055     0.163
2.14     0.163
     Composite CO  :     11.22      9.44     11.99     10.10      6.56     0.516     0.245     0.286
15.19     9.390
     Composite NOX :      0.185     0.184     0.432     0.248     0.556    0.082     0.092     1.634
2.65     0.365
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=62
* File 1, Run 1, Scenario 59.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 62.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.146     0.135     0.260     0.167     0.099    0.036     0.055     0.163
2.21     0.163
     Composite CO  :     11.28      9.50     12.06     10.15      6.84     0.524     0.249     0.294
16.29     9.452
     Composite NOX :      0.186     0.185     0.434     0.249     0.560    0.085     0.096     1.707
2.70     0.373
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=63
* File 1, Run 1, Scenario 60.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 63.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
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```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.146     0.135     0.259     0.167     0.099    0.036     0.055     0.163
2.28     0.163
     Composite CO  :     11.33      9.55     12.13     10.21      7.12     0.532     0.253     0.301
17.35     9.512
     Composite NOX :      0.187     0.186     0.436     0.250     0.564    0.089     0.100     1.778
2.74     0.380
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=64
* File 1, Run 1, Scenario 61.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 64.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2021
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.145     0.135     0.259     0.167     0.099    0.036     0.055     0.163
2.35     0.163
     Composite CO  :     11.38      9.60     12.20     10.27      7.38     0.539     0.257     0.309
18.38     9.570
     Composite NOX :      0.188     0.187     0.437     0.251     0.567    0.092     0.104     1.846
2.78     0.387
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
```

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  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore COUNTY SPEED=65
* File 1, Run 1, Scenario 62.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 65.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2021\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2021
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.145     0.135     0.259     0.167     0.099    0.036     0.055     0.163
2.41     0.163
     Composite CO  :     11.43      9.65     12.27     10.32      7.64     0.546     0.261     0.316
19.39     9.627
     Composite NOX :      0.189     0.187     0.438     0.252     0.571    0.095     0.108     1.912
2.83     0.394
     Composite CO2 :    367.9     479.3     624.4     516.5     910.3    314.1     506.3    1454.3      177.4
568.27
  ---------------------------------------------------------------------------------------------------------
-----------
```

FILE	RUN	SCEN	CAL_YEAR	POL	VTYPE	GM_MILE	GM_DAY	STARTS	ENDS	MILES	MPG	VMT
1	1	1	2021	4	1	367.9	11042.8		7.2800	5.3799	30.0117	24.10
	0.281246											
1	1	1	2021	4	2	479.3	19267.7		8.0600	5.7548	40.1957	18.50
	0.101405											
1	1	1	2021	4	3	479.3	19267.7		8.0600	5.7548	40.1957	18.50
	0.337320											
1	1	1	2021	4	4	624.4	23612.5		8.0600	5.7548	37.8166	14.20
	0.103547											
1	1	1	2021	4	5	624.4	23612.5		8.0600	5.7548	37.8166	14.20
	0.047578											
1	1	1	2021	4	6	875.4	33065.7		6.8800	4.9123	37.7707	10.13
	0.027524											
1	1	1	2021	4	7	944.4	35671.5		6.8800	4.9123	37.7707	9.39
	0.000969											
1	1	1	2021	4	8	948.5	34612.4		6.8800	4.9123	36.4932	9.35
	0.000281											
1	1	1	2021	4	9	1107.1	40402.8		6.8800	4.9123	36.4931	8.01
	0.000959											
1	1	1	2021	4	10	1089.5	39757.5		6.8800	4.9123	36.4932	8.14
	0.001996											
1	1	1	2021	4	11	1190.4	43439.7		6.8800	4.9123	36.4932	7.45
	0.000819											
1	1	1	2021	4	12	1254.3	45774.5		6.8800	4.9123	36.4932	7.07
	0.000002											
1	1	1	2021	4	13	0.0	0.0		0.0000	0.0000	0.0000	0.00
	0.000000											
1	1	1	2021	4	14	314.1	9425.7		7.2800	5.1979	30.0117	32.40
	0.000028											
1	1	1	2021	4	15	460.4	22232.5		8.0600	5.7548	48.2848	22.10
	0.004518											
1	1	1	2021	4	16	785.2	35375.8		6.6500	4.7481	45.0549	12.96
	0.008198											
1	1	1	2021	4	17	872.7	41237.6		6.6500	4.7481	47.2522	11.66
	0.002544											
1	1	1	2021	4	18	997.6	56547.8		6.6500	4.7481	56.6821	10.20
	0.002699											
1	1	1	2021	4	19	1029.9	58379.3		6.6500	4.7481	56.6821	9.88
	0.001293											
1	1	1	2021	4	20	1168.3	75659.1		6.6500	4.7481	64.7605	8.71
	0.006032											
1	1	1	2021	4	21	1351.4	87515.4		6.6500	4.7481	64.7605	7.53
	0.008655											
1	1	1	2021	4	22	1544.1	201080.0		6.6500	4.7481	130.2221	6.59
	0.010278											
1	1	1	2021	4	23	1615.2	319512.5		6.6500	4.7481	197.8148	6.30
	0.036527											
1	1	1	2021	4	24	177.4	1522.2		1.3500	0.9639	8.5822	50.00
	0.002374											
1	1	1	2021	4	25	1374.9	37438.8		6.8800	4.9123	27.2301	6.45
	0.000303											
1	1	1	2021	4	26	2333.9	228113.5		6.6500	4.7481	97.7390	4.36
	0.003655											
1	1	1	2021	4	27	1646.6	44836.4		6.6500	4.7481	27.2301	6.18
	0.007008											
1	1	1	2021	4	28	598.6	26322.0		8.0600	5.7548	43.9743	17.00
	0.002242											
1	1	1	2021	1	1	1.6273	48.837		7.2800	5.3799	30.0117	24.10
	0.281246											
1	1	1	2021	1	2	1.0006	40.219		8.0600	5.7548	40.1957	18.50
	0.101405											
1	1	1	2021	1	3	1.1269	45.297		8.0600	5.7548	40.1957	18.50
	0.337320											
1	1	1	2021	1	4	1.9150	72.420		8.0600	5.7548	37.8166	14.20
	0.103547											
1	1	1	2021	1	5	1.9753	74.700		8.0600	5.7548	37.8166	14.20
	0.047578											
1	1	1	2021	1	6	2.1183	80.010		6.8800	4.9123	37.7707	10.13
	0.027524											
1	1	1	2021	1	7	2.0635	77.941		6.8800	4.9123	37.7707	9.39
	0.000969											
1	1	1	2021	1	8	1.7947	65.493		6.8800	4.9123	36.4932	9.35
	0.000281											
1	1	1	2021	1	9	1.9121	69.780		6.8800	4.9123	36.4931	8.01
	0.000959											
1	1	1	2021	1	10	1.9067	69.581		6.8800	4.9123	36.4932	8.14
	0.001996											
1	1	1	2021	1	11	1.9967	72.867		6.8800	4.9123	36.4932	7.45
	0.000819											
1	1	1	2021	1	12	2.0761	75.765		6.8800	4.9123	36.4932	7.07
	0.000002											
1	1	1	2021	1	13	0.0000	0.000		0.0000	0.0000	0.0000	0.00
	0.000000											
1	1	1	2021	1	14	0.1086	3.260		7.2800	5.1979	30.0117	32.40
	0.000028											
1	1	1	2021	1	15	0.1282	6.189		8.0600	5.7548	48.2848	22.10
	0.004518											
1	1	1	2021	1	16	0.3361	15.144		6.6500	4.7481	45.0549	12.96
	0.008198											
1	1	1	2021	1	17	0.3772	17.823		6.6500	4.7481	47.2522	11.66
	0.002544											
1	1	1	2021	1	18	0.4555	25.819		6.6500	4.7481	56.6821	10.20
	0.002699											
1	1	1	2021	1	19	0.4973	28.189		6.6500	4.7481	56.6821	9.88
	0.001293											

1	1	1	2021	1	20	0.6025	39.016	6.6500	4.7481	64.7605	8.71	0.006032
1	1	1	2021	1	21	0.7446	48.219	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2021	1	22	0.8417	109.607	6.6500	4.7481	130.2221	6.59	0.010278
1	1	1	2021	1	23	0.9450	186.937	6.6500	4.7481	197.8148	6.30	0.036527
1	1	1	2021	1	24	9.3873	80.564	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2021	1	25	3.6047	98.156	6.8800	4.9123	27.2301	6.45	0.000303
1	1	1	2021	1	26	0.7301	71.358	6.6500	4.7481	97.7390	4.36	0.003655
1	1	1	2021	1	27	1.0298	28.043	6.6500	4.7481	27.2301	6.18	0.007008
1	1	1	2021	1	28	0.2952	12.983	8.0600	5.7548	43.9743	17.00	0.002242
1	1	1	2021	2	1	19.3268	580.030	7.2800	5.3799	30.0117	24.10	0.281246
1	1	1	2021	2	2	15.8056	635.316	8.0600	5.7548	40.1957	18.50	0.101405
1	1	1	2021	2	3	16.6487	669.204	8.0600	5.7548	40.1957	18.50	0.337320
1	1	1	2021	2	4	21.9715	830.890	8.0600	5.7548	37.8166	14.20	0.103547
1	1	1	2021	2	5	22.3966	846.966	8.0600	5.7548	37.8166	14.20	0.047578
1	1	1	2021	2	6	31.4134	1186.507	6.8800	4.9123	37.7707	10.13	0.027524
1	1	1	2021	2	7	39.4302	1489.307	6.8800	4.9123	37.7707	9.39	0.000969
1	1	1	2021	2	8	38.3762	1400.469	6.8800	4.9123	36.4932	9.35	0.000281
1	1	1	2021	2	9	44.8234	1635.748	6.8800	4.9123	36.4931	8.01	0.000959
1	1	1	2021	2	10	44.3643	1618.992	6.8800	4.9123	36.4932	8.14	0.001996
1	1	1	2021	2	11	52.7215	1923.975	6.8800	4.9123	36.4932	7.45	0.000819
1	1	1	2021	2	12	56.1475	2049.000	6.8800	4.9123	36.4932	7.07	0.000002
1	1	1	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	1	2021	2	14	1.8987	56.984	7.2800	5.1979	30.0117	32.40	0.000028
1	1	1	2021	2	15	0.8766	42.327	8.0600	5.7548	48.2848	22.10	0.004518
1	1	1	2021	2	16	0.6757	30.443	6.6500	4.7481	45.0549	12.96	0.008198
1	1	1	2021	2	17	0.6775	32.013	6.6500	4.7481	47.2522	11.66	0.002544
1	1	1	2021	2	18	1.0216	57.908	6.6500	4.7481	56.6821	10.20	0.002699
1	1	1	2021	2	19	1.1088	62.851	6.6500	4.7481	56.6821	9.88	0.001293
1	1	1	2021	2	20	1.0047	65.064	6.6500	4.7481	64.7605	8.71	0.006032
1	1	1	2021	2	21	1.2453	80.646	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2021	2	22	1.5673	204.100	6.6500	4.7481	130.2221	6.59	0.010278
1	1	1	2021	2	23	1.9300	381.783	6.6500	4.7481	197.8148	6.30	0.036527
1	1	1	2021	2	24	86.3719	741.263	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2021	2	25	62.5206	1702.444	6.8800	4.9123	27.2301	6.45	0.000303
1	1	1	2021	2	26	3.2297	315.667	6.6500	4.7481	97.7390	4.36	0.003655
1	1	1	2021	2	27	2.5285	68.852	6.6500	4.7481	27.2301	6.18	0.007008
1	1	1	2021	2	28	1.1958	52.583	8.0600	5.7548	43.9743	17.00	0.002242
1	1	1	2021	3	1	0.3166	9.503	7.2800	5.3799	30.0117	24.10	0.281246
1	1	1	2021	3	2	0.2444	9.822	8.0600	5.7548	40.1957	18.50	0.101405
1	1	1	2021	3	3	0.3419	13.743	8.0600	5.7548	40.1957	18.50	0.337320
1	1	1	2021	3	4	0.6865	25.960	8.0600	5.7548	37.8166	14.20	0.103547
1	1	1	2021	3	5	0.8527	32.248	8.0600	5.7548	37.8166	14.20	0.047578
1	1	1	2021	3	6	0.3364	12.707	6.8800	4.9123	37.7707	10.13	0.027524
1	1	1	2021	3	7	0.3807	14.377	6.8800	4.9123	37.7707	9.39	0.000969
1	1	1	2021	3	8	0.3051	11.134	6.8800	4.9123	36.4932	9.35	0.000281
1	1	1	2021	3	9	0.3537	12.908	6.8800	4.9123	36.4931	8.01	0.000959
1	1	1	2021	3	10	0.3505	12.792	6.8800	4.9123	36.4932	8.14	0.001996

1	1	1	2021	3	11	0.3909	14.265	6.8800	4.9123	36.4932	7.45	0.000819
1	1	1	2021	3	12	0.4159	15.176	6.8800	4.9123	36.4932	7.07	0.000002
1	1	1	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	1	2021	3	14	0.0955	2.865	7.2800	5.1979	30.0117	32.40	0.000028
1	1	1	2021	3	15	0.0688	3.322	8.0600	5.7548	48.2848	22.10	0.004518
1	1	1	2021	3	16	0.7086	31.927	6.6500	4.7481	45.0549	12.96	0.008198
1	1	1	2021	3	17	0.6717	31.741	6.6500	4.7481	47.2522	11.66	0.002544
1	1	1	2021	3	18	1.1051	62.639	6.6500	4.7481	56.6821	10.20	0.002699
1	1	1	2021	3	19	1.1988	67.952	6.6500	4.7481	56.6821	9.88	0.001293
1	1	1	2021	3	20	1.2245	79.302	6.6500	4.7481	64.7605	8.71	0.006032
1	1	1	2021	3	21	1.5164	98.200	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2021	3	22	1.6067	209.225	6.6500	4.7481	130.2221	6.59	0.010278
1	1	1	2021	3	23	2.0052	396.668	6.6500	4.7481	197.8148	6.30	0.036527
1	1	1	2021	3	24	1.7876	15.341	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2021	3	25	0.9428	25.673	6.8800	4.9123	27.2301	6.45	0.000303
1	1	1	2021	3	26	4.7143	460.768	6.6500	4.7481	97.7390	4.36	0.003655
1	1	1	2021	3	27	3.9105	106.483	6.6500	4.7481	27.2301	6.18	0.007008
1	1	1	2021	3	28	0.1872	8.231	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	2	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	2	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2021	1	1	0.5611	16.839	7.2800	5.3799	30.0117	24.10	0.281246

1	1	2	2021	1	2	0.3624	14.565	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2021	1	3	0.4457	17.915	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2021	1	4	0.7902	29.882	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2021	1	5	0.8314	31.441	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2021	1	6	0.9679	36.560	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2021	1	7	0.9243	34.911	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2021	1	8	0.8076	29.473	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2021	1	9	0.9012	32.889	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2021	1	10	0.8969	32.731	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2021	1	11	0.9687	35.349	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2021	1	12	1.0320	37.659	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2021	1	14	0.0975	2.925	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2021	1	15	0.1141	5.511	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2021	1	16	0.2954	13.308	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2021	1	17	0.3314	15.662	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2021	1	18	0.4003	22.689	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2021	1	19	0.4370	24.771	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2021	1	20	0.5294	34.285	6.6500	4.7481	64.7605	8.71	0.006032
1	1	2	2021	1	21	0.6543	42.372	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2021	1	22	0.7396	96.317	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2021	1	23	0.8304	164.271	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2021	1	24	6.1476	52.760	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2021	1	25	1.7063	46.463	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2021	1	26	0.6416	62.706	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2021	1	27	0.9050	24.643	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2021	1	28	0.2643	11.621	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2021	2	1	13.7930	413.952	7.2800	5.3799	30.0117	24.10	0.281246
1	1	2	2021	2	2	11.1717	449.053	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2021	2	3	11.7893	473.881	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2021	2	4	15.1359	572.388	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2021	2	5	15.4585	584.590	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2021	2	6	25.0998	948.038	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2021	2	7	31.5054	1189.979	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2021	2	8	30.6632	1118.996	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2021	2	9	35.8146	1306.988	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2021	2	10	35.4477	1293.600	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2021	2	11	42.1253	1537.286	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2021	2	12	44.8627	1637.182	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2021	2	14	1.5920	47.780	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2021	2	15	0.7295	35.225	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2021	2	16	0.5516	24.852	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2021	2	17	0.5531	26.133	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2021	2	18	0.8340	47.272	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2021	2	19	0.9052	51.307	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2021	2	20	0.8202	53.114	6.6500	4.7481	64.7605	8.71	0.006032

1	1	2	2021	2	21	1.0166	65.833	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2021	2	22	1.2795	166.613	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2021	2	23	1.5755	311.661	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2021	2	24	51.5715	442.598	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2021	2	25	49.9549	1360.279	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2021	2	26	2.6365	257.688	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2021	2	27	2.0641	56.206	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2021	2	28	0.9988	43.920	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2021	3	1	0.2807	8.424	7.2800	5.3799	30.0117	24.10	0.281246
1	1	2	2021	3	2	0.2162	8.688	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2021	3	3	0.3016	12.124	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2021	3	4	0.6042	22.849	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2021	3	5	0.7472	28.257	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2021	3	6	0.3452	13.038	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2021	3	7	0.3905	14.751	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2021	3	8	0.3130	11.424	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2021	3	9	0.3629	13.244	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2021	3	10	0.3596	13.125	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2021	3	11	0.4011	14.636	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2021	3	12	0.4267	15.571	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2021	3	14	0.0861	2.584	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2021	3	15	0.0620	2.992	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2021	3	16	0.6369	28.697	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2021	3	17	0.6038	28.529	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2021	3	18	0.9933	56.301	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2021	3	19	1.0775	61.075	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2021	3	20	1.0998	71.225	6.6500	4.7481	64.7605	8.71	0.006032
1	1	2	2021	3	21	1.3619	88.198	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2021	3	22	1.4439	188.025	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2021	3	23	1.8026	356.582	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2021	3	24	1.6763	14.386	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2021	3	25	0.9673	26.341	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2021	3	26	4.2289	413.329	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2021	3	27	3.5083	95.531	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2021	3	28	0.1688	7.421	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	3	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819

1	1	3	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2021	1	1	0.4722	14.170	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2021	1	2	0.3064	12.315	8.0600	5.7548	40.1957	18.50	0.101405
1	1	3	2021	1	3	0.3819	15.349	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2021	1	4	0.6805	25.733	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2021	1	5	0.7178	27.145	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2021	1	6	0.8262	31.208	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2021	1	7	0.7876	29.748	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2021	1	8	0.6889	25.140	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2021	1	9	0.7717	28.163	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2021	1	10	0.7679	28.023	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2021	1	11	0.8314	30.341	6.8800	4.9123	36.4932	7.45	0.000819
1	1	3	2021	1	12	0.8874	32.385	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2021	1	14	0.0917	2.752	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2021	1	15	0.1069	5.159	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2021	1	16	0.2742	12.354	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2021	1	17	0.3077	14.539	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2021	1	18	0.3716	21.063	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2021	1	19	0.4057	22.996	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2021	1	20	0.4915	31.829	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2021	1	21	0.6074	39.336	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2021	1	22	0.6866	89.416	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2021	1	23	0.7709	152.502	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2021	1	24	5.3283	45.728	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2021	1	25	1.4596	39.746	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2021	1	26	0.5956	58.214	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2021	1	27	0.8401	22.877	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2021	1	28	0.2482	10.914	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2021	2	1	12.9388	388.317	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2021	2	2	10.4322	419.330	8.0600	5.7548	40.1957	18.50	0.101405

1	1	3	2021	2	3	11.0195	442.937	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2021	2	4	14.0549	531.509	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2021	2	5	14.3619	543.119	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2021	2	6	22.2996	842.272	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2021	2	7	27.9905	1057.222	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2021	2	8	27.2423	994.158	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2021	2	9	31.8190	1161.177	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2021	2	10	31.4931	1149.282	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2021	2	11	37.4257	1365.782	6.8800	4.9123	36.4932	7.45	0.000819
1	1	3	2021	2	12	39.8577	1454.534	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2021	2	14	1.4510	43.547	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2021	2	15	0.6619	31.959	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2021	2	16	0.4945	22.280	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2021	2	17	0.4958	23.429	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2021	2	18	0.7477	42.380	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2021	2	19	0.8115	45.997	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2021	2	20	0.7353	47.617	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2021	2	21	0.9114	59.020	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2021	2	22	1.1470	149.370	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2021	2	23	1.4125	279.407	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2021	2	24	43.3811	372.306	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2021	2	25	44.3818	1208.522	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2021	2	26	2.3636	231.019	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2021	2	27	1.8505	50.389	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2021	2	28	0.9081	39.934	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2021	3	1	0.2639	7.921	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2021	3	2	0.2028	8.153	8.0600	5.7548	40.1957	18.50	0.101405
1	1	3	2021	3	3	0.2834	11.390	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2021	3	4	0.5695	21.537	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2021	3	5	0.7062	26.708	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2021	3	6	0.3510	13.258	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2021	3	7	0.3971	15.001	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2021	3	8	0.3183	11.617	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2021	3	9	0.3690	13.467	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2021	3	10	0.3657	13.346	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2021	3	11	0.4078	14.883	6.8800	4.9123	36.4932	7.45	0.000819
1	1	3	2021	3	12	0.4339	15.834	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2021	3	14	0.0814	2.442	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2021	3	15	0.0585	2.825	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2021	3	16	0.6008	27.067	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2021	3	17	0.5695	26.909	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2021	3	18	0.9369	53.104	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2021	3	19	1.0163	57.607	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2021	3	20	1.0369	67.151	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2021	3	21	1.2840	83.154	6.6500	4.7481	64.7605	7.53	0.008655

1	1	3	2021	3	22	1.3618	177.332	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2021	3	23	1.7004	336.365	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2021	3	24	1.6447	14.116	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2021	3	25	0.9837	26.786	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2021	3	26	3.9841	389.403	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2021	3	27	3.3054	90.007	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2021	3	28	0.1595	7.013	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	4	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	4	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	4	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	4	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	4	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	4	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	4	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	4	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	4	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	4	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	4	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	4	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	4	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	4	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	4	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	4	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	4	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	4	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	4	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	4	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	4	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2021	1	1	0.4086	12.264	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2021	1	2	0.2664	10.707	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2021	1	3	0.3363	13.516	8.0600	5.7548	40.1957	18.50	0.337320
1	1	4	2021	1	4	0.6021	22.769	8.0600	5.7548	37.8166	14.20	0.103547
1	1	4	2021	1	5	0.6367	24.076	8.0600	5.7548	37.8166	14.20	0.047578
1	1	4	2021	1	6	0.7250	27.385	6.8800	4.9123	37.7707	10.13	0.027524
1	1	4	2021	1	7	0.6900	26.060	6.8800	4.9123	37.7707	9.39	0.000969
1	1	4	2021	1	8	0.6041	22.045	6.8800	4.9123	36.4932	9.35	0.000281
1	1	4	2021	1	9	0.6792	24.788	6.8800	4.9123	36.4931	8.01	0.000959
1	1	4	2021	1	10	0.6758	24.661	6.8800	4.9123	36.4932	8.14	0.001996
1	1	4	2021	1	11	0.7334	26.763	6.8800	4.9123	36.4932	7.45	0.000819
1	1	4	2021	1	12	0.7842	28.618	6.8800	4.9123	36.4932	7.07	0.000002

1	1	4	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2021	1	14	0.0875	2.627	7.2800	5.1979	30.0117	32.40	0.000028
1	1	4	2021	1	15	0.1016	4.908	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2021	1	16	0.2591	11.673	6.6500	4.7481	45.0549	12.96	0.008198
1	1	4	2021	1	17	0.2907	13.738	6.6500	4.7481	47.2522	11.66	0.002544
1	1	4	2021	1	18	0.3511	19.902	6.6500	4.7481	56.6821	10.20	0.002699
1	1	4	2021	1	19	0.3833	21.728	6.6500	4.7481	56.6821	9.88	0.001293
1	1	4	2021	1	20	0.4644	30.074	6.6500	4.7481	64.7605	8.71	0.006032
1	1	4	2021	1	21	0.5739	37.168	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2021	1	22	0.6488	84.487	6.6500	4.7481	130.2221	6.59	0.010278
1	1	4	2021	1	23	0.7284	144.095	6.6500	4.7481	197.8148	6.30	0.036527
1	1	4	2021	1	24	4.7431	40.706	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2021	1	25	1.2834	34.948	6.8800	4.9123	27.2301	6.45	0.000303
1	1	4	2021	1	26	0.5628	55.004	6.6500	4.7481	97.7390	4.36	0.003655
1	1	4	2021	1	27	0.7938	21.616	6.6500	4.7481	27.2301	6.18	0.007008
1	1	4	2021	1	28	0.2367	10.409	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2021	2	1	12.3287	370.006	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2021	2	2	9.9040	398.099	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2021	2	3	10.4696	420.834	8.0600	5.7548	40.1957	18.50	0.337320
1	1	4	2021	2	4	13.2828	502.310	8.0600	5.7548	37.8166	14.20	0.103547
1	1	4	2021	2	5	13.5786	513.496	8.0600	5.7548	37.8166	14.20	0.047578
1	1	4	2021	2	6	20.2995	766.725	6.8800	4.9123	37.7707	10.13	0.027524
1	1	4	2021	2	7	25.4799	962.395	6.8800	4.9123	37.7707	9.39	0.000969
1	1	4	2021	2	8	24.7988	904.988	6.8800	4.9123	36.4932	9.35	0.000281
1	1	4	2021	2	9	28.9650	1057.026	6.8800	4.9123	36.4931	8.01	0.000959
1	1	4	2021	2	10	28.6683	1046.198	6.8800	4.9123	36.4932	8.14	0.001996
1	1	4	2021	2	11	34.0688	1243.279	6.8800	4.9123	36.4932	7.45	0.000819
1	1	4	2021	2	12	36.2827	1324.070	6.8800	4.9123	36.4932	7.07	0.000002
1	1	4	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2021	2	14	1.3502	40.523	7.2800	5.1979	30.0117	32.40	0.000028
1	1	4	2021	2	15	0.6136	29.625	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2021	2	16	0.4537	20.443	6.6500	4.7481	45.0549	12.96	0.008198
1	1	4	2021	2	17	0.4549	21.497	6.6500	4.7481	47.2522	11.66	0.002544
1	1	4	2021	2	18	0.6860	38.885	6.6500	4.7481	56.6821	10.20	0.002699
1	1	4	2021	2	19	0.7446	42.204	6.6500	4.7481	56.6821	9.88	0.001293
1	1	4	2021	2	20	0.6746	43.691	6.6500	4.7481	64.7605	8.71	0.006032
1	1	4	2021	2	21	0.8362	54.154	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2021	2	22	1.0525	137.054	6.6500	4.7481	130.2221	6.59	0.010278
1	1	4	2021	2	23	1.2960	256.368	6.6500	4.7481	197.8148	6.30	0.036527
1	1	4	2021	2	24	37.5308	322.098	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2021	2	25	40.4010	1100.125	6.8800	4.9123	27.2301	6.45	0.000303
1	1	4	2021	2	26	2.1687	211.971	6.6500	4.7481	97.7390	4.36	0.003655
1	1	4	2021	2	27	1.6979	46.234	6.6500	4.7481	27.2301	6.18	0.007008
1	1	4	2021	2	28	0.8434	37.088	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2021	3	1	0.2520	7.562	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2021	3	2	0.1933	7.770	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2021	3	3	0.2703	10.866	8.0600	5.7548	40.1957	18.50	0.337320

1	1	4	2021	3	4	0.5447	20.599	8.0600	5.7548	37.8166	14.20	0.103547
1	1	4	2021	3	5	0.6770	25.601	8.0600	5.7548	37.8166	14.20	0.047578
1	1	4	2021	3	6	0.3552	13.415	6.8800	4.9123	37.7707	10.13	0.027524
1	1	4	2021	3	7	0.4019	15.179	6.8800	4.9123	37.7707	9.39	0.000969
1	1	4	2021	3	8	0.3221	11.755	6.8800	4.9123	36.4932	9.35	0.000281
1	1	4	2021	3	9	0.3734	13.627	6.8800	4.9123	36.4931	8.01	0.000959
1	1	4	2021	3	10	0.3701	13.505	6.8800	4.9123	36.4932	8.14	0.001996
1	1	4	2021	3	11	0.4127	15.060	6.8800	4.9123	36.4932	7.45	0.000819
1	1	4	2021	3	12	0.4390	16.022	6.8800	4.9123	36.4932	7.07	0.000002
1	1	4	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2021	3	14	0.0780	2.341	7.2800	5.1979	30.0117	32.40	0.000028
1	1	4	2021	3	15	0.0560	2.706	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2021	3	16	0.5749	25.903	6.6500	4.7481	45.0549	12.96	0.008198
1	1	4	2021	3	17	0.5450	25.752	6.6500	4.7481	47.2522	11.66	0.002544
1	1	4	2021	3	18	0.8966	50.820	6.6500	4.7481	56.6821	10.20	0.002699
1	1	4	2021	3	19	0.9726	55.130	6.6500	4.7481	56.6821	9.88	0.001293
1	1	4	2021	3	20	0.9920	64.241	6.6500	4.7481	64.7605	8.71	0.006032
1	1	4	2021	3	21	1.2284	79.551	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2021	3	22	1.3031	169.694	6.6500	4.7481	130.2221	6.59	0.010278
1	1	4	2021	3	23	1.6274	321.924	6.6500	4.7481	197.8148	6.30	0.036527
1	1	4	2021	3	24	1.6222	13.922	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2021	3	25	0.9954	27.104	6.8800	4.9123	27.2301	6.45	0.000303
1	1	4	2021	3	26	3.8093	372.313	6.6500	4.7481	97.7390	4.36	0.003655
1	1	4	2021	3	27	3.1605	86.061	6.6500	4.7481	27.2301	6.18	0.007008
1	1	4	2021	3	28	0.1528	6.721	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	5	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	5	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	5	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	5	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	5	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	5	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	5	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	5	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	5	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	5	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	5	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	5	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	5	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	5	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	5	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	5	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	5	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	5	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278

1	1	5	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	5	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	5	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	5	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	5	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2021	1	1	0.3610	10.834	7.2800	5.3799	30.0117	24.10	0.281246
1	1	5	2021	1	2	0.2364	9.502	8.0600	5.7548	40.1957	18.50	0.101405
1	1	5	2021	1	3	0.3021	12.142	8.0600	5.7548	40.1957	18.50	0.337320
1	1	5	2021	1	4	0.5433	20.546	8.0600	5.7548	37.8166	14.20	0.103547
1	1	5	2021	1	5	0.5758	21.775	8.0600	5.7548	37.8166	14.20	0.047578
1	1	5	2021	1	6	0.6491	24.517	6.8800	4.9123	37.7707	10.13	0.027524
1	1	5	2021	1	7	0.6167	23.294	6.8800	4.9123	37.7707	9.39	0.000969
1	1	5	2021	1	8	0.5405	19.723	6.8800	4.9123	36.4932	9.35	0.000281
1	1	5	2021	1	9	0.6099	22.256	6.8800	4.9123	36.4931	8.01	0.000959
1	1	5	2021	1	10	0.6067	22.139	6.8800	4.9123	36.4932	8.14	0.001996
1	1	5	2021	1	11	0.6599	24.080	6.8800	4.9123	36.4932	7.45	0.000819
1	1	5	2021	1	12	0.7068	25.793	6.8800	4.9123	36.4932	7.07	0.000002
1	1	5	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2021	1	14	0.0844	2.534	7.2800	5.1979	30.0117	32.40	0.000028
1	1	5	2021	1	15	0.0977	4.720	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2021	1	16	0.2477	11.162	6.6500	4.7481	45.0549	12.96	0.008198
1	1	5	2021	1	17	0.2780	13.137	6.6500	4.7481	47.2522	11.66	0.002544
1	1	5	2021	1	18	0.3358	19.031	6.6500	4.7481	56.6821	10.20	0.002699
1	1	5	2021	1	19	0.3666	20.778	6.6500	4.7481	56.6821	9.88	0.001293
1	1	5	2021	1	20	0.4441	28.758	6.6500	4.7481	64.7605	8.71	0.006032
1	1	5	2021	1	21	0.5488	35.542	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2021	1	22	0.6204	80.790	6.6500	4.7481	130.2221	6.59	0.010278
1	1	5	2021	1	23	0.6966	137.790	6.6500	4.7481	197.8148	6.30	0.036527
1	1	5	2021	1	24	4.3042	36.939	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2021	1	25	1.1513	31.350	6.8800	4.9123	27.2301	6.45	0.000303
1	1	5	2021	1	26	0.5381	52.598	6.6500	4.7481	97.7390	4.36	0.003655
1	1	5	2021	1	27	0.7591	20.670	6.6500	4.7481	27.2301	6.18	0.007008
1	1	5	2021	1	28	0.2281	10.031	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2021	2	1	11.8711	356.273	7.2800	5.3799	30.0117	24.10	0.281246
1	1	5	2021	2	2	9.5079	382.176	8.0600	5.7548	40.1957	18.50	0.101405
1	1	5	2021	2	3	10.0572	404.257	8.0600	5.7548	40.1957	18.50	0.337320
1	1	5	2021	2	4	12.7037	480.411	8.0600	5.7548	37.8166	14.20	0.103547
1	1	5	2021	2	5	12.9911	491.279	8.0600	5.7548	37.8166	14.20	0.047578
1	1	5	2021	2	6	18.7994	710.065	6.8800	4.9123	37.7707	10.13	0.027524
1	1	5	2021	2	7	23.5970	891.275	6.8800	4.9123	37.7707	9.39	0.000969
1	1	5	2021	2	8	22.9662	838.110	6.8800	4.9123	36.4932	9.35	0.000281
1	1	5	2021	2	9	26.8246	978.913	6.8800	4.9123	36.4931	8.01	0.000959
1	1	5	2021	2	10	26.5498	968.885	6.8800	4.9123	36.4932	8.14	0.001996
1	1	5	2021	2	11	31.5512	1151.402	6.8800	4.9123	36.4932	7.45	0.000819
1	1	5	2021	2	12	33.6014	1226.223	6.8800	4.9123	36.4932	7.07	0.000002
1	1	5	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	5	2021	2	14	1.2747	38.255	7.2800	5.1979	30.0117	32.40	0.000028
1	1	5	2021	2	15	0.5773	27.876	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2021	2	16	0.4231	19.065	6.6500	4.7481	45.0549	12.96	0.008198
1	1	5	2021	2	17	0.4243	20.048	6.6500	4.7481	47.2522	11.66	0.002544
1	1	5	2021	2	18	0.6398	36.265	6.6500	4.7481	56.6821	10.20	0.002699
1	1	5	2021	2	19	0.6944	39.360	6.6500	4.7481	56.6821	9.88	0.001293
1	1	5	2021	2	20	0.6292	40.746	6.6500	4.7481	64.7605	8.71	0.006032
1	1	5	2021	2	21	0.7799	50.504	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2021	2	22	0.9815	127.816	6.6500	4.7481	130.2221	6.59	0.010278
1	1	5	2021	2	23	1.2087	239.089	6.6500	4.7481	197.8148	6.30	0.036527
1	1	5	2021	2	24	33.1431	284.441	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2021	2	25	37.4154	1018.826	6.8800	4.9123	27.2301	6.45	0.000303
1	1	5	2021	2	26	2.0226	197.684	6.6500	4.7481	97.7390	4.36	0.003655
1	1	5	2021	2	27	1.5835	43.118	6.6500	4.7481	27.2301	6.18	0.007008
1	1	5	2021	2	28	0.7949	34.953	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2021	3	1	0.2430	7.292	7.2800	5.3799	30.0117	24.10	0.281246
1	1	5	2021	3	2	0.1862	7.484	8.0600	5.7548	40.1957	18.50	0.101405
1	1	5	2021	3	3	0.2606	10.473	8.0600	5.7548	40.1957	18.50	0.337320
1	1	5	2021	3	4	0.5261	19.896	8.0600	5.7548	37.8166	14.20	0.103547
1	1	5	2021	3	5	0.6550	24.771	8.0600	5.7548	37.8166	14.20	0.047578
1	1	5	2021	3	6	0.3583	13.533	6.8800	4.9123	37.7707	10.13	0.027524
1	1	5	2021	3	7	0.4054	15.312	6.8800	4.9123	37.7707	9.39	0.000969
1	1	5	2021	3	8	0.3249	11.858	6.8800	4.9123	36.4932	9.35	0.000281
1	1	5	2021	3	9	0.3767	13.747	6.8800	4.9123	36.4931	8.01	0.000959
1	1	5	2021	3	10	0.3733	13.624	6.8800	4.9123	36.4932	8.14	0.001996
1	1	5	2021	3	11	0.4163	15.192	6.8800	4.9123	36.4932	7.45	0.000819
1	1	5	2021	3	12	0.4429	16.163	6.8800	4.9123	36.4932	7.07	0.000002
1	1	5	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2021	3	14	0.0755	2.265	7.2800	5.1979	30.0117	32.40	0.000028
1	1	5	2021	3	15	0.0542	2.617	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2021	3	16	0.5556	25.030	6.6500	4.7481	45.0549	12.96	0.008198
1	1	5	2021	3	17	0.5266	24.884	6.6500	4.7481	47.2522	11.66	0.002544
1	1	5	2021	3	18	0.8664	49.108	6.6500	4.7481	56.6821	10.20	0.002699
1	1	5	2021	3	19	0.9398	53.272	6.6500	4.7481	56.6821	9.88	0.001293
1	1	5	2021	3	20	0.9583	62.059	6.6500	4.7481	64.7605	8.71	0.006032
1	1	5	2021	3	21	1.1867	76.848	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2021	3	22	1.2591	163.966	6.6500	4.7481	130.2221	6.59	0.010278
1	1	5	2021	3	23	1.5726	311.093	6.6500	4.7481	197.8148	6.30	0.036527
1	1	5	2021	3	24	1.6053	13.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2021	3	25	1.0041	27.342	6.8800	4.9123	27.2301	6.45	0.000303
1	1	5	2021	3	26	3.6781	359.495	6.6500	4.7481	97.7390	4.36	0.003655
1	1	5	2021	3	27	3.0518	83.102	6.6500	4.7481	27.2301	6.18	0.007008
1	1	5	2021	3	28	0.1479	6.502	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	6	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	6	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	6	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547

1	1	6	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	6	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	6	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2021	1	1	0.3239	9.722	7.2800	5.3799	30.0117	24.10	0.281246
1	1	6	2021	1	2	0.2131	8.564	8.0600	5.7548	40.1957	18.50	0.101405
1	1	6	2021	1	3	0.2755	11.073	8.0600	5.7548	40.1957	18.50	0.337320
1	1	6	2021	1	4	0.4976	18.817	8.0600	5.7548	37.8166	14.20	0.103547
1	1	6	2021	1	5	0.5285	19.985	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2021	1	6	0.5901	22.287	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2021	1	7	0.5598	21.143	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2021	1	8	0.4910	17.918	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2021	1	9	0.5559	20.287	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2021	1	10	0.5529	20.177	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2021	1	11	0.6027	21.994	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2021	1	12	0.6466	23.596	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2021	1	14	0.0820	2.462	7.2800	5.1979	30.0117	32.40	0.000028
1	1	6	2021	1	15	0.0947	4.573	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2021	1	16	0.2389	10.765	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2021	1	17	0.2681	12.669	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2021	1	18	0.3238	18.354	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2021	1	19	0.3535	20.038	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2021	1	20	0.4283	27.735	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2021	1	21	0.5293	34.277	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2021	1	22	0.5983	77.915	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2021	1	23	0.6718	132.886	6.6500	4.7481	197.8148	6.30	0.036527

1	1	6	2021	1	24	3.9628	34.009	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2021	1	25	1.0485	28.551	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2021	1	26	0.5190	50.726	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2021	1	27	0.7321	19.934	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2021	1	28	0.2214	9.736	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2021	2	1	11.5152	345.591	7.2800	5.3799	30.0117	24.10	0.281246
1	1	6	2021	2	2	9.1998	369.791	8.0600	5.7548	40.1957	18.50	0.101405
1	1	6	2021	2	3	9.7365	391.363	8.0600	5.7548	40.1957	18.50	0.337320
1	1	6	2021	2	4	12.2533	463.379	8.0600	5.7548	37.8166	14.20	0.103547
1	1	6	2021	2	5	12.5342	474.000	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2021	2	6	17.6326	665.996	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2021	2	7	22.1325	835.959	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2021	2	8	21.5409	786.094	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2021	2	9	25.1597	918.158	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2021	2	10	24.9020	908.753	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2021	2	11	29.5930	1079.942	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2021	2	12	31.5160	1150.119	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2021	2	14	1.2159	36.491	7.2800	5.1979	30.0117	32.40	0.000028
1	1	6	2021	2	15	0.5491	26.515	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2021	2	16	0.3994	17.993	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2021	2	17	0.4004	18.921	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2021	2	18	0.6038	34.226	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2021	2	19	0.6554	37.147	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2021	2	20	0.5938	38.455	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2021	2	21	0.7360	47.665	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2021	2	22	0.9264	120.632	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2021	2	23	1.1407	225.650	6.6500	4.7481	197.8148	6.30	0.036527
1	1	6	2021	2	24	29.7304	255.153	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2021	2	25	35.0933	955.595	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2021	2	26	1.9089	186.572	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2021	2	27	1.4945	40.694	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2021	2	28	0.7571	33.293	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2021	3	1	0.2360	7.083	7.2800	5.3799	30.0117	24.10	0.281246
1	1	6	2021	3	2	0.1806	7.260	8.0600	5.7548	40.1957	18.50	0.101405
1	1	6	2021	3	3	0.2530	10.168	8.0600	5.7548	40.1957	18.50	0.337320
1	1	6	2021	3	4	0.5117	19.350	8.0600	5.7548	37.8166	14.20	0.103547
1	1	6	2021	3	5	0.6380	24.126	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2021	3	6	0.3607	13.625	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2021	3	7	0.4081	15.416	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2021	3	8	0.3271	11.938	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2021	3	9	0.3793	13.840	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2021	3	10	0.3759	13.716	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2021	3	11	0.4191	15.295	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2021	3	12	0.4459	16.272	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2021	3	14	0.0735	2.206	7.2800	5.1979	30.0117	32.40	0.000028

1	1	6	2021	3	15	0.0528	2.547	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2021	3	16	0.5405	24.351	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2021	3	17	0.5123	24.209	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2021	3	18	0.8429	47.776	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2021	3	19	0.9143	51.827	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2021	3	20	0.9321	60.362	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2021	3	21	1.1542	74.746	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2021	3	22	1.2249	159.511	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2021	3	23	1.5301	302.669	6.6500	4.7481	197.8148	6.30	0.036527
1	1	6	2021	3	24	1.5922	13.665	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2021	3	25	1.0109	27.528	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2021	3	26	3.5761	349.526	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2021	3	27	2.9673	80.801	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2021	3	28	0.1440	6.332	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	7	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2021	1	1	0.2943	8.832	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2021	1	2	0.1944	7.814	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2021	1	3	0.2542	10.218	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2021	1	4	0.4610	17.434	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2021	1	5	0.4906	18.553	8.0600	5.7548	37.8166	14.20	0.047578

1	1	7	2021	1	6	0.5428	20.503	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2021	1	7	0.5142	19.422	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2021	1	8	0.4514	16.474	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2021	1	9	0.5128	18.712	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2021	1	10	0.5099	18.608	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2021	1	11	0.5569	20.324	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2021	1	12	0.5984	21.838	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2021	1	14	0.0801	2.404	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2021	1	15	0.0923	4.456	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2021	1	16	0.2319	10.447	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2021	1	17	0.2602	12.295	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2021	1	18	0.3142	17.812	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2021	1	19	0.3431	19.447	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2021	1	20	0.4156	26.916	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2021	1	21	0.5137	33.265	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2021	1	22	0.5807	75.615	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2021	1	23	0.6519	128.962	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2021	1	24	3.6897	31.666	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2021	1	25	0.9663	26.313	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2021	1	26	0.5037	49.228	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2021	1	27	0.7105	19.346	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2021	1	28	0.2160	9.501	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2021	2	1	11.2305	337.046	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2021	2	2	8.9533	359.883	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2021	2	3	9.4798	381.049	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2021	2	4	11.8930	449.752	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2021	2	5	12.1686	460.176	8.0600	5.7548	37.8166	14.20	0.047578
1	1	7	2021	2	6	16.6992	630.740	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2021	2	7	20.9609	791.707	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2021	2	8	20.4006	744.481	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2021	2	9	23.8279	869.554	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2021	2	10	23.5838	860.647	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2021	2	11	28.0265	1022.774	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2021	2	12	29.8477	1089.236	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2021	2	14	1.1689	35.080	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2021	2	15	0.5266	25.426	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2021	2	16	0.3803	17.136	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2021	2	17	0.3813	18.020	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2021	2	18	0.5751	32.595	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2021	2	19	0.6241	35.378	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2021	2	20	0.5655	36.623	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2021	2	21	0.7009	45.394	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2021	2	22	0.8822	114.884	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2021	2	23	1.0864	214.899	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2021	2	24	27.0003	231.723	1.3500	0.9639	8.5822	50.00	0.002374

1	1	7	2021	2	25	33.2356	905.009	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2021	2	26	1.8179	177.683	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2021	2	27	1.4233	38.755	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2021	2	28	0.7269	31.964	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2021	3	1	0.2304	6.915	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2021	3	2	0.1762	7.082	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2021	3	3	0.2469	9.923	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2021	3	4	0.5001	18.912	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2021	3	5	0.6243	23.610	8.0600	5.7548	37.8166	14.20	0.047578
1	1	7	2021	3	6	0.3627	13.699	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2021	3	7	0.4103	15.499	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2021	3	8	0.3289	12.003	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2021	3	9	0.3813	13.915	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2021	3	10	0.3779	13.790	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2021	3	11	0.4214	15.378	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2021	3	12	0.4483	16.360	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2021	3	14	0.0719	2.159	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2021	3	15	0.0516	2.492	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2021	3	16	0.5284	23.808	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2021	3	17	0.5009	23.669	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2021	3	18	0.8241	46.710	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2021	3	19	0.8940	50.671	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2021	3	20	0.9111	59.004	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2021	3	21	1.1282	73.065	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2021	3	22	1.1975	155.947	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2021	3	23	1.4960	295.930	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2021	3	24	1.5817	13.574	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2021	3	25	1.0164	27.676	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2021	3	26	3.4945	341.551	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2021	3	27	2.8997	78.959	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2021	3	28	0.1409	6.196	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	8	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518

1	1	8	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	8	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2021	1	1	0.2772	8.320	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2021	1	2	0.1830	7.357	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2021	1	3	0.2402	9.656	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2021	1	4	0.4360	16.488	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2021	1	5	0.4643	17.556	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2021	1	6	0.4977	18.797	6.8800	4.9123	37.7707	10.13	0.027524
1	1	8	2021	1	7	0.4715	17.810	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2021	1	8	0.4143	15.118	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2021	1	9	0.4703	17.163	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2021	1	10	0.4677	17.068	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2021	1	11	0.5106	18.635	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2021	1	12	0.5485	20.018	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2021	1	14	0.0767	2.301	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2021	1	15	0.0880	4.248	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2021	1	16	0.2194	9.885	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2021	1	17	0.2462	11.633	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2021	1	18	0.2973	16.853	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2021	1	19	0.3246	18.399	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2021	1	20	0.3932	25.466	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2021	1	21	0.4860	31.473	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2021	1	22	0.5494	71.542	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2021	1	23	0.6168	122.017	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2021	1	24	3.4610	29.703	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2021	1	25	0.8846	24.088	6.8800	4.9123	27.2301	6.45	0.000303
1	1	8	2021	1	26	0.4765	46.577	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2021	1	27	0.6722	18.304	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2021	1	28	0.2066	9.083	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2021	2	1	11.0244	330.863	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2021	2	2	8.7646	352.299	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2021	2	3	9.2857	373.246	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2021	2	4	11.6212	439.475	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2021	2	5	11.8931	449.758	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2021	2	6	15.3462	579.638	6.8800	4.9123	37.7707	10.13	0.027524

1	1	8	2021	2	7	19.2626	727.563	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2021	2	8	18.7477	684.164	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2021	2	9	21.8974	799.103	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2021	2	10	21.6730	790.918	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2021	2	11	25.7558	939.909	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2021	2	12	27.4294	1000.987	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2021	2	14	1.0975	32.938	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2021	2	15	0.4924	23.773	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2021	2	16	0.3515	15.835	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2021	2	17	0.3524	16.651	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2021	2	18	0.5314	30.121	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2021	2	19	0.5768	32.692	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2021	2	20	0.5226	33.843	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2021	2	21	0.6477	41.948	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2021	2	22	0.8152	106.162	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2021	2	23	1.0039	198.583	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2021	2	24	24.8287	213.086	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2021	2	25	30.5428	831.686	6.8800	4.9123	27.2301	6.45	0.000303
1	1	8	2021	2	26	1.6799	164.193	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2021	2	27	1.3152	35.813	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2021	2	28	0.6810	29.948	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2021	3	1	0.2216	6.650	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2021	3	2	0.1691	6.799	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2021	3	3	0.2373	9.540	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2021	3	4	0.4824	18.241	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2021	3	5	0.6039	22.838	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2021	3	6	0.3674	13.879	6.8800	4.9123	37.7707	10.13	0.027524
1	1	8	2021	3	7	0.4157	15.703	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2021	3	8	0.3332	12.161	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2021	3	9	0.3863	14.098	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2021	3	10	0.3828	13.971	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2021	3	11	0.4269	15.580	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2021	3	12	0.4542	16.575	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2021	3	14	0.0693	2.080	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2021	3	15	0.0497	2.398	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2021	3	16	0.5082	22.897	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2021	3	17	0.4817	22.763	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2021	3	18	0.7925	44.922	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2021	3	19	0.8597	48.731	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2021	3	20	0.8759	56.725	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2021	3	21	1.0847	70.243	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2021	3	22	1.1516	149.966	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2021	3	23	1.4388	284.622	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2021	3	24	1.5874	13.624	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2021	3	25	1.0297	28.040	6.8800	4.9123	27.2301	6.45	0.000303

1	1	8	2021	3	26	3.3576	328.168	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2021	3	27	2.7862	75.870	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2021	3	28	0.1357	5.968	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	9	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	9	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2021	1	1	0.2630	7.894	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2021	1	2	0.1736	6.977	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2021	1	3	0.2286	9.188	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2021	1	4	0.4152	15.700	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2021	1	5	0.4423	16.726	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2021	1	6	0.4600	17.376	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2021	1	7	0.4360	16.466	6.8800	4.9123	37.7707	9.39	0.000969
1	1	9	2021	1	8	0.3833	13.988	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2021	1	9	0.4349	15.871	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2021	1	10	0.4325	15.784	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2021	1	11	0.4721	17.228	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2021	1	12	0.5070	18.501	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2021	1	14	0.0738	2.216	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2021	1	15	0.0844	4.075	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2021	1	16	0.2090	9.416	6.6500	4.7481	45.0549	12.96	0.008198

1	1	9	2021	1	17	0.2345	11.081	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2021	1	18	0.2832	16.053	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2021	1	19	0.3092	17.526	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2021	1	20	0.3746	24.258	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2021	1	21	0.4629	29.980	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2021	1	22	0.5233	68.148	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2021	1	23	0.5876	116.228	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2021	1	24	3.2704	28.067	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2021	1	25	0.8166	22.235	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2021	1	26	0.4539	44.367	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2021	1	27	0.6403	17.436	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2021	1	28	0.1987	8.736	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2021	2	1	10.8527	325.710	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2021	2	2	8.6074	345.979	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2021	2	3	9.1239	366.743	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2021	2	4	11.3947	430.911	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2021	2	5	11.6635	441.076	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2021	2	6	14.2188	537.053	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2021	2	7	17.8474	674.110	6.8800	4.9123	37.7707	9.39	0.000969
1	1	9	2021	2	8	17.3704	633.899	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2021	2	9	20.2886	740.394	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2021	2	10	20.0808	732.810	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2021	2	11	23.8635	870.856	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2021	2	12	25.4142	927.446	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2021	2	14	1.0380	31.154	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2021	2	15	0.4638	22.397	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2021	2	16	0.3274	14.751	6.6500	4.7481	45.0549	12.96	0.008198
1	1	9	2021	2	17	0.3283	15.511	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2021	2	18	0.4950	28.059	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2021	2	19	0.5373	30.453	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2021	2	20	0.4868	31.526	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2021	2	21	0.6034	39.076	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2021	2	22	0.7594	98.894	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2021	2	23	0.9352	184.987	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2021	2	24	23.0190	197.555	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2021	2	25	28.2989	770.583	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2021	2	26	1.5649	152.951	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2021	2	27	1.2252	33.361	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2021	2	28	0.6428	28.269	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2021	3	1	0.2142	6.429	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2021	3	2	0.1633	6.563	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2021	3	3	0.2294	9.220	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2021	3	4	0.4676	17.682	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2021	3	5	0.5869	22.195	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2021	3	6	0.3714	14.029	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2021	3	7	0.4202	15.873	6.8800	4.9123	37.7707	9.39	0.000969

1	1	9	2021	3	8	0.3368	12.292	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2021	3	9	0.3905	14.251	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2021	3	10	0.3870	14.123	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2021	3	11	0.4315	15.748	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2021	3	12	0.4591	16.755	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2021	3	14	0.0671	2.014	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2021	3	15	0.0481	2.321	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2021	3	16	0.4913	22.137	6.6500	4.7481	45.0549	12.96	0.008198
1	1	9	2021	3	17	0.4658	22.008	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2021	3	18	0.7662	43.432	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2021	3	19	0.8312	47.115	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2021	3	20	0.8466	54.827	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2021	3	21	1.0484	67.892	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2021	3	22	1.1133	144.982	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2021	3	23	1.3912	275.199	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2021	3	24	1.5922	13.665	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2021	3	25	1.0409	28.344	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2021	3	26	3.2435	317.016	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2021	3	27	2.6917	73.295	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2021	3	28	0.1314	5.778	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	10	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655

1	1	10	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2021	1	1	0.2510	7.533	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2021	1	2	0.1656	6.655	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2021	1	3	0.2187	8.792	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2021	1	4	0.3975	15.033	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2021	1	5	0.4237	16.024	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2021	1	6	0.4282	16.173	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2021	1	7	0.4059	15.329	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2021	1	8	0.3571	13.031	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2021	1	9	0.4050	14.779	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2021	1	10	0.4027	14.698	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2021	1	11	0.4395	16.037	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2021	1	12	0.4718	17.218	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2021	1	14	0.0714	2.144	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2021	1	15	0.0814	3.929	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2021	1	16	0.2002	9.019	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2021	1	17	0.2246	10.614	6.6500	4.7481	47.2522	11.66	0.002544
1	1	10	2021	1	18	0.2713	15.377	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2021	1	19	0.2962	16.788	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2021	1	20	0.3588	23.236	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2021	1	21	0.4434	28.717	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2021	1	22	0.5013	65.277	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2021	1	23	0.5628	111.331	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2021	1	24	3.1091	26.683	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2021	1	25	0.7590	20.666	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2021	1	26	0.4348	42.498	6.6500	4.7481	97.7390	4.36	0.003655
1	1	10	2021	1	27	0.6133	16.701	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2021	1	28	0.1920	8.442	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2021	2	1	10.7075	321.349	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2021	2	2	8.4743	340.631	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2021	2	3	8.9871	361.241	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2021	2	4	11.2031	423.664	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2021	2	5	11.4693	433.730	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2021	2	6	13.2648	501.019	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2021	2	7	16.6500	628.881	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2021	2	8	16.2049	591.367	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2021	2	9	18.9273	690.718	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2021	2	10	18.7334	683.642	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2021	2	11	22.2624	812.425	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2021	2	12	23.7091	865.219	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2021	2	14	0.9877	29.644	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2021	2	15	0.4397	21.231	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2021	2	16	0.3070	13.833	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2021	2	17	0.3079	14.547	6.6500	4.7481	47.2522	11.66	0.002544

1	1	10	2021	2	18	0.4642	26.314	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2021	2	19	0.5039	28.560	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2021	2	20	0.4565	29.565	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2021	2	21	0.5659	36.645	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2021	2	22	0.7122	92.744	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2021	2	23	0.8770	173.483	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2021	2	24	21.4878	184.413	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2021	2	25	26.4002	718.881	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2021	2	26	1.4676	143.439	6.6500	4.7481	97.7390	4.36	0.003655
1	1	10	2021	2	27	1.1490	31.286	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2021	2	28	0.6105	26.847	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2021	3	1	0.2080	6.243	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2021	3	2	0.1583	6.364	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2021	3	3	0.2227	8.950	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2021	3	4	0.4550	17.208	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2021	3	5	0.5725	21.651	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2021	3	6	0.3748	14.156	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2021	3	7	0.4241	16.017	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2021	3	8	0.3399	12.404	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2021	3	9	0.3940	14.380	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2021	3	10	0.3905	14.251	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2021	3	11	0.4355	15.891	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2021	3	12	0.4633	16.906	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2021	3	14	0.0652	1.958	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2021	3	15	0.0467	2.255	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2021	3	16	0.4771	21.495	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2021	3	17	0.4522	21.369	6.6500	4.7481	47.2522	11.66	0.002544
1	1	10	2021	3	18	0.7440	42.171	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2021	3	19	0.8071	45.747	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2021	3	20	0.8218	53.220	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2021	3	21	1.0176	65.903	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2021	3	22	1.0810	140.765	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2021	3	23	1.3509	267.225	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2021	3	24	1.5963	13.700	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2021	3	25	1.0503	28.600	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2021	3	26	3.1469	307.580	6.6500	4.7481	97.7390	4.36	0.003655
1	1	10	2021	3	27	2.6117	71.116	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2021	3	28	0.1277	5.617	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281

1	1	11	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	11	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	11	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2021	1	1	0.2407	7.224	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2021	1	2	0.1587	6.379	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2021	1	3	0.2103	8.453	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2021	1	4	0.3824	14.461	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2021	1	5	0.4078	15.421	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2021	1	6	0.4009	15.142	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2021	1	7	0.3801	14.355	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2021	1	8	0.3346	12.212	6.8800	4.9123	36.4932	9.35	0.000281
1	1	11	2021	1	9	0.3793	13.842	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2021	1	10	0.3772	13.767	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2021	1	11	0.4115	15.016	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2021	1	12	0.4417	16.118	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2021	1	14	0.0694	2.082	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2021	1	15	0.0788	3.803	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2021	1	16	0.1926	8.679	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2021	1	17	0.2162	10.214	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2021	1	18	0.2611	14.797	6.6500	4.7481	56.6821	10.20	0.002699
1	1	11	2021	1	19	0.2850	16.155	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2021	1	20	0.3453	22.360	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2021	1	21	0.4267	27.634	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2021	1	22	0.4824	62.815	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2021	1	23	0.5416	107.133	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2021	1	24	2.9709	25.497	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2021	1	25	0.7096	19.322	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2021	1	26	0.4184	40.895	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2021	1	27	0.5902	16.071	6.6500	4.7481	27.2301	6.18	0.007008

1	1	11	2021	1	28	0.1862	8.189	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2021	2	1	10.5829	317.612	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2021	2	2	8.3603	336.047	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2021	2	3	8.8697	356.525	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2021	2	4	11.0389	417.453	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2021	2	5	11.3028	427.433	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2021	2	6	12.4470	470.133	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2021	2	7	15.6236	590.112	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2021	2	8	15.2059	554.912	6.8800	4.9123	36.4932	9.35	0.000281
1	1	11	2021	2	9	17.7605	648.137	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2021	2	10	17.5786	641.498	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2021	2	11	20.8900	762.342	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2021	2	12	22.2475	811.881	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2021	2	14	0.9446	28.349	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2021	2	15	0.4190	20.233	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2021	2	16	0.2896	13.047	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2021	2	17	0.2904	13.720	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2021	2	18	0.4378	24.818	6.6500	4.7481	56.6821	10.20	0.002699
1	1	11	2021	2	19	0.4752	26.936	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2021	2	20	0.4306	27.885	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2021	2	21	0.5337	34.563	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2021	2	22	0.6717	87.472	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2021	2	23	0.8271	163.622	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2021	2	24	20.1753	173.149	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2021	2	25	24.7727	674.564	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2021	2	26	1.3842	135.286	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2021	2	27	1.0837	29.508	6.6500	4.7481	27.2301	6.18	0.007008
1	1	11	2021	2	28	0.5828	25.629	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2021	3	1	0.2027	6.083	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2021	3	2	0.1541	6.193	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2021	3	3	0.2169	8.719	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2021	3	4	0.4443	16.803	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2021	3	5	0.5602	21.185	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2021	3	6	0.3777	14.265	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2021	3	7	0.4273	16.140	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2021	3	8	0.3425	12.499	6.8800	4.9123	36.4932	9.35	0.000281
1	1	11	2021	3	9	0.3971	14.490	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2021	3	10	0.3935	14.360	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2021	3	11	0.4388	16.013	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2021	3	12	0.4668	17.037	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2021	3	14	0.0636	1.910	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2021	3	15	0.0455	2.199	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2021	3	16	0.4648	20.944	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2021	3	17	0.4406	20.821	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2021	3	18	0.7249	41.090	6.6500	4.7481	56.6821	10.20	0.002699

1	1	11	2021	3	19	0.7864	44.575	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2021	3	20	0.8005	51.843	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2021	3	21	0.9913	64.197	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2021	3	22	1.0532	137.150	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2021	3	23	1.3163	260.390	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2021	3	24	1.5998	13.730	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2021	3	25	1.0584	28.820	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2021	3	26	3.0642	299.491	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2021	3	27	2.5431	69.249	6.6500	4.7481	27.2301	6.18	0.007008
1	1	11	2021	3	28	0.1246	5.479	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	12	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2021	1	1	0.2318	6.955	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2021	1	2	0.1528	6.140	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2021	1	3	0.2030	8.159	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2021	1	4	0.3693	13.965	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2021	1	5	0.3940	14.900	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2021	1	6	0.3772	14.248	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2021	1	7	0.3577	13.510	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2021	1	8	0.3152	11.502	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2021	1	9	0.3571	13.031	6.8800	4.9123	36.4931	8.01	0.000959

1	1	12	2021	1	10	0.3551	12.960	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2021	1	11	0.3872	14.132	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2021	1	12	0.4156	15.165	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2021	1	14	0.0676	2.028	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2021	1	15	0.0765	3.694	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2021	1	16	0.1861	8.384	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2021	1	17	0.2088	9.867	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2021	1	18	0.2522	14.295	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2021	1	19	0.2753	15.606	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2021	1	20	0.3335	21.600	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2021	1	21	0.4122	26.696	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2021	1	22	0.4660	60.682	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2021	1	23	0.5232	103.495	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2021	1	24	2.8511	24.469	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2021	1	25	0.6668	18.157	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2021	1	26	0.4042	39.506	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2021	1	27	0.5702	15.525	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2021	1	28	0.1813	7.971	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2021	2	1	10.4750	314.373	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2021	2	2	8.2614	332.074	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2021	2	3	8.7680	352.438	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2021	2	4	10.8965	412.070	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2021	2	5	11.1585	421.976	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2021	2	6	11.7383	443.365	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2021	2	7	14.7340	556.513	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2021	2	8	14.3401	523.317	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2021	2	9	16.7493	611.234	6.8800	4.9123	36.4931	8.01	0.000959
1	1	12	2021	2	10	16.5777	604.973	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2021	2	11	19.7006	718.937	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2021	2	12	20.9808	765.655	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2021	2	14	0.9072	27.228	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2021	2	15	0.4011	19.367	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2021	2	16	0.2745	12.366	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2021	2	17	0.2752	13.003	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2021	2	18	0.4150	23.522	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2021	2	19	0.4504	25.529	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2021	2	20	0.4081	26.428	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2021	2	21	0.5058	32.757	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2021	2	22	0.6366	82.903	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2021	2	23	0.7839	155.076	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2021	2	24	19.0378	163.387	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2021	2	25	23.3622	636.157	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2021	2	26	1.3119	128.220	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2021	2	27	1.0271	27.967	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2021	2	28	0.5588	24.573	8.0600	5.7548	43.9743	17.00	0.002242

1	1	12	2021	3	1	0.1981	5.944	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2021	3	2	0.1504	6.045	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2021	3	3	0.2119	8.518	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2021	3	4	0.4350	16.451	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2021	3	5	0.5495	20.781	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2021	3	6	0.3802	14.359	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2021	3	7	0.4301	16.247	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2021	3	8	0.3448	12.582	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2021	3	9	0.3997	14.586	6.8800	4.9123	36.4931	8.01	0.000959
1	1	12	2021	3	10	0.3961	14.455	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2021	3	11	0.4417	16.119	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2021	3	12	0.4699	17.149	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2021	3	14	0.0623	1.869	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2021	3	15	0.0445	2.150	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2021	3	16	0.4543	20.466	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2021	3	17	0.4306	20.347	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2021	3	18	0.7084	40.153	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2021	3	19	0.7685	43.559	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2021	3	20	0.7821	50.649	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2021	3	21	0.9685	62.719	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2021	3	22	1.0291	134.017	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2021	3	23	1.2864	254.467	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2021	3	24	1.6028	13.756	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2021	3	25	1.0654	29.011	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2021	3	26	2.9925	292.481	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2021	3	27	2.4837	67.631	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2021	3	28	0.1219	5.359	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	13	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293

1	1	13	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2021	1	1	0.2239	6.721	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2021	1	2	0.1476	5.931	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2021	1	3	0.1966	7.901	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2021	1	4	0.3578	13.532	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2021	1	5	0.3819	14.443	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2021	1	6	0.3527	13.322	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2021	1	7	0.3346	12.637	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2021	1	8	0.2950	10.767	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2021	1	9	0.3339	12.186	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2021	1	10	0.3321	12.120	6.8800	4.9123	36.4932	8.14	0.001996
1	1	13	2021	1	11	0.3619	13.208	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2021	1	12	0.3882	14.167	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2021	1	14	0.0653	1.959	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2021	1	15	0.0736	3.555	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2021	1	16	0.1777	8.008	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2021	1	17	0.1994	9.424	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2021	1	18	0.2409	13.653	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2021	1	19	0.2630	14.905	6.6500	4.7481	56.6821	9.88	0.001293
1	1	13	2021	1	20	0.3186	20.630	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2021	1	21	0.3937	25.497	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2021	1	22	0.4451	57.957	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2021	1	23	0.4997	98.847	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2021	1	24	2.7543	23.638	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2021	1	25	0.6222	16.943	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2021	1	26	0.3861	37.732	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2021	1	27	0.5445	14.828	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2021	1	28	0.1749	7.692	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2021	2	1	10.3806	311.539	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2021	2	2	8.1750	328.598	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2021	2	3	8.6791	348.861	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2021	2	4	10.7720	407.359	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2021	2	5	11.0322	417.201	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2021	2	6	10.9832	414.843	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2021	2	7	13.7861	520.712	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2021	2	8	13.4176	489.651	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2021	2	9	15.6718	571.913	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2021	2	10	15.5112	566.054	6.8800	4.9123	36.4932	8.14	0.001996

1	1	13	2021	2	11	18.4332	672.687	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2021	2	12	19.6311	716.399	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2021	2	14	0.8657	25.982	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2021	2	15	0.3812	18.406	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2021	2	16	0.2577	11.609	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2021	2	17	0.2583	12.208	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2021	2	18	0.3896	22.082	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2021	2	19	0.4228	23.967	6.6500	4.7481	56.6821	9.88	0.001293
1	1	13	2021	2	20	0.3831	24.811	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2021	2	21	0.4749	30.753	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2021	2	22	0.5977	77.830	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2021	2	23	0.7360	145.586	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2021	2	24	18.1213	155.521	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2021	2	25	21.8593	595.232	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2021	2	26	1.2316	120.374	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2021	2	27	0.9642	26.255	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2021	2	28	0.5321	23.400	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2021	3	1	0.1940	5.823	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2021	3	2	0.1472	5.915	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2021	3	3	0.2075	8.342	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2021	3	4	0.4269	16.143	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2021	3	5	0.5402	20.427	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2021	3	6	0.3845	14.525	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2021	3	7	0.4351	16.434	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2021	3	8	0.3487	12.727	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2021	3	9	0.4043	14.754	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2021	3	10	0.4007	14.622	6.8800	4.9123	36.4932	8.14	0.001996
1	1	13	2021	3	11	0.4468	16.305	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2021	3	12	0.4753	17.347	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2021	3	14	0.0606	1.820	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2021	3	15	0.0433	2.093	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2021	3	16	0.4418	19.907	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2021	3	17	0.4188	19.791	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2021	3	18	0.6890	39.056	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2021	3	19	0.7475	42.368	6.6500	4.7481	56.6821	9.88	0.001293
1	1	13	2021	3	20	0.7605	49.251	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2021	3	21	0.9417	60.988	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2021	3	22	1.0010	130.348	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2021	3	23	1.2513	247.528	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2021	3	24	1.6234	13.932	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2021	3	25	1.0777	29.345	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2021	3	26	2.9085	284.270	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2021	3	27	2.4140	65.735	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2021	3	28	0.1187	5.219	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246

1	1	14	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	14	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	14	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2021	1	1	0.2170	6.514	7.2800	5.3799	30.0117	24.10	0.281246
1	1	14	2021	1	2	0.1430	5.747	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2021	1	3	0.1909	7.674	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2021	1	4	0.3477	13.149	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2021	1	5	0.3713	14.040	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2021	1	6	0.3311	12.505	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2021	1	7	0.3142	11.867	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2021	1	8	0.2773	10.119	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2021	1	9	0.3135	11.441	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2021	1	10	0.3118	11.380	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2021	1	11	0.3396	12.393	6.8800	4.9123	36.4932	7.45	0.000819
1	1	14	2021	1	12	0.3641	13.286	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2021	1	14	0.0633	1.899	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2021	1	15	0.0711	3.433	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2021	1	16	0.1704	7.675	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2021	1	17	0.1912	9.033	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2021	1	18	0.2309	13.086	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2021	1	19	0.2521	14.287	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2021	1	20	0.3053	19.775	6.6500	4.7481	64.7605	8.71	0.006032

1	1	14	2021	1	21	0.3774	24.439	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2021	1	22	0.4266	55.553	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2021	1	23	0.4790	94.746	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2021	1	24	2.6689	22.905	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2021	1	25	0.5829	15.872	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2021	1	26	0.3700	36.167	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2021	1	27	0.5220	14.213	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2021	1	28	0.1693	7.445	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2021	2	1	10.2973	309.038	7.2800	5.3799	30.0117	24.10	0.281246
1	1	14	2021	2	2	8.0987	325.531	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2021	2	3	8.6006	345.706	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2021	2	4	10.6621	403.203	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2021	2	5	10.9208	412.988	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2021	2	6	10.3169	389.676	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2021	2	7	12.9498	489.122	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2021	2	8	12.6036	459.946	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2021	2	9	14.7210	537.217	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2021	2	10	14.5702	531.714	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2021	2	11	17.3150	631.877	6.8800	4.9123	36.4932	7.45	0.000819
1	1	14	2021	2	12	18.4401	672.938	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2021	2	14	0.8291	24.883	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2021	2	15	0.3636	17.558	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2021	2	16	0.2428	10.941	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2021	2	17	0.2435	11.505	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2021	2	18	0.3672	20.812	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2021	2	19	0.3985	22.589	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2021	2	20	0.3611	23.384	6.6500	4.7481	64.7605	8.71	0.006032
1	1	14	2021	2	21	0.4476	28.984	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2021	2	22	0.5633	73.354	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2021	2	23	0.6936	137.213	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2021	2	24	17.3127	148.581	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2021	2	25	20.5332	559.121	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2021	2	26	1.1607	113.450	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2021	2	27	0.9087	24.745	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2021	2	28	0.5086	22.366	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2021	3	1	0.1904	5.715	7.2800	5.3799	30.0117	24.10	0.281246
1	1	14	2021	3	2	0.1443	5.801	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2021	3	3	0.2037	8.187	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2021	3	4	0.4197	15.872	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2021	3	5	0.5319	20.115	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2021	3	6	0.3884	14.670	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2021	3	7	0.4395	16.599	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2021	3	8	0.3522	12.854	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2021	3	9	0.4084	14.902	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2021	3	10	0.4047	14.768	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2021	3	11	0.4513	16.469	6.8800	4.9123	36.4932	7.45	0.000819

1	1	14	2021	3	12	0.4801	17.521	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2021	3	14	0.0592	1.777	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2021	3	15	0.0423	2.042	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2021	3	16	0.4309	19.414	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2021	3	17	0.4084	19.300	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2021	3	18	0.6720	38.088	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2021	3	19	0.7289	41.318	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2021	3	20	0.7415	48.018	6.6500	4.7481	64.7605	8.71	0.006032
1	1	14	2021	3	21	0.9182	59.460	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2021	3	22	0.9761	127.110	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2021	3	23	1.2204	241.406	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2021	3	24	1.6416	14.088	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2021	3	25	1.0885	29.640	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2021	3	26	2.8343	277.024	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2021	3	27	2.3526	64.062	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2021	3	28	0.1159	5.095	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	15	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2021	1	1	0.2109	6.330	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2021	1	2	0.1389	5.583	8.0600	5.7548	40.1957	18.50	0.101405

1	1	15	2021	1	3	0.1859	7.472	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2021	1	4	0.3387	12.809	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2021	1	5	0.3618	13.682	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2021	1	6	0.3118	11.779	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2021	1	7	0.2961	11.182	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2021	1	8	0.2615	9.543	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2021	1	9	0.2954	10.779	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2021	1	10	0.2938	10.721	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2021	1	11	0.3197	11.668	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2021	1	12	0.3426	12.503	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2021	1	14	0.0615	1.845	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2021	1	15	0.0688	3.324	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2021	1	16	0.1638	7.380	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2021	1	17	0.1838	8.686	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2021	1	18	0.2220	12.583	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2021	1	19	0.2424	13.737	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2021	1	20	0.2936	19.014	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2021	1	21	0.3629	23.499	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2021	1	22	0.4102	53.415	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2021	1	23	0.4605	91.101	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2021	1	24	2.5930	22.254	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2021	1	25	0.5479	14.920	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2021	1	26	0.3558	34.775	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2021	1	27	0.5019	13.666	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2021	1	28	0.1643	7.226	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2021	2	1	10.2232	306.815	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2021	2	2	8.0308	322.805	8.0600	5.7548	40.1957	18.50	0.101405
1	1	15	2021	2	3	8.5308	342.901	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2021	2	4	10.5644	399.509	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2021	2	5	10.8218	409.243	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2021	2	6	9.7246	367.305	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2021	2	7	12.2064	461.043	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2021	2	8	11.8801	433.541	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2021	2	9	13.8759	506.376	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2021	2	10	13.7338	501.189	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2021	2	11	16.3209	595.602	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2021	2	12	17.3815	634.306	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2021	2	14	0.7966	23.906	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2021	2	15	0.3480	16.804	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2021	2	16	0.2297	10.348	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2021	2	17	0.2303	10.881	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2021	2	18	0.3473	19.683	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2021	2	19	0.3769	21.363	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2021	2	20	0.3415	22.115	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2021	2	21	0.4233	27.412	6.6500	4.7481	64.7605	7.53	0.008655

1	1	15	2021	2	22	0.5327	69.374	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2021	2	23	0.6560	129.769	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2021	2	24	16.5939	142.412	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2021	2	25	19.3544	527.023	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2021	2	26	1.0978	107.296	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2021	2	27	0.8595	23.403	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2021	2	28	0.4877	21.446	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2021	3	1	0.1873	5.620	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2021	3	2	0.1418	5.699	8.0600	5.7548	40.1957	18.50	0.101405
1	1	15	2021	3	3	0.2003	8.049	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2021	3	4	0.4133	15.631	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2021	3	5	0.5246	19.838	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2021	3	6	0.3918	14.800	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2021	3	7	0.4433	16.745	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2021	3	8	0.3554	12.968	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2021	3	9	0.4120	15.034	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2021	3	10	0.4083	14.899	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2021	3	11	0.4553	16.614	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2021	3	12	0.4844	17.676	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2021	3	14	0.0579	1.739	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2021	3	15	0.0414	1.997	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2021	3	16	0.4212	18.975	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2021	3	17	0.3992	18.864	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2021	3	18	0.6568	37.227	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2021	3	19	0.7125	40.385	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2021	3	20	0.7245	46.921	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2021	3	21	0.8972	58.102	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2021	3	22	0.9540	124.231	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2021	3	23	1.1929	235.963	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2021	3	24	1.6577	14.227	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2021	3	25	1.0981	29.901	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2021	3	26	2.7684	270.583	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2021	3	27	2.2980	62.575	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2021	3	28	0.1134	4.985	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	16	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002

1	1	16	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	16	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	16	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	16	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	16	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	16	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2021	1	1	0.2054	6.165	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2021	1	2	0.1352	5.436	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2021	1	3	0.1814	7.292	8.0600	5.7548	40.1957	18.50	0.337320
1	1	16	2021	1	4	0.3307	12.505	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2021	1	5	0.3533	13.361	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2021	1	6	0.2946	11.129	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2021	1	7	0.2798	10.570	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2021	1	8	0.2474	9.028	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2021	1	9	0.2791	10.186	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2021	1	10	0.2776	10.132	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2021	1	11	0.3020	11.020	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2021	1	12	0.3234	11.803	6.8800	4.9123	36.4932	7.07	0.000002
1	1	16	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2021	1	14	0.0599	1.797	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2021	1	15	0.0668	3.226	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2021	1	16	0.1579	7.116	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2021	1	17	0.1772	8.375	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2021	1	18	0.2140	12.132	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2021	1	19	0.2337	13.245	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2021	1	20	0.2831	18.333	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2021	1	21	0.3499	22.657	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2021	1	22	0.3955	51.503	6.6500	4.7481	130.2221	6.59	0.010278
1	1	16	2021	1	23	0.4440	87.839	6.6500	4.7481	197.8148	6.30	0.036527
1	1	16	2021	1	24	2.5251	21.671	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2021	1	25	0.5167	14.069	6.8800	4.9123	27.2301	6.45	0.000303
1	1	16	2021	1	26	0.3431	33.530	6.6500	4.7481	97.7390	4.36	0.003655
1	1	16	2021	1	27	0.4839	13.177	6.6500	4.7481	27.2301	6.18	0.007008
1	1	16	2021	1	28	0.1599	7.031	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2021	2	1	10.1569	304.827	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2021	2	2	7.9701	320.365	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2021	2	3	8.4683	340.391	8.0600	5.7548	40.1957	18.50	0.337320

1	1	16	2021	2	4	10.4770	396.203	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2021	2	5	10.7332	405.892	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2021	2	6	9.1947	347.290	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2021	2	7	11.5412	435.919	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2021	2	8	11.2327	409.916	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2021	2	9	13.1198	478.782	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2021	2	10	12.9854	473.878	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2021	2	11	15.4315	563.146	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2021	2	12	16.4343	599.740	6.8800	4.9123	36.4932	7.07	0.000002
1	1	16	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2021	2	14	0.7674	23.032	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2021	2	15	0.3341	16.130	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2021	2	16	0.2179	9.817	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2021	2	17	0.2185	10.323	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2021	2	18	0.3294	18.673	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2021	2	19	0.3576	20.267	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2021	2	20	0.3240	20.980	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2021	2	21	0.4016	26.005	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2021	2	22	0.5054	65.814	6.6500	4.7481	130.2221	6.59	0.010278
1	1	16	2021	2	23	0.6223	123.110	6.6500	4.7481	197.8148	6.30	0.036527
1	1	16	2021	2	24	15.9508	136.893	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2021	2	25	18.2997	498.304	6.8800	4.9123	27.2301	6.45	0.000303
1	1	16	2021	2	26	1.0414	101.790	6.6500	4.7481	97.7390	4.36	0.003655
1	1	16	2021	2	27	0.8153	22.202	6.6500	4.7481	27.2301	6.18	0.007008
1	1	16	2021	2	28	0.4690	20.623	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2021	3	1	0.1844	5.535	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2021	3	2	0.1395	5.608	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2021	3	3	0.1972	7.926	8.0600	5.7548	40.1957	18.50	0.337320
1	1	16	2021	3	4	0.4076	15.415	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2021	3	5	0.5180	19.590	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2021	3	6	0.3949	14.916	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2021	3	7	0.4468	16.877	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2021	3	8	0.3581	13.070	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2021	3	9	0.4152	15.152	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2021	3	10	0.4115	15.016	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2021	3	11	0.4588	16.744	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2021	3	12	0.4881	17.814	6.8800	4.9123	36.4932	7.07	0.000002
1	1	16	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2021	3	14	0.0568	1.705	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2021	3	15	0.0405	1.957	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2021	3	16	0.4124	18.582	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2021	3	17	0.3910	18.474	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2021	3	18	0.6432	36.457	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2021	3	19	0.6977	39.549	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2021	3	20	0.7094	45.940	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2021	3	21	0.8784	56.888	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2021	3	22	0.9342	121.656	6.6500	4.7481	130.2221	6.59	0.010278

1	1	16	2021	3	23	1.1682	231.094	6.6500	4.7481	197.8148	6.30	0.036527
1	1	16	2021	3	24	1.6721	14.351	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2021	3	25	1.1067	30.136	6.8800	4.9123	27.2301	6.45	0.000303
1	1	16	2021	3	26	2.7095	264.821	6.6500	4.7481	97.7390	4.36	0.003655
1	1	16	2021	3	27	2.2491	61.245	6.6500	4.7481	27.2301	6.18	0.007008
1	1	16	2021	3	28	0.1111	4.887	8.0600	5.7548	43.9743	17.00	0.002242
1	1	17	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	17	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	17	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	17	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	17	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	17	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	17	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	17	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	17	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	17	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	17	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	17	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	17	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	17	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	17	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	17	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	17	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	17	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	17	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	17	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	17	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	17	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	17	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	17	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	17	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	17	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	17	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	17	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	17	2021	1	1	0.2005	6.017	7.2800	5.3799	30.0117	24.10	0.281246
1	1	17	2021	1	2	0.1319	5.304	8.0600	5.7548	40.1957	18.50	0.101405
1	1	17	2021	1	3	0.1774	7.129	8.0600	5.7548	40.1957	18.50	0.337320
1	1	17	2021	1	4	0.3234	12.231	8.0600	5.7548	37.8166	14.20	0.103547
1	1	17	2021	1	5	0.3457	13.073	8.0600	5.7548	37.8166	14.20	0.047578
1	1	17	2021	1	6	0.2792	10.544	6.8800	4.9123	37.7707	10.13	0.027524
1	1	17	2021	1	7	0.2652	10.018	6.8800	4.9123	37.7707	9.39	0.000969
1	1	17	2021	1	8	0.2347	8.564	6.8800	4.9123	36.4932	9.35	0.000281
1	1	17	2021	1	9	0.2645	9.653	6.8800	4.9123	36.4931	8.01	0.000959
1	1	17	2021	1	10	0.2631	9.602	6.8800	4.9123	36.4932	8.14	0.001996
1	1	17	2021	1	11	0.2860	10.437	6.8800	4.9123	36.4932	7.45	0.000819
1	1	17	2021	1	12	0.3062	11.173	6.8800	4.9123	36.4932	7.07	0.000002
1	1	17	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	17	2021	1	14	0.0584	1.754	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	17	2021	1	15	0.0650	3.139	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	17	2021	1	16	0.1527	6.878	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	17	2021	1	17	0.1713	8.095	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	17	2021	1	18	0.2069	11.727	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	17	2021	1	19	0.2259	12.803	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	17	2021	1	20	0.2736	17.720	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	17	2021	1	21	0.3382	21.900	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	17	2021	1	22	0.3823	49.782	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	17	2021	1	23	0.4292	84.904	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	17	2021	1	24	2.4640	21.146	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	17	2021	1	25	0.4885	13.302	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	17	2021	1	26	0.3316	32.410	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	17	2021	1	27	0.4677	12.737	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	17	2021	1	28	0.1559	6.854	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	17	2021	2	1	10.0973	303.037	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	17	2021	2	2	7.9155	318.170	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	17	2021	2	3	8.4121	338.132	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	17	2021	2	4	10.3983	393.228	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	17	2021	2	5	10.6534	402.876	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	17	2021	2	6	8.7177	329.275	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	17	2021	2	7	10.9425	413.307	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	17	2021	2	8	10.6500	388.653	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	17	2021	2	9	12.4392	453.947	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	17	2021	2	10	12.3118	449.297	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	17	2021	2	11	14.6311	533.935	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	17	2021	2	12	15.5819	568.631	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	17	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	17	2021	2	14	0.7412	22.245	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	17	2021	2	15	0.3215	15.523	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	17	2021	2	16	0.2073	9.339	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	17	2021	2	17	0.2078	9.820	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	17	2021	2	18	0.3134	17.764	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	17	2021	2	19	0.3401	19.280	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	17	2021	2	20	0.3082	19.959	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	17	2021	2	21	0.3820	24.739	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	17	2021	2	22	0.4808	62.610	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	17	2021	2	23	0.5920	117.116	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	17	2021	2	24	15.3719	131.925	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	17	2021	2	25	17.3505	472.456	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	17	2021	2	26	0.9907	96.834	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	17	2021	2	27	0.7756	21.121	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	17	2021	2	28	0.4521	19.883	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	17	2021	3	1	0.1819	5.458	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	17	2021	3	2	0.1375	5.526	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	17	2021	3	3	0.1944	7.815	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	17	2021	3	4	0.4025	15.221	8.0600	5.7548	37.8166	14.20
0.103547											

1	1	17	2021	3	5	0.5121	19.367	8.0600	5.7548	37.8166	14.20	0.047578
1	1	17	2021	3	6	0.3977	15.020	6.8800	4.9123	37.7707	10.13	0.027524
1	1	17	2021	3	7	0.4499	16.995	6.8800	4.9123	37.7707	9.39	0.000969
1	1	17	2021	3	8	0.3606	13.161	6.8800	4.9123	36.4932	9.35	0.000281
1	1	17	2021	3	9	0.4181	15.258	6.8800	4.9123	36.4931	8.01	0.000959
1	1	17	2021	3	10	0.4143	15.121	6.8800	4.9123	36.4932	8.14	0.001996
1	1	17	2021	3	11	0.4620	16.861	6.8800	4.9123	36.4932	7.45	0.000819
1	1	17	2021	3	12	0.4916	17.939	6.8800	4.9123	36.4932	7.07	0.000002
1	1	17	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	17	2021	3	14	0.0558	1.674	7.2800	5.1979	30.0117	32.40	0.000028
1	1	17	2021	3	15	0.0398	1.921	8.0600	5.7548	48.2848	22.10	0.004518
1	1	17	2021	3	16	0.4046	18.229	6.6500	4.7481	45.0549	12.96	0.008198
1	1	17	2021	3	17	0.3835	18.123	6.6500	4.7481	47.2522	11.66	0.002544
1	1	17	2021	3	18	0.6310	35.765	6.6500	4.7481	56.6821	10.20	0.002699
1	1	17	2021	3	19	0.6845	38.798	6.6500	4.7481	56.6821	9.88	0.001293
1	1	17	2021	3	20	0.6957	45.057	6.6500	4.7481	64.7605	8.71	0.006032
1	1	17	2021	3	21	0.8615	55.794	6.6500	4.7481	64.7605	7.53	0.008655
1	1	17	2021	3	22	0.9164	119.338	6.6500	4.7481	130.2221	6.59	0.010278
1	1	17	2021	3	23	1.1461	226.712	6.6500	4.7481	197.8148	6.30	0.036527
1	1	17	2021	3	24	1.6851	14.462	1.3500	0.9639	8.5822	50.00	0.002374
1	1	17	2021	3	25	1.1144	30.346	6.8800	4.9123	27.2301	6.45	0.000303
1	1	17	2021	3	26	2.6564	259.635	6.6500	4.7481	97.7390	4.36	0.003655
1	1	17	2021	3	27	2.2052	60.047	6.6500	4.7481	27.2301	6.18	0.007008
1	1	17	2021	3	28	0.1091	4.798	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	18	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527

1	1	18	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2021	1	1	0.1960	5.883	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2021	1	2	0.1290	5.184	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2021	1	3	0.1737	6.982	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2021	1	4	0.3169	11.983	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2021	1	5	0.3388	12.812	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2021	1	6	0.2644	9.988	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2021	1	7	0.2514	9.495	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2021	1	8	0.2226	8.124	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2021	1	9	0.2506	9.146	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2021	1	10	0.2493	9.098	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2021	1	11	0.2708	9.881	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2021	1	12	0.2897	10.572	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2021	1	14	0.0568	1.705	7.2800	5.1979	30.0117	32.40	0.000028
1	1	18	2021	1	15	0.0630	3.041	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2021	1	16	0.1468	6.614	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2021	1	17	0.1647	7.784	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2021	1	18	0.1989	11.276	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2021	1	19	0.2172	12.311	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2021	1	20	0.2631	17.039	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2021	1	21	0.3252	21.059	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2021	1	22	0.3676	47.869	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2021	1	23	0.4127	81.642	6.6500	4.7481	197.8148	6.30	0.036527
1	1	18	2021	1	24	2.4072	20.659	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2021	1	25	0.4617	12.573	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2021	1	26	0.3189	31.165	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2021	1	27	0.4498	12.247	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2021	1	28	0.1514	6.658	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2021	2	1	10.0465	301.511	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2021	2	2	7.8686	316.285	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2021	2	3	8.3642	336.205	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2021	2	4	10.3326	390.744	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2021	2	5	10.5868	400.359	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2021	2	6	8.2708	312.393	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2021	2	7	10.3815	392.117	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2021	2	8	10.1040	368.727	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2021	2	9	11.8015	430.673	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2021	2	10	11.6806	426.261	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2021	2	11	13.8810	506.560	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2021	2	12	14.7830	539.477	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2021	2	14	0.7157	21.478	7.2800	5.1979	30.0117	32.40	0.000028

1	1	18	2021	2	15	0.3092	14.931	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2021	2	16	0.1969	8.873	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2021	2	17	0.1975	9.330	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2021	2	18	0.2978	16.877	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2021	2	19	0.3232	18.318	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2021	2	20	0.2928	18.963	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2021	2	21	0.3629	23.504	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2021	2	22	0.4568	59.485	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2021	2	23	0.5625	111.271	6.6500	4.7481	197.8148	6.30	0.036527
1	1	18	2021	2	24	14.8369	127.334	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2021	2	25	16.4609	448.233	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2021	2	26	0.9413	92.001	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2021	2	27	0.7369	20.067	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2021	2	28	0.4357	19.161	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2021	3	1	0.1796	5.389	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2021	3	2	0.1356	5.452	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2021	3	3	0.1919	7.715	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2021	3	4	0.3978	15.045	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2021	3	5	0.5068	19.164	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2021	3	6	0.4018	15.178	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2021	3	7	0.4547	17.173	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2021	3	8	0.3644	13.299	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2021	3	9	0.4225	15.417	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2021	3	10	0.4187	15.279	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2021	3	11	0.4669	17.038	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2021	3	12	0.4967	18.127	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2021	3	14	0.0548	1.645	7.2800	5.1979	30.0117	32.40	0.000028
1	1	18	2021	3	15	0.0391	1.887	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2021	3	16	0.3972	17.895	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2021	3	17	0.3765	17.790	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2021	3	18	0.6194	35.108	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2021	3	19	0.6719	38.085	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2021	3	20	0.6828	44.220	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2021	3	21	0.8455	54.758	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2021	3	22	0.8996	117.142	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2021	3	23	1.1251	222.559	6.6500	4.7481	197.8148	6.30	0.036527
1	1	18	2021	3	24	1.7095	14.672	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2021	3	25	1.1261	30.664	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2021	3	26	2.6061	254.720	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2021	3	27	2.1635	58.913	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2021	3	28	0.1072	4.715	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578

1	1	19	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	19	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	19	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	19	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	19	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	19	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	19	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	19	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	19	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	19	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	19	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2021	1	1	0.1920	5.761	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2021	1	2	0.1263	5.075	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2021	1	3	0.1704	6.848	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2021	1	4	0.3109	11.758	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2021	1	5	0.3325	12.575	8.0600	5.7548	37.8166	14.20	0.047578
1	1	19	2021	1	6	0.2511	9.483	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2021	1	7	0.2388	9.019	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2021	1	8	0.2116	7.724	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2021	1	9	0.2380	8.684	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2021	1	10	0.2368	8.640	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2021	1	11	0.2569	9.376	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2021	1	12	0.2747	10.026	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2021	1	14	0.0554	1.662	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2021	1	15	0.0611	2.952	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2021	1	16	0.1415	6.374	6.6500	4.7481	45.0549	12.96	0.008198
1	1	19	2021	1	17	0.1587	7.501	6.6500	4.7481	47.2522	11.66	0.002544
1	1	19	2021	1	18	0.1917	10.867	6.6500	4.7481	56.6821	10.20	0.002699
1	1	19	2021	1	19	0.2093	11.864	6.6500	4.7481	56.6821	9.88	0.001293
1	1	19	2021	1	20	0.2536	16.420	6.6500	4.7481	64.7605	8.71	0.006032
1	1	19	2021	1	21	0.3134	20.294	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2021	1	22	0.3542	46.130	6.6500	4.7481	130.2221	6.59	0.010278
1	1	19	2021	1	23	0.3977	78.676	6.6500	4.7481	197.8148	6.30	0.036527
1	1	19	2021	1	24	2.3556	20.216	1.3500	0.9639	8.5822	50.00	0.002374

1	1	19	2021	1	25	0.4374	11.910	6.8800	4.9123	27.2301	6.45	0.000303
1	1	19	2021	1	26	0.3073	30.032	6.6500	4.7481	97.7390	4.36	0.003655
1	1	19	2021	1	27	0.4334	11.802	6.6500	4.7481	27.2301	6.18	0.007008
1	1	19	2021	1	28	0.1474	6.480	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2021	2	1	10.0003	300.125	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2021	2	2	7.8260	314.571	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2021	2	3	8.3206	334.453	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2021	2	4	10.2729	388.486	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2021	2	5	10.5263	398.070	8.0600	5.7548	37.8166	14.20	0.047578
1	1	19	2021	2	6	7.8645	297.046	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2021	2	7	9.8715	372.853	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2021	2	8	9.6076	350.612	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2021	2	9	11.2217	409.515	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2021	2	10	11.1067	405.320	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2021	2	11	13.1990	481.673	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2021	2	12	14.0567	512.974	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2021	2	14	0.6924	20.780	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2021	2	15	0.2981	14.393	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2021	2	16	0.1875	8.449	6.6500	4.7481	45.0549	12.96	0.008198
1	1	19	2021	2	17	0.1880	8.885	6.6500	4.7481	47.2522	11.66	0.002544
1	1	19	2021	2	18	0.2835	16.071	6.6500	4.7481	56.6821	10.20	0.002699
1	1	19	2021	2	19	0.3077	17.443	6.6500	4.7481	56.6821	9.88	0.001293
1	1	19	2021	2	20	0.2788	18.057	6.6500	4.7481	64.7605	8.71	0.006032
1	1	19	2021	2	21	0.3456	22.382	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2021	2	22	0.4350	56.644	6.6500	4.7481	130.2221	6.59	0.010278
1	1	19	2021	2	23	0.5356	105.957	6.6500	4.7481	197.8148	6.30	0.036527
1	1	19	2021	2	24	14.3505	123.159	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2021	2	25	15.6522	426.212	6.8800	4.9123	27.2301	6.45	0.000303
1	1	19	2021	2	26	0.8963	87.607	6.6500	4.7481	97.7390	4.36	0.003655
1	1	19	2021	2	27	0.7017	19.109	6.6500	4.7481	27.2301	6.18	0.007008
1	1	19	2021	2	28	0.4208	18.504	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2021	3	1	0.1775	5.326	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2021	3	2	0.1340	5.385	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2021	3	3	0.1897	7.624	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2021	3	4	0.3936	14.885	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2021	3	5	0.5019	18.981	8.0600	5.7548	37.8166	14.20	0.047578
1	1	19	2021	3	6	0.4056	15.321	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2021	3	7	0.4589	17.335	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2021	3	8	0.3679	13.424	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2021	3	9	0.4265	15.563	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2021	3	10	0.4226	15.423	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2021	3	11	0.4713	17.199	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2021	3	12	0.5014	18.297	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2021	3	14	0.0539	1.619	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2021	3	15	0.0384	1.856	8.0600	5.7548	48.2848	22.10	0.004518

1	1	19	2021	3	16	0.3904	17.590	6.6500	4.7481	45.0549	12.96	0.008198
1	1	19	2021	3	17	0.3701	17.488	6.6500	4.7481	47.2522	11.66	0.002544
1	1	19	2021	3	18	0.6088	34.511	6.6500	4.7481	56.6821	10.20	0.002699
1	1	19	2021	3	19	0.6605	37.438	6.6500	4.7481	56.6821	9.88	0.001293
1	1	19	2021	3	20	0.6711	43.459	6.6500	4.7481	64.7605	8.71	0.006032
1	1	19	2021	3	21	0.8310	53.816	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2021	3	22	0.8842	115.145	6.6500	4.7481	130.2221	6.59	0.010278
1	1	19	2021	3	23	1.1060	218.784	6.6500	4.7481	197.8148	6.30	0.036527
1	1	19	2021	3	24	1.7317	14.862	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2021	3	25	1.1367	30.953	6.8800	4.9123	27.2301	6.45	0.000303
1	1	19	2021	3	26	2.5604	250.253	6.6500	4.7481	97.7390	4.36	0.003655
1	1	19	2021	3	27	2.1256	57.881	6.6500	4.7481	27.2301	6.18	0.007008
1	1	19	2021	3	28	0.1055	4.638	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	20	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	20	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	20	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	20	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	20	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	20	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	20	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	20	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	20	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	20	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	20	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	20	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	20	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	20	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	20	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	20	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	20	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	20	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	20	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	20	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	20	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	20	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	20	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2021	1	1	0.1882	5.650	7.2800	5.3799	30.0117	24.10	0.281246
1	1	20	2021	1	2	0.1238	4.976	8.0600	5.7548	40.1957	18.50	0.101405
1	1	20	2021	1	3	0.1673	6.726	8.0600	5.7548	40.1957	18.50	0.337320
1	1	20	2021	1	4	0.3055	11.552	8.0600	5.7548	37.8166	14.20	0.103547
1	1	20	2021	1	5	0.3268	12.358	8.0600	5.7548	37.8166	14.20	0.047578
1	1	20	2021	1	6	0.2389	9.022	6.8800	4.9123	37.7707	10.13	0.027524

1	1	20	2021	1	7	0.2273	8.585	6.8800	4.9123	37.7707	9.39	0.000969
1	1	20	2021	1	8	0.2016	7.358	6.8800	4.9123	36.4932	9.35	0.000281
1	1	20	2021	1	9	0.2264	8.264	6.8800	4.9123	36.4931	8.01	0.000959
1	1	20	2021	1	10	0.2253	8.221	6.8800	4.9123	36.4932	8.14	0.001996
1	1	20	2021	1	11	0.2443	8.916	6.8800	4.9123	36.4932	7.45	0.000819
1	1	20	2021	1	12	0.2611	9.528	6.8800	4.9123	36.4932	7.07	0.000002
1	1	20	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2021	1	14	0.0540	1.622	7.2800	5.1979	30.0117	32.40	0.000028
1	1	20	2021	1	15	0.0595	2.871	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2021	1	16	0.1366	6.154	6.6500	4.7481	45.0549	12.96	0.008198
1	1	20	2021	1	17	0.1533	7.243	6.6500	4.7481	47.2522	11.66	0.002544
1	1	20	2021	1	18	0.1851	10.493	6.6500	4.7481	56.6821	10.20	0.002699
1	1	20	2021	1	19	0.2021	11.455	6.6500	4.7481	56.6821	9.88	0.001293
1	1	20	2021	1	20	0.2448	15.855	6.6500	4.7481	64.7605	8.71	0.006032
1	1	20	2021	1	21	0.3026	19.595	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2021	1	22	0.3420	44.542	6.6500	4.7481	130.2221	6.59	0.010278
1	1	20	2021	1	23	0.3840	75.968	6.6500	4.7481	197.8148	6.30	0.036527
1	1	20	2021	1	24	2.3085	19.812	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2021	1	25	0.4152	11.305	6.8800	4.9123	27.2301	6.45	0.000303
1	1	20	2021	1	26	0.2967	28.999	6.6500	4.7481	97.7390	4.36	0.003655
1	1	20	2021	1	27	0.4185	11.396	6.6500	4.7481	27.2301	6.18	0.007008
1	1	20	2021	1	28	0.1437	6.318	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2021	2	1	9.9581	298.859	7.2800	5.3799	30.0117	24.10	0.281246
1	1	20	2021	2	2	7.7870	313.006	8.0600	5.7548	40.1957	18.50	0.101405
1	1	20	2021	2	3	8.2808	332.853	8.0600	5.7548	40.1957	18.50	0.337320
1	1	20	2021	2	4	10.2183	386.424	8.0600	5.7548	37.8166	14.20	0.103547
1	1	20	2021	2	5	10.4711	395.981	8.0600	5.7548	37.8166	14.20	0.047578
1	1	20	2021	2	6	7.4935	283.033	6.8800	4.9123	37.7707	10.13	0.027524
1	1	20	2021	2	7	9.4058	355.264	6.8800	4.9123	37.7707	9.39	0.000969
1	1	20	2021	2	8	9.1544	334.072	6.8800	4.9123	36.4932	9.35	0.000281
1	1	20	2021	2	9	10.6923	390.196	6.8800	4.9123	36.4931	8.01	0.000959
1	1	20	2021	2	10	10.5828	386.199	6.8800	4.9123	36.4932	8.14	0.001996
1	1	20	2021	2	11	12.5764	458.951	6.8800	4.9123	36.4932	7.45	0.000819
1	1	20	2021	2	12	13.3936	488.775	6.8800	4.9123	36.4932	7.07	0.000002
1	1	20	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2021	2	14	0.6712	20.144	7.2800	5.1979	30.0117	32.40	0.000028
1	1	20	2021	2	15	0.2879	13.901	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2021	2	16	0.1789	8.062	6.6500	4.7481	45.0549	12.96	0.008198
1	1	20	2021	2	17	0.1794	8.478	6.6500	4.7481	47.2522	11.66	0.002544
1	1	20	2021	2	18	0.2706	15.335	6.6500	4.7481	56.6821	10.20	0.002699
1	1	20	2021	2	19	0.2936	16.644	6.6500	4.7481	56.6821	9.88	0.001293
1	1	20	2021	2	20	0.2661	17.230	6.6500	4.7481	64.7605	8.71	0.006032
1	1	20	2021	2	21	0.3298	21.357	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2021	2	22	0.4151	54.050	6.6500	4.7481	130.2221	6.59	0.010278
1	1	20	2021	2	23	0.5111	101.105	6.6500	4.7481	197.8148	6.30	0.036527
1	1	20	2021	2	24	13.9064	119.348	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2021	2	25	14.9138	406.106	6.8800	4.9123	27.2301	6.45	0.000303

1	1	20	2021	2	26	0.8553	83.596	6.6500	4.7481	97.7390	4.36	0.003655
1	1	20	2021	2	27	0.6696	18.234	6.6500	4.7481	27.2301	6.18	0.007008
1	1	20	2021	2	28	0.4072	17.905	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2021	3	1	0.1755	5.268	7.2800	5.3799	30.0117	24.10	0.281246
1	1	20	2021	3	2	0.1324	5.323	8.0600	5.7548	40.1957	18.50	0.101405
1	1	20	2021	3	3	0.1876	7.540	8.0600	5.7548	40.1957	18.50	0.337320
1	1	20	2021	3	4	0.3897	14.739	8.0600	5.7548	37.8166	14.20	0.103547
1	1	20	2021	3	5	0.4975	18.813	8.0600	5.7548	37.8166	14.20	0.047578
1	1	20	2021	3	6	0.4091	15.451	6.8800	4.9123	37.7707	10.13	0.027524
1	1	20	2021	3	7	0.4629	17.482	6.8800	4.9123	37.7707	9.39	0.000969
1	1	20	2021	3	8	0.3710	13.539	6.8800	4.9123	36.4932	9.35	0.000281
1	1	20	2021	3	9	0.4301	15.695	6.8800	4.9123	36.4931	8.01	0.000959
1	1	20	2021	3	10	0.4262	15.554	6.8800	4.9123	36.4932	8.14	0.001996
1	1	20	2021	3	11	0.4753	17.345	6.8800	4.9123	36.4932	7.45	0.000819
1	1	20	2021	3	12	0.5057	18.453	6.8800	4.9123	36.4932	7.07	0.000002
1	1	20	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2021	3	14	0.0531	1.595	7.2800	5.1979	30.0117	32.40	0.000028
1	1	20	2021	3	15	0.0378	1.827	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2021	3	16	0.3843	17.312	6.6500	4.7481	45.0549	12.96	0.008198
1	1	20	2021	3	17	0.3642	17.211	6.6500	4.7481	47.2522	11.66	0.002544
1	1	20	2021	3	18	0.5992	33.966	6.6500	4.7481	56.6821	10.20	0.002699
1	1	20	2021	3	19	0.6501	36.846	6.6500	4.7481	56.6821	9.88	0.001293
1	1	20	2021	3	20	0.6604	42.765	6.6500	4.7481	64.7605	8.71	0.006032
1	1	20	2021	3	21	0.8177	52.956	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2021	3	22	0.8702	113.322	6.6500	4.7481	130.2221	6.59	0.010278
1	1	20	2021	3	23	1.0886	215.337	6.6500	4.7481	197.8148	6.30	0.036527
1	1	20	2021	3	24	1.7520	15.036	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2021	3	25	1.1464	31.217	6.8800	4.9123	27.2301	6.45	0.000303
1	1	20	2021	3	26	2.5187	246.173	6.6500	4.7481	97.7390	4.36	0.003655
1	1	20	2021	3	27	2.0910	56.939	6.6500	4.7481	27.2301	6.18	0.007008
1	1	20	2021	3	28	0.1039	4.569	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	21	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198

1	1	21	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	21	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2021	1	1	0.1848	5.548	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2021	1	2	0.1215	4.885	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2021	1	3	0.1646	6.614	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2021	1	4	0.3005	11.364	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2021	1	5	0.3215	12.159	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2021	1	6	0.2277	8.599	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2021	1	7	0.2167	8.187	6.8800	4.9123	37.7707	9.39	0.000969
1	1	21	2021	1	8	0.1924	7.023	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2021	1	9	0.2159	7.878	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2021	1	10	0.2148	7.838	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2021	1	11	0.2327	8.493	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2021	1	12	0.2486	9.071	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2021	1	14	0.0528	1.585	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2021	1	15	0.0579	2.797	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2021	1	16	0.1321	5.953	6.6500	4.7481	45.0549	12.96	0.008198
1	1	21	2021	1	17	0.1483	7.006	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2021	1	18	0.1791	10.150	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2021	1	19	0.1955	11.081	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2021	1	20	0.2368	15.337	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2021	1	21	0.2927	18.955	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2021	1	22	0.3309	43.087	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2021	1	23	0.3715	73.486	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2021	1	24	2.2653	19.442	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2021	1	25	0.3948	10.750	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2021	1	26	0.2870	28.051	6.6500	4.7481	97.7390	4.36	0.003655
1	1	21	2021	1	27	0.4048	11.024	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2021	1	28	0.1403	6.168	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2021	2	1	9.9194	297.699	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2021	2	2	7.7514	311.571	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2021	2	3	8.2443	331.387	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2021	2	4	10.1684	384.534	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2021	2	5	10.4204	394.066	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2021	2	6	7.1534	270.188	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2021	2	7	8.9789	339.141	6.8800	4.9123	37.7707	9.39	0.000969

1	1	21	2021	2	8	8.7389	318.911	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2021	2	9	10.2071	372.488	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2021	2	10	10.1025	368.672	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2021	2	11	12.0056	438.122	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2021	2	12	12.7857	466.592	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2021	2	14	0.6517	19.560	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2021	2	15	0.2786	13.451	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2021	2	16	0.1711	7.707	6.6500	4.7481	45.0549	12.96	0.008198
1	1	21	2021	2	17	0.1715	8.105	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2021	2	18	0.2586	14.661	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2021	2	19	0.2807	15.912	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2021	2	20	0.2544	16.472	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2021	2	21	0.3153	20.417	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2021	2	22	0.3968	51.673	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2021	2	23	0.4886	96.657	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2021	2	24	13.4993	115.854	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2021	2	25	14.2370	387.675	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2021	2	26	0.8177	79.918	6.6500	4.7481	97.7390	4.36	0.003655
1	1	21	2021	2	27	0.6402	17.431	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2021	2	28	0.3947	17.355	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2021	3	1	0.1738	5.216	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2021	3	2	0.1310	5.267	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2021	3	3	0.1857	7.464	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2021	3	4	0.3862	14.605	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2021	3	5	0.4934	18.659	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2021	3	6	0.4123	15.571	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2021	3	7	0.4664	17.618	6.8800	4.9123	37.7707	9.39	0.000969
1	1	21	2021	3	8	0.3739	13.644	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2021	3	9	0.4334	15.817	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2021	3	10	0.4295	15.675	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2021	3	11	0.4790	17.480	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2021	3	12	0.5096	18.596	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2021	3	14	0.0524	1.572	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2021	3	15	0.0373	1.801	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2021	3	16	0.3786	17.058	6.6500	4.7481	45.0549	12.96	0.008198
1	1	21	2021	3	17	0.3589	16.958	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2021	3	18	0.5904	33.466	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2021	3	19	0.6405	36.304	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2021	3	20	0.6505	42.128	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2021	3	21	0.8055	52.168	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2021	3	22	0.8574	111.651	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2021	3	23	1.0726	212.177	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2021	3	24	1.7705	15.195	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2021	3	25	1.1553	31.459	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2021	3	26	2.4804	242.434	6.6500	4.7481	97.7390	4.36	0.003655

1	1	21	2021	3	27	2.0593	56.076	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2021	3	28	0.1024	4.505	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	22	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	22	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2021	1	1	0.1817	5.454	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2021	1	2	0.1195	4.802	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2021	1	3	0.1620	6.511	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2021	1	4	0.2959	11.191	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2021	1	5	0.3167	11.977	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2021	1	6	0.2174	8.210	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2021	1	7	0.2070	7.820	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2021	1	8	0.1840	6.715	6.8800	4.9123	36.4932	9.35	0.000281
1	1	22	2021	1	9	0.2061	7.523	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2021	1	10	0.2051	7.485	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2021	1	11	0.2221	8.104	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2021	1	12	0.2370	8.651	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2021	1	14	0.0517	1.551	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2021	1	15	0.0565	2.729	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2021	1	16	0.1280	5.768	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2021	1	17	0.1437	6.788	6.6500	4.7481	47.2522	11.66	0.002544

1	1	22	2021	1	18	0.1735	9.834	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2021	1	19	0.1894	10.737	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2021	1	20	0.2295	14.861	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2021	1	21	0.2836	18.366	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2021	1	22	0.3206	41.748	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2021	1	23	0.3599	71.202	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2021	1	24	2.2256	19.101	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2021	1	25	0.3760	10.240	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2021	1	26	0.2781	27.180	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2021	1	27	0.3923	10.681	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2021	1	28	0.1372	6.031	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2021	2	1	9.8838	296.631	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2021	2	2	7.7185	310.251	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2021	2	3	8.2108	330.038	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2021	2	4	10.1224	382.795	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2021	2	5	10.3738	392.304	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2021	2	6	6.8405	258.370	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2021	2	7	8.5862	324.307	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2021	2	8	8.3567	304.962	6.8800	4.9123	36.4932	9.35	0.000281
1	1	22	2021	2	9	9.7606	356.196	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2021	2	10	9.6606	352.547	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2021	2	11	11.4805	418.959	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2021	2	12	12.2265	446.184	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2021	2	14	0.6338	19.023	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2021	2	15	0.2700	13.037	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2021	2	16	0.1638	7.381	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2021	2	17	0.1643	7.762	6.6500	4.7481	47.2522	11.66	0.002544
1	1	22	2021	2	18	0.2477	14.040	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2021	2	19	0.2688	15.239	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2021	2	20	0.2436	15.775	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2021	2	21	0.3019	19.553	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2021	2	22	0.3800	49.485	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2021	2	23	0.4679	92.565	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2021	2	24	13.1247	112.639	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2021	2	25	13.6143	370.719	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2021	2	26	0.7831	76.535	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2021	2	27	0.6131	16.693	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2021	2	28	0.3832	16.850	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2021	3	1	0.1722	5.167	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2021	3	2	0.1297	5.215	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2021	3	3	0.1839	7.394	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2021	3	4	0.3830	14.482	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2021	3	5	0.4897	18.518	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2021	3	6	0.4152	15.681	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2021	3	7	0.4697	17.742	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2021	3	8	0.3765	13.740	6.8800	4.9123	36.4932	9.35	0.000281

1	1	22	2021	3	9	0.4365	15.929	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2021	3	10	0.4326	15.786	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2021	3	11	0.4824	17.603	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2021	3	12	0.5132	18.728	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2021	3	14	0.0517	1.552	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2021	3	15	0.0368	1.777	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2021	3	16	0.3734	16.824	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2021	3	17	0.3540	16.725	6.6500	4.7481	47.2522	11.66	0.002544
1	1	22	2021	3	18	0.5823	33.007	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2021	3	19	0.6317	35.806	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2021	3	20	0.6415	41.543	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2021	3	21	0.7943	51.442	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2021	3	22	0.8456	110.114	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2021	3	23	1.0579	209.271	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2021	3	24	1.7876	15.342	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2021	3	25	1.1635	31.682	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2021	3	26	2.4452	238.994	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2021	3	27	2.0302	55.282	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2021	3	28	0.1011	4.446	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	23	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008

1	1	23	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2021	1	1	0.1791	5.375	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2021	1	2	0.1177	4.733	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2021	1	3	0.1599	6.426	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2021	1	4	0.2923	11.054	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2021	1	5	0.3130	11.836	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2021	1	6	0.2080	7.858	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2021	1	7	0.1983	7.488	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2021	1	8	0.1763	6.435	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2021	1	9	0.1973	7.201	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2021	1	10	0.1964	7.166	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2021	1	11	0.2124	7.752	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2021	1	12	0.2266	8.270	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2021	1	14	0.0505	1.517	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2021	1	15	0.0551	2.659	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2021	1	16	0.1238	5.578	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2021	1	17	0.1389	6.565	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2021	1	18	0.1678	9.510	6.6500	4.7481	56.6821	10.20	0.002699
1	1	23	2021	1	19	0.1832	10.383	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2021	1	20	0.2219	14.371	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2021	1	21	0.2743	17.761	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2021	1	22	0.3100	40.373	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2021	1	23	0.3481	68.857	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2021	1	24	2.1843	18.746	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2021	1	25	0.3591	9.777	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2021	1	26	0.2689	26.284	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2021	1	27	0.3793	10.329	6.6500	4.7481	27.2301	6.18	0.007008
1	1	23	2021	1	28	0.1340	5.890	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2021	2	1	9.8696	296.204	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2021	2	2	7.7061	309.753	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2021	2	3	8.1988	329.558	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2021	2	4	10.1035	382.080	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2021	2	5	10.3548	391.582	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2021	2	6	6.5706	248.176	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2021	2	7	8.2474	311.512	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2021	2	8	8.0270	292.930	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2021	2	9	9.3755	342.142	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2021	2	10	9.2795	338.637	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2021	2	11	11.0275	402.429	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2021	2	12	11.7441	428.580	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2021	2	14	0.6177	18.538	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2021	2	15	0.2623	12.663	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2021	2	16	0.1573	7.087	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2021	2	17	0.1577	7.452	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2021	2	18	0.2378	13.480	6.6500	4.7481	56.6821	10.20	0.002699

1	1	23	2021	2	19	0.2581	14.631	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2021	2	20	0.2339	15.146	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2021	2	21	0.2899	18.773	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2021	2	22	0.3649	47.512	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2021	2	23	0.4493	88.873	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2021	2	24	12.7496	109.420	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2021	2	25	13.0771	356.093	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2021	2	26	0.7518	73.482	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2021	2	27	0.5886	16.028	6.6500	4.7481	27.2301	6.18	0.007008
1	1	23	2021	2	28	0.3728	16.393	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2021	3	1	0.1707	5.122	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2021	3	2	0.1285	5.167	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2021	3	3	0.1823	7.329	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2021	3	4	0.3800	14.369	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2021	3	5	0.4862	18.387	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2021	3	6	0.4192	15.834	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2021	3	7	0.4743	17.915	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2021	3	8	0.3802	13.874	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2021	3	9	0.4407	16.084	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2021	3	10	0.4368	15.939	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2021	3	11	0.4871	17.774	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2021	3	12	0.5182	18.910	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2021	3	14	0.0512	1.537	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2021	3	15	0.0365	1.760	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2021	3	16	0.3696	16.654	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2021	3	17	0.3504	16.556	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2021	3	18	0.5764	32.673	6.6500	4.7481	56.6821	10.20	0.002699
1	1	23	2021	3	19	0.6253	35.444	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2021	3	20	0.6349	41.118	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2021	3	21	0.7862	50.916	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2021	3	22	0.8370	108.999	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2021	3	23	1.0473	207.163	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2021	3	24	1.8094	15.529	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2021	3	25	1.1748	31.990	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2021	3	26	2.4197	236.499	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2021	3	27	2.0090	54.706	6.6500	4.7481	27.2301	6.18	0.007008
1	1	23	2021	3	28	0.1001	4.404	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959

1	1	24	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	24	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	24	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	24	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	24	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	24	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	24	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	24	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2021	1	1	0.1767	5.302	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2021	1	2	0.1162	4.669	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2021	1	3	0.1579	6.348	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2021	1	4	0.2890	10.928	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2021	1	5	0.3095	11.705	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2021	1	6	0.1994	7.531	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2021	1	7	0.1901	7.181	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2021	1	8	0.1693	6.177	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2021	1	9	0.1892	6.903	6.8800	4.9123	36.4931	8.01	0.000959
1	1	24	2021	1	10	0.1882	6.870	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2021	1	11	0.2035	7.426	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2021	1	12	0.2170	7.918	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2021	1	14	0.0495	1.485	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2021	1	15	0.0537	2.594	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2021	1	16	0.1199	5.402	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2021	1	17	0.1345	6.358	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2021	1	18	0.1625	9.210	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2021	1	19	0.1774	10.056	6.6500	4.7481	56.6821	9.88	0.001293
1	1	24	2021	1	20	0.2149	13.918	6.6500	4.7481	64.7605	8.71	0.006032
1	1	24	2021	1	21	0.2656	17.201	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2021	1	22	0.3003	39.100	6.6500	4.7481	130.2221	6.59	0.010278
1	1	24	2021	1	23	0.3371	66.685	6.6500	4.7481	197.8148	6.30	0.036527
1	1	24	2021	1	24	2.1461	18.418	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2021	1	25	0.3433	9.349	6.8800	4.9123	27.2301	6.45	0.000303
1	1	24	2021	1	26	0.2604	25.455	6.6500	4.7481	97.7390	4.36	0.003655
1	1	24	2021	1	27	0.3674	10.004	6.6500	4.7481	27.2301	6.18	0.007008
1	1	24	2021	1	28	0.1310	5.760	8.0600	5.7548	43.9743	17.00	0.002242

1	1	24	2021	2	1	9.8564	295.808	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2021	2	2	7.6946	309.291	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2021	2	3	8.1878	329.113	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2021	2	4	10.0860	381.418	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2021	2	5	10.3371	390.914	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2021	2	6	6.3207	238.738	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2021	2	7	7.9338	299.664	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2021	2	8	7.7217	281.789	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2021	2	9	9.0189	329.130	6.8800	4.9123	36.4931	8.01	0.000959
1	1	24	2021	2	10	8.9266	325.758	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2021	2	11	10.6081	387.124	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2021	2	12	11.2975	412.280	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2021	2	14	0.6027	18.089	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2021	2	15	0.2551	12.317	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2021	2	16	0.1512	6.814	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2021	2	17	0.1516	7.166	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2021	2	18	0.2287	12.962	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2021	2	19	0.2482	14.068	6.6500	4.7481	56.6821	9.88	0.001293
1	1	24	2021	2	20	0.2249	14.563	6.6500	4.7481	64.7605	8.71	0.006032
1	1	24	2021	2	21	0.2787	18.051	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2021	2	22	0.3508	45.684	6.6500	4.7481	130.2221	6.59	0.010278
1	1	24	2021	2	23	0.4320	85.455	6.6500	4.7481	197.8148	6.30	0.036527
1	1	24	2021	2	24	12.4022	106.439	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2021	2	25	12.5798	342.549	6.8800	4.9123	27.2301	6.45	0.000303
1	1	24	2021	2	26	0.7229	70.656	6.6500	4.7481	97.7390	4.36	0.003655
1	1	24	2021	2	27	0.5660	15.411	6.6500	4.7481	27.2301	6.18	0.007008
1	1	24	2021	2	28	0.3632	15.971	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2021	3	1	0.1693	5.081	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2021	3	2	0.1274	5.123	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2021	3	3	0.1808	7.269	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2021	3	4	0.3772	14.263	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2021	3	5	0.4830	18.266	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2021	3	6	0.4229	15.975	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2021	3	7	0.4785	18.075	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2021	3	8	0.3836	13.997	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2021	3	9	0.4447	16.227	6.8800	4.9123	36.4931	8.01	0.000959
1	1	24	2021	3	10	0.4407	16.082	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2021	3	11	0.4914	17.933	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2021	3	12	0.5228	19.079	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2021	3	14	0.0508	1.524	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2021	3	15	0.0361	1.744	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2021	3	16	0.3661	16.496	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2021	3	17	0.3471	16.400	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2021	3	18	0.5710	32.365	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2021	3	19	0.6194	35.109	6.6500	4.7481	56.6821	9.88	0.001293

1	1	24	2021	3	20	0.6288	40.725	6.6500	4.7481	64.7605	8.71	0.006032
1	1	24	2021	3	21	0.7787	50.429	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2021	3	22	0.8291	107.967	6.6500	4.7481	130.2221	6.59	0.010278
1	1	24	2021	3	23	1.0374	205.211	6.6500	4.7481	197.8148	6.30	0.036527
1	1	24	2021	3	24	1.8297	15.703	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2021	3	25	1.1853	32.275	6.8800	4.9123	27.2301	6.45	0.000303
1	1	24	2021	3	26	2.3961	234.189	6.6500	4.7481	97.7390	4.36	0.003655
1	1	24	2021	3	27	1.9894	54.173	6.6500	4.7481	27.2301	6.18	0.007008
1	1	24	2021	3	28	0.0992	4.364	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	25	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	25	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	25	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	25	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	25	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	25	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	25	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	25	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	25	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	25	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	25	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	25	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	25	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	25	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	25	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	25	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	25	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	25	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	25	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	25	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	25	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	25	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	25	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2021	1	1	0.1744	5.234	7.2800	5.3799	30.0117	24.10	0.281246
1	1	25	2021	1	2	0.1147	4.610	8.0600	5.7548	40.1957	18.50	0.101405
1	1	25	2021	1	3	0.1561	6.274	8.0600	5.7548	40.1957	18.50	0.337320
1	1	25	2021	1	4	0.2859	10.810	8.0600	5.7548	37.8166	14.20	0.103547
1	1	25	2021	1	5	0.3063	11.584	8.0600	5.7548	37.8166	14.20	0.047578
1	1	25	2021	1	6	0.1914	7.228	6.8800	4.9123	37.7707	10.13	0.027524
1	1	25	2021	1	7	0.1826	6.895	6.8800	4.9123	37.7707	9.39	0.000969
1	1	25	2021	1	8	0.1627	5.937	6.8800	4.9123	36.4932	9.35	0.000281
1	1	25	2021	1	9	0.1816	6.627	6.8800	4.9123	36.4931	8.01	0.000959
1	1	25	2021	1	10	0.1807	6.595	6.8800	4.9123	36.4932	8.14	0.001996

1	1	25	2021	1	11	0.1952	7.124	6.8800	4.9123	36.4932	7.45	0.000819
1	1	25	2021	1	12	0.2080	7.591	6.8800	4.9123	36.4932	7.07	0.000002
1	1	25	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2021	1	14	0.0485	1.455	7.2800	5.1979	30.0117	32.40	0.000028
1	1	25	2021	1	15	0.0525	2.534	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2021	1	16	0.1163	5.239	6.6500	4.7481	45.0549	12.96	0.008198
1	1	25	2021	1	17	0.1305	6.166	6.6500	4.7481	47.2522	11.66	0.002544
1	1	25	2021	1	18	0.1576	8.932	6.6500	4.7481	56.6821	10.20	0.002699
1	1	25	2021	1	19	0.1720	9.752	6.6500	4.7481	56.6821	9.88	0.001293
1	1	25	2021	1	20	0.2084	13.497	6.6500	4.7481	64.7605	8.71	0.006032
1	1	25	2021	1	21	0.2576	16.681	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2021	1	22	0.2912	37.917	6.6500	4.7481	130.2221	6.59	0.010278
1	1	25	2021	1	23	0.3269	64.669	6.6500	4.7481	197.8148	6.30	0.036527
1	1	25	2021	1	24	2.1106	18.113	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2021	1	25	0.3287	8.952	6.8800	4.9123	27.2301	6.45	0.000303
1	1	25	2021	1	26	0.2526	24.686	6.6500	4.7481	97.7390	4.36	0.003655
1	1	25	2021	1	27	0.3563	9.701	6.6500	4.7481	27.2301	6.18	0.007008
1	1	25	2021	1	28	0.1282	5.639	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2021	2	1	9.8442	295.440	7.2800	5.3799	30.0117	24.10	0.281246
1	1	25	2021	2	2	7.6840	308.863	8.0600	5.7548	40.1957	18.50	0.101405
1	1	25	2021	2	3	8.1775	328.700	8.0600	5.7548	40.1957	18.50	0.337320
1	1	25	2021	2	4	10.0697	380.803	8.0600	5.7548	37.8166	14.20	0.103547
1	1	25	2021	2	5	10.3207	390.293	8.0600	5.7548	37.8166	14.20	0.047578
1	1	25	2021	2	6	6.0887	229.973	6.8800	4.9123	37.7707	10.13	0.027524
1	1	25	2021	2	7	7.6425	288.663	6.8800	4.9123	37.7707	9.39	0.000969
1	1	25	2021	2	8	7.4382	271.444	6.8800	4.9123	36.4932	9.35	0.000281
1	1	25	2021	2	9	8.6878	317.046	6.8800	4.9123	36.4931	8.01	0.000959
1	1	25	2021	2	10	8.5988	313.799	6.8800	4.9123	36.4932	8.14	0.001996
1	1	25	2021	2	11	10.2187	372.912	6.8800	4.9123	36.4932	7.45	0.000819
1	1	25	2021	2	12	10.8827	397.144	6.8800	4.9123	36.4932	7.07	0.000002
1	1	25	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2021	2	14	0.5889	17.673	7.2800	5.1979	30.0117	32.40	0.000028
1	1	25	2021	2	15	0.2484	11.995	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2021	2	16	0.1456	6.561	6.6500	4.7481	45.0549	12.96	0.008198
1	1	25	2021	2	17	0.1460	6.899	6.6500	4.7481	47.2522	11.66	0.002544
1	1	25	2021	2	18	0.2202	12.480	6.6500	4.7481	56.6821	10.20	0.002699
1	1	25	2021	2	19	0.2390	13.545	6.6500	4.7481	56.6821	9.88	0.001293
1	1	25	2021	2	20	0.2165	14.022	6.6500	4.7481	64.7605	8.71	0.006032
1	1	25	2021	2	21	0.2684	17.380	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2021	2	22	0.3378	43.987	6.6500	4.7481	130.2221	6.59	0.010278
1	1	25	2021	2	23	0.4159	82.281	6.6500	4.7481	197.8148	6.30	0.036527
1	1	25	2021	2	24	12.0797	103.671	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2021	2	25	12.1180	329.974	6.8800	4.9123	27.2301	6.45	0.000303
1	1	25	2021	2	26	0.6961	68.031	6.6500	4.7481	97.7390	4.36	0.003655
1	1	25	2021	2	27	0.5449	14.839	6.6500	4.7481	27.2301	6.18	0.007008
1	1	25	2021	2	28	0.3543	15.579	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2021	3	1	0.1680	5.042	7.2800	5.3799	30.0117	24.10	0.281246

1	1	25	2021	3	2	0.1264	5.081	8.0600	5.7548	40.1957	18.50	0.101405
1	1	25	2021	3	3	0.1794	7.213	8.0600	5.7548	40.1957	18.50	0.337320
1	1	25	2021	3	4	0.3746	14.166	8.0600	5.7548	37.8166	14.20	0.103547
1	1	25	2021	3	5	0.4801	18.154	8.0600	5.7548	37.8166	14.20	0.047578
1	1	25	2021	3	6	0.4264	16.106	6.8800	4.9123	37.7707	10.13	0.027524
1	1	25	2021	3	7	0.4825	18.223	6.8800	4.9123	37.7707	9.39	0.000969
1	1	25	2021	3	8	0.3867	14.112	6.8800	4.9123	36.4932	9.35	0.000281
1	1	25	2021	3	9	0.4483	16.360	6.8800	4.9123	36.4931	8.01	0.000959
1	1	25	2021	3	10	0.4443	16.214	6.8800	4.9123	36.4932	8.14	0.001996
1	1	25	2021	3	11	0.4954	18.080	6.8800	4.9123	36.4932	7.45	0.000819
1	1	25	2021	3	12	0.5271	19.235	6.8800	4.9123	36.4932	7.07	0.000002
1	1	25	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2021	3	14	0.0503	1.511	7.2800	5.1979	30.0117	32.40	0.000028
1	1	25	2021	3	15	0.0358	1.729	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2021	3	16	0.3629	16.350	6.6500	4.7481	45.0549	12.96	0.008198
1	1	25	2021	3	17	0.3440	16.255	6.6500	4.7481	47.2522	11.66	0.002544
1	1	25	2021	3	18	0.5659	32.078	6.6500	4.7481	56.6821	10.20	0.002699
1	1	25	2021	3	19	0.6139	34.798	6.6500	4.7481	56.6821	9.88	0.001293
1	1	25	2021	3	20	0.6232	40.359	6.6500	4.7481	64.7605	8.71	0.006032
1	1	25	2021	3	21	0.7717	49.977	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2021	3	22	0.8217	107.008	6.6500	4.7481	130.2221	6.59	0.010278
1	1	25	2021	3	23	1.0282	203.398	6.6500	4.7481	197.8148	6.30	0.036527
1	1	25	2021	3	24	1.8485	15.864	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2021	3	25	1.1950	32.540	6.8800	4.9123	27.2301	6.45	0.000303
1	1	25	2021	3	26	2.3741	232.044	6.6500	4.7481	97.7390	4.36	0.003655
1	1	25	2021	3	27	1.9712	53.677	6.6500	4.7481	27.2301	6.18	0.007008
1	1	25	2021	3	28	0.0984	4.328	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	26	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032

1	1	26	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2021	1	1	0.1723	5.171	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2021	1	2	0.1133	4.555	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2021	1	3	0.1544	6.206	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2021	1	4	0.2830	10.701	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2021	1	5	0.3033	11.471	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2021	1	6	0.1839	6.946	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2021	1	7	0.1755	6.629	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2021	1	8	0.1565	5.713	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2021	1	9	0.1745	6.369	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2021	1	10	0.1737	6.339	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2021	1	11	0.1875	6.842	6.8800	4.9123	36.4932	7.45	0.000819
1	1	26	2021	1	12	0.1997	7.286	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2021	1	14	0.0475	1.427	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2021	1	15	0.0513	2.478	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2021	1	16	0.1129	5.087	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2021	1	17	0.1267	5.987	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2021	1	18	0.1530	8.673	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2021	1	19	0.1670	9.468	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2021	1	20	0.2024	13.105	6.6500	4.7481	64.7605	8.71	0.006032
1	1	26	2021	1	21	0.2501	16.197	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2021	1	22	0.2827	36.817	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2021	1	23	0.3174	62.792	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2021	1	24	2.0775	17.830	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2021	1	25	0.3152	8.582	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2021	1	26	0.2452	23.969	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2021	1	27	0.3459	9.419	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2021	1	28	0.1257	5.526	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2021	2	1	9.8328	295.098	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2021	2	2	7.6740	308.464	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2021	2	3	8.1679	328.316	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2021	2	4	10.0546	380.231	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2021	2	5	10.3054	389.715	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2021	2	6	5.8726	221.813	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2021	2	7	7.3713	278.420	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2021	2	8	7.1743	261.812	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2021	2	9	8.3796	305.797	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2021	2	10	8.2937	302.664	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2021	2	11	9.8561	359.679	6.8800	4.9123	36.4932	7.45	0.000819

1	1	26	2021	2	12	10.4966	383.052	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2021	2	14	0.5759	17.285	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2021	2	15	0.2422	11.696	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2021	2	16	0.1404	6.325	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2021	2	17	0.1408	6.652	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2021	2	18	0.2123	12.032	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2021	2	19	0.2304	13.059	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2021	2	20	0.2087	13.519	6.6500	4.7481	64.7605	8.71	0.006032
1	1	26	2021	2	21	0.2587	16.756	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2021	2	22	0.3257	42.407	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2021	2	23	0.4010	79.325	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2021	2	24	11.7794	101.093	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2021	2	25	11.6880	318.265	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2021	2	26	0.6711	65.588	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2021	2	27	0.5254	14.306	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2021	2	28	0.3460	15.214	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2021	3	1	0.1668	5.006	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2021	3	2	0.1255	5.043	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2021	3	3	0.1782	7.161	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2021	3	4	0.3722	14.075	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2021	3	5	0.4773	18.050	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2021	3	6	0.4296	16.228	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2021	3	7	0.4861	18.361	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2021	3	8	0.3896	14.219	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2021	3	9	0.4517	16.484	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2021	3	10	0.4477	16.336	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2021	3	11	0.4992	18.217	6.8800	4.9123	36.4932	7.45	0.000819
1	1	26	2021	3	12	0.5311	19.381	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2021	3	14	0.0500	1.499	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2021	3	15	0.0355	1.715	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2021	3	16	0.3599	16.214	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2021	3	17	0.3411	16.119	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2021	3	18	0.5612	31.811	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2021	3	19	0.6088	34.509	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2021	3	20	0.6180	40.019	6.6500	4.7481	64.7605	8.71	0.006032
1	1	26	2021	3	21	0.7652	49.556	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2021	3	22	0.8149	106.116	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2021	3	23	1.0197	201.711	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2021	3	24	1.8660	16.014	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2021	3	25	1.2041	32.787	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2021	3	26	2.3537	230.047	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2021	3	27	1.9543	53.216	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2021	3	28	0.0976	4.294	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405

1	1	27	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	27	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2021	1	1	0.1703	5.112	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2021	1	2	0.1120	4.503	8.0600	5.7548	40.1957	18.50	0.101405
1	1	27	2021	1	3	0.1528	6.143	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2021	1	4	0.2803	10.599	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2021	1	5	0.3006	11.366	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2021	1	6	0.1769	6.683	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2021	1	7	0.1689	6.381	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2021	1	8	0.1508	5.504	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2021	1	9	0.1680	6.129	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2021	1	10	0.1672	6.100	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2021	1	11	0.1803	6.579	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2021	1	12	0.1919	7.002	6.8800	4.9123	36.4932	7.07	0.000002
1	1	27	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2021	1	14	0.0467	1.401	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2021	1	15	0.0502	2.425	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2021	1	16	0.1098	4.945	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2021	1	17	0.1232	5.819	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2021	1	18	0.1487	8.431	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2021	1	19	0.1624	9.204	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2021	1	20	0.1967	12.740	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2021	1	21	0.2431	15.745	6.6500	4.7481	64.7605	7.53	0.008655

1	1	27	2021	1	22	0.2748	35.789	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2021	1	23	0.3086	61.039	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2021	1	24	2.0466	17.565	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2021	1	25	0.3025	8.236	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2021	1	26	0.2384	23.300	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2021	1	27	0.3363	9.157	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2021	1	28	0.1233	5.421	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2021	2	1	9.8221	294.779	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2021	2	2	7.6648	308.091	8.0600	5.7548	40.1957	18.50	0.101405
1	1	27	2021	2	3	8.1590	327.957	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2021	2	4	10.0405	379.696	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2021	2	5	10.2911	389.176	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2021	2	6	5.6710	214.197	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2021	2	7	7.1182	268.860	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2021	2	8	6.9279	252.822	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2021	2	9	8.0918	295.297	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2021	2	10	8.0090	292.272	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2021	2	11	9.5177	347.329	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2021	2	12	10.1361	369.900	6.8800	4.9123	36.4932	7.07	0.000002
1	1	27	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2021	2	14	0.5639	16.923	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2021	2	15	0.2364	11.416	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2021	2	16	0.1355	6.105	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2021	2	17	0.1359	6.420	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2021	2	18	0.2049	11.614	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2021	2	19	0.2224	12.605	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2021	2	20	0.2015	13.049	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2021	2	21	0.2497	16.174	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2021	2	22	0.3143	40.933	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2021	2	23	0.3871	76.567	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2021	2	24	11.4991	98.688	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2021	2	25	11.2867	307.337	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2021	2	26	0.6477	63.307	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2021	2	27	0.5071	13.808	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2021	2	28	0.3382	14.873	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2021	3	1	0.1657	4.973	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2021	3	2	0.1246	5.007	8.0600	5.7548	40.1957	18.50	0.101405
1	1	27	2021	3	3	0.1769	7.113	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2021	3	4	0.3699	13.990	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2021	3	5	0.4747	17.952	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2021	3	6	0.4327	16.342	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2021	3	7	0.4895	18.490	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2021	3	8	0.3924	14.319	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2021	3	9	0.4549	16.600	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2021	3	10	0.4508	16.451	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2021	3	11	0.5027	18.345	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2021	3	12	0.5348	19.517	6.8800	4.9123	36.4932	7.07	0.000002

1	1	27	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2021	3	14	0.0496	1.488	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2021	3	15	0.0353	1.702	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2021	3	16	0.3571	16.087	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2021	3	17	0.3385	15.993	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2021	3	18	0.5568	31.562	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2021	3	19	0.6040	34.239	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2021	3	20	0.6131	39.702	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2021	3	21	0.7592	49.163	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2021	3	22	0.8085	105.283	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2021	3	23	1.0117	200.136	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2021	3	24	1.8823	16.154	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2021	3	25	1.2125	33.017	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2021	3	26	2.3346	228.183	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2021	3	27	1.9385	52.786	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2021	3	28	0.0969	4.262	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	28	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	28	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2021	1	1	0.1686	5.060	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2021	1	2	0.1109	4.458	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2021	1	3	0.1517	6.096	8.0600	5.7548	40.1957	18.50	0.337320

1	1	28	2021	1	4	0.2779	10.510	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2021	1	5	0.2980	11.267	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2021	1	6	0.1708	6.451	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2021	1	7	0.1632	6.163	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2021	1	8	0.1458	5.320	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2021	1	9	0.1622	5.918	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2021	1	10	0.1614	5.890	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2021	1	11	0.1740	6.348	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2021	1	12	0.1850	6.752	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2021	1	14	0.0458	1.376	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2021	1	15	0.0492	2.374	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2021	1	16	0.1067	4.807	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2021	1	17	0.1197	5.657	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2021	1	18	0.1446	8.195	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2021	1	19	0.1578	8.947	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2021	1	20	0.1912	12.384	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2021	1	21	0.2363	15.305	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2021	1	22	0.2672	34.790	6.6500	4.7481	130.2221	6.59	0.010278
1	1	28	2021	1	23	0.3000	59.335	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2021	1	24	2.0153	17.296	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2021	1	25	0.2913	7.933	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2021	1	26	0.2317	22.650	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2021	1	27	0.3269	8.901	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2021	1	28	0.1209	5.319	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2021	2	1	9.8315	295.062	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2021	2	2	7.6736	308.447	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2021	2	3	8.1696	328.384	8.0600	5.7548	40.1957	18.50	0.337320
1	1	28	2021	2	4	10.0548	380.238	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2021	2	5	10.3058	389.730	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2021	2	6	5.5121	208.194	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2021	2	7	6.9188	261.326	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2021	2	8	6.7338	245.738	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2021	2	9	7.8651	287.022	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2021	2	10	7.7845	284.082	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2021	2	11	9.2510	337.597	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2021	2	12	9.8521	359.534	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2021	2	14	0.5537	16.618	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2021	2	15	0.2316	11.181	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2021	2	16	0.1314	5.920	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2021	2	17	0.1318	6.226	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2021	2	18	0.1987	11.261	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2021	2	19	0.2156	12.222	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2021	2	20	0.1954	12.653	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2021	2	21	0.2422	15.683	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2021	2	22	0.3048	39.691	6.6500	4.7481	130.2221	6.59	0.010278

1	1	28	2021	2	23	0.3753	74.245	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2021	2	24	11.2270	96.353	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2021	2	25	10.9704	298.725	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2021	2	26	0.6281	61.387	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2021	2	27	0.4917	13.389	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2021	2	28	0.3317	14.586	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2021	3	1	0.1650	4.953	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2021	3	2	0.1240	4.985	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2021	3	3	0.1763	7.085	8.0600	5.7548	40.1957	18.50	0.337320
1	1	28	2021	3	4	0.3688	13.947	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2021	3	5	0.4734	17.904	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2021	3	6	0.4366	16.491	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2021	3	7	0.4940	18.659	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2021	3	8	0.3960	14.450	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2021	3	9	0.4590	16.752	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2021	3	10	0.4549	16.601	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2021	3	11	0.5073	18.513	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2021	3	12	0.5397	19.695	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2021	3	14	0.0495	1.485	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2021	3	15	0.0352	1.699	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2021	3	16	0.3563	16.054	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2021	3	17	0.3378	15.960	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2021	3	18	0.5557	31.496	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2021	3	19	0.6028	34.168	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2021	3	20	0.6118	39.618	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2021	3	21	0.7576	49.059	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2021	3	22	0.8068	105.063	6.6500	4.7481	130.2221	6.59	0.010278
1	1	28	2021	3	23	1.0096	199.721	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2021	3	24	1.8986	16.294	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2021	3	25	1.2236	33.318	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2021	3	26	2.3296	227.692	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2021	3	27	1.9343	52.673	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2021	3	28	0.0967	4.253	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	29	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	29	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	29	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	29	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	29	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	29	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	29	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	29	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	29	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	29	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	29	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	29	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000

1	1	29	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	29	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	29	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	29	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	29	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	29	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	29	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	29	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	29	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	29	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	29	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	29	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2021	1	1	0.1670	5.011	7.2800	5.3799	30.0117	24.10	0.281246
1	1	29	2021	1	2	0.1099	4.416	8.0600	5.7548	40.1957	18.50	0.101405
1	1	29	2021	1	3	0.1506	6.052	8.0600	5.7548	40.1957	18.50	0.337320
1	1	29	2021	1	4	0.2757	10.426	8.0600	5.7548	37.8166	14.20	0.103547
1	1	29	2021	1	5	0.2955	11.175	8.0600	5.7548	37.8166	14.20	0.047578
1	1	29	2021	1	6	0.1651	6.234	6.8800	4.9123	37.7707	10.13	0.027524
1	1	29	2021	1	7	0.1577	5.958	6.8800	4.9123	37.7707	9.39	0.000969
1	1	29	2021	1	8	0.1411	5.148	6.8800	4.9123	36.4932	9.35	0.000281
1	1	29	2021	1	9	0.1567	5.720	6.8800	4.9123	36.4931	8.01	0.000959
1	1	29	2021	1	10	0.1560	5.694	6.8800	4.9123	36.4932	8.14	0.001996
1	1	29	2021	1	11	0.1680	6.132	6.8800	4.9123	36.4932	7.45	0.000819
1	1	29	2021	1	12	0.1786	6.519	6.8800	4.9123	36.4932	7.07	0.000002
1	1	29	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2021	1	14	0.0451	1.352	7.2800	5.1979	30.0117	32.40	0.000028
1	1	29	2021	1	15	0.0482	2.326	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2021	1	16	0.1038	4.677	6.6500	4.7481	45.0549	12.96	0.008198
1	1	29	2021	1	17	0.1165	5.505	6.6500	4.7481	47.2522	11.66	0.002544
1	1	29	2021	1	18	0.1407	7.975	6.6500	4.7481	56.6821	10.20	0.002699
1	1	29	2021	1	19	0.1536	8.706	6.6500	4.7481	56.6821	9.88	0.001293
1	1	29	2021	1	20	0.1861	12.050	6.6500	4.7481	64.7605	8.71	0.006032
1	1	29	2021	1	21	0.2300	14.893	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2021	1	22	0.2600	33.853	6.6500	4.7481	130.2221	6.59	0.010278
1	1	29	2021	1	23	0.2919	57.737	6.6500	4.7481	197.8148	6.30	0.036527
1	1	29	2021	1	24	1.9859	17.043	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2021	1	25	0.2809	7.649	6.8800	4.9123	27.2301	6.45	0.000303
1	1	29	2021	1	26	0.2255	22.040	6.6500	4.7481	97.7390	4.36	0.003655
1	1	29	2021	1	27	0.3181	8.661	6.6500	4.7481	27.2301	6.18	0.007008
1	1	29	2021	1	28	0.1188	5.223	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2021	2	1	9.8404	295.327	7.2800	5.3799	30.0117	24.10	0.281246
1	1	29	2021	2	2	7.6820	308.782	8.0600	5.7548	40.1957	18.50	0.101405
1	1	29	2021	2	3	8.1796	328.784	8.0600	5.7548	40.1957	18.50	0.337320
1	1	29	2021	2	4	10.0682	380.746	8.0600	5.7548	37.8166	14.20	0.103547

1	1	29	2021	2	5	10.3195	390.250	8.0600	5.7548	37.8166	14.20	0.047578
1	1	29	2021	2	6	5.3631	202.567	6.8800	4.9123	37.7707	10.13	0.027524
1	1	29	2021	2	7	6.7318	254.263	6.8800	4.9123	37.7707	9.39	0.000969
1	1	29	2021	2	8	6.5518	239.096	6.8800	4.9123	36.4932	9.35	0.000281
1	1	29	2021	2	9	7.6525	279.264	6.8800	4.9123	36.4931	8.01	0.000959
1	1	29	2021	2	10	7.5741	276.404	6.8800	4.9123	36.4932	8.14	0.001996
1	1	29	2021	2	11	9.0009	328.472	6.8800	4.9123	36.4932	7.45	0.000819
1	1	29	2021	2	12	9.5858	349.817	6.8800	4.9123	36.4932	7.07	0.000002
1	1	29	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2021	2	14	0.5442	16.332	7.2800	5.1979	30.0117	32.40	0.000028
1	1	29	2021	2	15	0.2270	10.961	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2021	2	16	0.1275	5.747	6.6500	4.7481	45.0549	12.96	0.008198
1	1	29	2021	2	17	0.1279	6.043	6.6500	4.7481	47.2522	11.66	0.002544
1	1	29	2021	2	18	0.1928	10.931	6.6500	4.7481	56.6821	10.20	0.002699
1	1	29	2021	2	19	0.2093	11.864	6.6500	4.7481	56.6821	9.88	0.001293
1	1	29	2021	2	20	0.1896	12.282	6.6500	4.7481	64.7605	8.71	0.006032
1	1	29	2021	2	21	0.2351	15.223	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2021	2	22	0.2959	38.527	6.6500	4.7481	130.2221	6.59	0.010278
1	1	29	2021	2	23	0.3643	72.067	6.6500	4.7481	197.8148	6.30	0.036527
1	1	29	2021	2	24	10.9720	94.164	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2021	2	25	10.6739	290.651	6.8800	4.9123	27.2301	6.45	0.000303
1	1	29	2021	2	26	0.6097	59.587	6.6500	4.7481	97.7390	4.36	0.003655
1	1	29	2021	2	27	0.4773	12.997	6.6500	4.7481	27.2301	6.18	0.007008
1	1	29	2021	2	28	0.3256	14.317	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2021	3	1	0.1644	4.933	7.2800	5.3799	30.0117	24.10	0.281246
1	1	29	2021	3	2	0.1235	4.964	8.0600	5.7548	40.1957	18.50	0.101405
1	1	29	2021	3	3	0.1756	7.058	8.0600	5.7548	40.1957	18.50	0.337320
1	1	29	2021	3	4	0.3677	13.906	8.0600	5.7548	37.8166	14.20	0.103547
1	1	29	2021	3	5	0.4722	17.859	8.0600	5.7548	37.8166	14.20	0.047578
1	1	29	2021	3	6	0.4403	16.631	6.8800	4.9123	37.7707	10.13	0.027524
1	1	29	2021	3	7	0.4982	18.817	6.8800	4.9123	37.7707	9.39	0.000969
1	1	29	2021	3	8	0.3993	14.572	6.8800	4.9123	36.4932	9.35	0.000281
1	1	29	2021	3	9	0.4629	16.894	6.8800	4.9123	36.4931	8.01	0.000959
1	1	29	2021	3	10	0.4588	16.742	6.8800	4.9123	36.4932	8.14	0.001996
1	1	29	2021	3	11	0.5116	18.670	6.8800	4.9123	36.4932	7.45	0.000819
1	1	29	2021	3	12	0.5443	19.863	6.8800	4.9123	36.4932	7.07	0.000002
1	1	29	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2021	3	14	0.0494	1.482	7.2800	5.1979	30.0117	32.40	0.000028
1	1	29	2021	3	15	0.0351	1.695	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2021	3	16	0.3556	16.022	6.6500	4.7481	45.0549	12.96	0.008198
1	1	29	2021	3	17	0.3371	15.929	6.6500	4.7481	47.2522	11.66	0.002544
1	1	29	2021	3	18	0.5546	31.435	6.6500	4.7481	56.6821	10.20	0.002699
1	1	29	2021	3	19	0.6016	34.101	6.6500	4.7481	56.6821	9.88	0.001293
1	1	29	2021	3	20	0.6106	39.540	6.6500	4.7481	64.7605	8.71	0.006032
1	1	29	2021	3	21	0.7561	48.962	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2021	3	22	0.8052	104.857	6.6500	4.7481	130.2221	6.59	0.010278
1	1	29	2021	3	23	1.0077	199.332	6.6500	4.7481	197.8148	6.30	0.036527

1	1	29	2021	3	24	1.9139	16.426	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2021	3	25	1.2340	33.601	6.8800	4.9123	27.2301	6.45	0.000303
1	1	29	2021	3	26	2.3249	227.232	6.6500	4.7481	97.7390	4.36	0.003655
1	1	29	2021	3	27	1.9304	52.566	6.6500	4.7481	27.2301	6.18	0.007008
1	1	29	2021	3	28	0.0965	4.245	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	30	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	30	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	30	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	30	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	30	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	30	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	30	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	30	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	30	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	30	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	30	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	30	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	30	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	30	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	30	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	30	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	30	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	30	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	30	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	30	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	30	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	30	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	30	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2021	1	1	0.1654	4.965	7.2800	5.3799	30.0117	24.10	0.281246
1	1	30	2021	1	2	0.1089	4.377	8.0600	5.7548	40.1957	18.50	0.101405
1	1	30	2021	1	3	0.1495	6.011	8.0600	5.7548	40.1957	18.50	0.337320
1	1	30	2021	1	4	0.2736	10.347	8.0600	5.7548	37.8166	14.20	0.103547
1	1	30	2021	1	5	0.2932	11.088	8.0600	5.7548	37.8166	14.20	0.047578
1	1	30	2021	1	6	0.1596	6.030	6.8800	4.9123	37.7707	10.13	0.027524
1	1	30	2021	1	7	0.1526	5.766	6.8800	4.9123	37.7707	9.39	0.000969
1	1	30	2021	1	8	0.1366	4.986	6.8800	4.9123	36.4932	9.35	0.000281
1	1	30	2021	1	9	0.1516	5.534	6.8800	4.9123	36.4931	8.01	0.000959
1	1	30	2021	1	10	0.1510	5.509	6.8800	4.9123	36.4932	8.14	0.001996
1	1	30	2021	1	11	0.1625	5.929	6.8800	4.9123	36.4932	7.45	0.000819
1	1	30	2021	1	12	0.1726	6.299	6.8800	4.9123	36.4932	7.07	0.000002
1	1	30	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2021	1	14	0.0443	1.330	7.2800	5.1979	30.0117	32.40	0.000028

1	1	30	2021	1	15	0.0473	2.282	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	30	2021	1	16	0.1011	4.556	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	30	2021	1	17	0.1135	5.362	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	30	2021	1	18	0.1370	7.767	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	30	2021	1	19	0.1496	8.480	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	30	2021	1	20	0.1812	11.737	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	30	2021	1	21	0.2240	14.506	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	30	2021	1	22	0.2532	32.973	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	30	2021	1	23	0.2843	56.236	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	30	2021	1	24	1.9583	16.806	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	30	2021	1	25	0.2711	7.381	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	30	2021	1	26	0.2196	21.467	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	30	2021	1	27	0.3098	8.436	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	30	2021	1	28	0.1167	5.132	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	30	2021	2	1	9.8487	295.576	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	30	2021	2	2	7.6898	309.095	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	30	2021	2	3	8.1890	329.161	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	30	2021	2	4	10.0808	381.223	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	30	2021	2	5	10.3324	390.738	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	30	2021	2	6	5.2231	197.281	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	30	2021	2	7	6.5561	247.628	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	30	2021	2	8	6.3808	232.857	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	30	2021	2	9	7.4528	271.977	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	30	2021	2	10	7.3765	269.191	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	30	2021	2	11	8.7660	319.901	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	30	2021	2	12	9.3357	340.688	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	30	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	30	2021	2	14	0.5353	16.064	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	30	2021	2	15	0.2227	10.754	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	30	2021	2	16	0.1239	5.583	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	30	2021	2	17	0.1243	5.871	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	30	2021	2	18	0.1874	10.621	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	30	2021	2	19	0.2034	11.527	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	30	2021	2	20	0.1843	11.933	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	30	2021	2	21	0.2284	14.791	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	30	2021	2	22	0.2875	37.434	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	30	2021	2	23	0.3540	70.022	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	30	2021	2	24	10.7324	92.108	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	30	2021	2	25	10.3953	283.066	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	30	2021	2	26	0.5923	57.896	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	30	2021	2	27	0.4637	12.628	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	30	2021	2	28	0.3198	14.064	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	30	2021	3	1	0.1638	4.916	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	30	2021	3	2	0.1230	4.944	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	30	2021	3	3	0.1750	7.034	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	30	2021	3	4	0.3667	13.868	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	30	2021	3	5	0.4711	17.816	8.0600	5.7548	37.8166	14.20
0.047578											

1	1	30	2021	3	6	0.4438	16.763	6.8800	4.9123	37.7707	10.13	0.027524
1	1	30	2021	3	7	0.5021	18.966	6.8800	4.9123	37.7707	9.39	0.000969
1	1	30	2021	3	8	0.4025	14.688	6.8800	4.9123	36.4932	9.35	0.000281
1	1	30	2021	3	9	0.4666	17.027	6.8800	4.9123	36.4931	8.01	0.000959
1	1	30	2021	3	10	0.4624	16.875	6.8800	4.9123	36.4932	8.14	0.001996
1	1	30	2021	3	11	0.5156	18.817	6.8800	4.9123	36.4932	7.45	0.000819
1	1	30	2021	3	12	0.5486	20.020	6.8800	4.9123	36.4932	7.07	0.000002
1	1	30	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2021	3	14	0.0493	1.480	7.2800	5.1979	30.0117	32.40	0.000028
1	1	30	2021	3	15	0.0351	1.692	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2021	3	16	0.3550	15.993	6.6500	4.7481	45.0549	12.96	0.008198
1	1	30	2021	3	17	0.3365	15.900	6.6500	4.7481	47.2522	11.66	0.002544
1	1	30	2021	3	18	0.5536	31.377	6.6500	4.7481	56.6821	10.20	0.002699
1	1	30	2021	3	19	0.6005	34.038	6.6500	4.7481	56.6821	9.88	0.001293
1	1	30	2021	3	20	0.6094	39.466	6.6500	4.7481	64.7605	8.71	0.006032
1	1	30	2021	3	21	0.7546	48.871	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2021	3	22	0.8037	104.664	6.6500	4.7481	130.2221	6.59	0.010278
1	1	30	2021	3	23	1.0058	198.966	6.6500	4.7481	197.8148	6.30	0.036527
1	1	30	2021	3	24	1.9283	16.549	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2021	3	25	1.2437	33.867	6.8800	4.9123	27.2301	6.45	0.000303
1	1	30	2021	3	26	2.3205	226.799	6.6500	4.7481	97.7390	4.36	0.003655
1	1	30	2021	3	27	1.9268	52.466	6.6500	4.7481	27.2301	6.18	0.007008
1	1	30	2021	3	28	0.0964	4.238	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374

1	1	31	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2021	1	1	0.1640	4.922	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2021	1	2	0.1080	4.340	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2021	1	3	0.1486	5.972	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2021	1	4	0.2716	10.273	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2021	1	5	0.2910	11.007	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2021	1	6	0.1546	5.838	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2021	1	7	0.1479	5.585	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2021	1	8	0.1325	4.834	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2021	1	9	0.1469	5.359	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2021	1	10	0.1462	5.335	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2021	1	11	0.1572	5.737	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2021	1	12	0.1670	6.093	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2021	1	14	0.0436	1.309	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2021	1	15	0.0464	2.239	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2021	1	16	0.0986	4.441	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2021	1	17	0.1106	5.227	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2021	1	18	0.1336	7.572	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2021	1	19	0.1458	8.267	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2021	1	20	0.1767	11.442	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2021	1	21	0.2184	14.141	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2021	1	22	0.2468	32.145	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2021	1	23	0.2771	54.823	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2021	1	24	1.9323	16.583	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2021	1	25	0.2618	7.130	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2021	1	26	0.2141	20.927	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2021	1	27	0.3020	8.224	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2021	1	28	0.1148	5.048	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2021	2	1	9.8565	295.810	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2021	2	2	7.6971	309.391	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2021	2	3	8.1978	329.515	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2021	2	4	10.0927	381.672	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2021	2	5	10.3446	391.198	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2021	2	6	5.0914	192.306	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2021	2	7	6.3908	241.383	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2021	2	8	6.2199	226.985	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2021	2	9	7.2649	265.118	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2021	2	10	7.1905	262.402	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2021	2	11	8.5450	311.833	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2021	2	12	9.1003	332.097	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2021	2	14	0.5268	15.811	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2021	2	15	0.2187	10.559	8.0600	5.7548	48.2848	22.10	0.004518

1	1	31	2021	2	16	0.1205	5.430	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2021	2	17	0.1208	5.710	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2021	2	18	0.1822	10.329	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2021	2	19	0.1978	11.210	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2021	2	20	0.1792	11.605	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2021	2	21	0.2221	14.384	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2021	2	22	0.2796	36.404	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2021	2	23	0.3442	68.097	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2021	2	24	10.5069	90.172	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2021	2	25	10.1332	275.928	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2021	2	26	0.5761	56.304	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2021	2	27	0.4510	12.281	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2021	2	28	0.3144	13.826	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2021	3	1	0.1632	4.899	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2021	3	2	0.1225	4.926	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2021	3	3	0.1744	7.011	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2021	3	4	0.3658	13.832	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2021	3	5	0.4701	17.776	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2021	3	6	0.4471	16.886	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2021	3	7	0.5058	19.106	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2021	3	8	0.4054	14.796	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2021	3	9	0.4700	17.153	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2021	3	10	0.4658	16.999	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2021	3	11	0.5194	18.956	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2021	3	12	0.5526	20.167	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2021	3	14	0.0492	1.477	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2021	3	15	0.0350	1.690	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2021	3	16	0.3544	15.965	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2021	3	17	0.3359	15.872	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2021	3	18	0.5526	31.323	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2021	3	19	0.5995	33.979	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2021	3	20	0.6084	39.397	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2021	3	21	0.7533	48.785	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2021	3	22	0.8023	104.482	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2021	3	23	1.0041	198.622	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2021	3	24	1.9419	16.665	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2021	3	25	1.2529	34.117	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2021	3	26	2.3163	226.392	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2021	3	27	1.9233	52.372	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2021	3	28	0.0962	4.231	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524

1	1	32	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	32	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	32	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2021	1	1	0.1626	4.881	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2021	1	2	0.1071	4.305	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2021	1	3	0.1477	5.936	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2021	1	4	0.2698	10.203	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2021	1	5	0.2890	10.929	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2021	1	6	0.1498	5.657	6.8800	4.9123	37.7707	10.13	0.027524
1	1	32	2021	1	7	0.1433	5.414	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2021	1	8	0.1285	4.690	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2021	1	9	0.1423	5.194	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2021	1	10	0.1417	5.171	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2021	1	11	0.1523	5.557	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2021	1	12	0.1616	5.898	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2021	1	14	0.0430	1.290	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2021	1	15	0.0456	2.199	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2021	1	16	0.0962	4.333	6.6500	4.7481	45.0549	12.96	0.008198
1	1	32	2021	1	17	0.1079	5.100	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2021	1	18	0.1303	7.388	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2021	1	19	0.1423	8.066	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2021	1	20	0.1724	11.164	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2021	1	21	0.2131	13.798	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2021	1	22	0.2408	31.364	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2021	1	23	0.2704	53.491	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2021	1	24	1.9078	16.373	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2021	1	25	0.2531	6.893	6.8800	4.9123	27.2301	6.45	0.000303

1	1	32	2021	1	26	0.2089	20.419	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2021	1	27	0.2947	8.024	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2021	1	28	0.1130	4.968	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2021	2	1	9.8638	296.031	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2021	2	2	7.7040	309.669	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2021	2	3	8.2061	329.848	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2021	2	4	10.1039	382.095	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2021	2	5	10.3560	391.631	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2021	2	6	4.9672	187.615	6.8800	4.9123	37.7707	10.13	0.027524
1	1	32	2021	2	7	6.2349	235.495	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2021	2	8	6.0682	221.448	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2021	2	9	7.0877	258.651	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2021	2	10	7.0151	256.002	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2021	2	11	8.3365	304.227	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2021	2	12	8.8783	323.996	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2021	2	14	0.5189	15.573	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2021	2	15	0.2149	10.375	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2021	2	16	0.1173	5.285	6.6500	4.7481	45.0549	12.96	0.008198
1	1	32	2021	2	17	0.1176	5.558	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2021	2	18	0.1774	10.054	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2021	2	19	0.1925	10.912	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2021	2	20	0.1744	11.296	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2021	2	21	0.2162	14.001	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2021	2	22	0.2721	35.434	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2021	2	23	0.3351	66.282	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2021	2	24	10.2942	88.347	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2021	2	25	9.8860	269.197	6.8800	4.9123	27.2301	6.45	0.000303
1	1	32	2021	2	26	0.5607	54.803	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2021	2	27	0.4390	11.953	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2021	2	28	0.3093	13.602	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2021	3	1	0.1627	4.883	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2021	3	2	0.1221	4.908	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2021	3	3	0.1739	6.989	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2021	3	4	0.3649	13.798	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2021	3	5	0.4691	17.738	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2021	3	6	0.4502	17.003	6.8800	4.9123	37.7707	10.13	0.027524
1	1	32	2021	3	7	0.5093	19.238	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2021	3	8	0.4082	14.898	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2021	3	9	0.4733	17.272	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2021	3	10	0.4690	17.116	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2021	3	11	0.5230	19.087	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2021	3	12	0.5564	20.307	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2021	3	14	0.0492	1.475	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2021	3	15	0.0349	1.687	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2021	3	16	0.3538	15.939	6.6500	4.7481	45.0549	12.96	0.008198

1	1	32	2021	3	17	0.3353	15.846	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2021	3	18	0.5517	31.271	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2021	3	19	0.5985	33.924	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2021	3	20	0.6073	39.332	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2021	3	21	0.7521	48.704	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2021	3	22	0.8010	104.311	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2021	3	23	1.0024	198.298	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2021	3	24	1.9546	16.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2021	3	25	1.2616	34.352	6.8800	4.9123	27.2301	6.45	0.000303
1	1	32	2021	3	26	2.3124	226.008	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2021	3	27	1.9201	52.284	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2021	3	28	0.0961	4.225	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	33	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	33	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2021	1	1	0.1618	4.857	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2021	1	2	0.1067	4.287	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2021	1	3	0.1475	5.929	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2021	1	4	0.2691	10.175	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2021	1	5	0.2881	10.894	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2021	1	6	0.1457	5.502	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2021	1	7	0.1394	5.267	6.8800	4.9123	37.7707	9.39	0.000969

1	1	33	2021	1	8	0.1251	4.567	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2021	1	9	0.1385	5.053	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2021	1	10	0.1378	5.030	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2021	1	11	0.1481	5.403	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2021	1	12	0.1571	5.731	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2021	1	14	0.0424	1.271	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2021	1	15	0.0448	2.162	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2021	1	16	0.0940	4.233	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2021	1	17	0.1054	4.982	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2021	1	18	0.1273	7.217	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2021	1	19	0.1390	7.879	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2021	1	20	0.1684	10.906	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2021	1	21	0.2081	13.478	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2021	1	22	0.2353	30.638	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2021	1	23	0.2642	52.253	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2021	1	24	1.8861	16.187	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2021	1	25	0.2457	6.690	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2021	1	26	0.2041	19.946	6.6500	4.7481	97.7390	4.36	0.003655
1	1	33	2021	1	27	0.2879	7.839	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2021	1	28	0.1113	4.893	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2021	2	1	9.9218	297.769	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2021	2	2	7.7587	311.865	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2021	2	3	8.2647	332.204	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2021	2	4	10.1806	384.997	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2021	2	5	10.4341	394.581	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2021	2	6	4.8849	184.506	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2021	2	7	6.1315	231.593	6.8800	4.9123	37.7707	9.39	0.000969
1	1	33	2021	2	8	5.9676	217.778	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2021	2	9	6.9702	254.365	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2021	2	10	6.8988	251.759	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2021	2	11	8.1984	299.185	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2021	2	12	8.7311	318.627	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2021	2	14	0.5128	15.391	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2021	2	15	0.2120	10.235	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2021	2	16	0.1149	5.175	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2021	2	17	0.1152	5.442	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2021	2	18	0.1737	9.843	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2021	2	19	0.1885	10.684	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2021	2	20	0.1708	11.060	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2021	2	21	0.2117	13.708	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2021	2	22	0.2664	34.694	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2021	2	23	0.3281	64.897	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2021	2	24	10.1082	86.751	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2021	2	25	9.7222	264.736	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2021	2	26	0.5490	53.658	6.6500	4.7481	97.7390	4.36	0.003655

1	1	33	2021	2	27	0.4298	11.704	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2021	2	28	0.3054	13.431	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2021	3	1	0.1635	4.907	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2021	3	2	0.1228	4.935	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2021	3	3	0.1747	7.021	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2021	3	4	0.3660	13.842	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2021	3	5	0.4700	17.775	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2021	3	6	0.4541	17.150	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2021	3	7	0.5137	19.404	6.8800	4.9123	37.7707	9.39	0.000969
1	1	33	2021	3	8	0.4118	15.027	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2021	3	9	0.4774	17.421	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2021	3	10	0.4731	17.264	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2021	3	11	0.5275	19.252	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2021	3	12	0.5613	20.482	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2021	3	14	0.0494	1.483	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2021	3	15	0.0351	1.697	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2021	3	16	0.3559	16.033	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2021	3	17	0.3373	15.940	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2021	3	18	0.5550	31.456	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2021	3	19	0.6020	34.124	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2021	3	20	0.6110	39.567	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2021	3	21	0.7566	48.996	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2021	3	22	0.8058	104.929	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2021	3	23	1.0084	199.467	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2021	3	24	1.9654	16.868	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2021	3	25	1.2724	34.649	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2021	3	26	2.3265	227.392	6.6500	4.7481	97.7390	4.36	0.003655
1	1	33	2021	3	27	1.9318	52.603	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2021	3	28	0.0966	4.248	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	34	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544

1	1	34	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	34	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2021	1	1	0.1610	4.833	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2021	1	2	0.1062	4.270	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2021	1	3	0.1474	5.923	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2021	1	4	0.2684	10.149	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2021	1	5	0.2872	10.860	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2021	1	6	0.1418	5.355	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2021	1	7	0.1358	5.128	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2021	1	8	0.1219	4.450	6.8800	4.9123	36.4932	9.35	0.000281
1	1	34	2021	1	9	0.1348	4.919	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2021	1	10	0.1342	4.897	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2021	1	11	0.1441	5.257	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2021	1	12	0.1527	5.574	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2021	1	14	0.0418	1.254	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2021	1	15	0.0441	2.127	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2021	1	16	0.0918	4.138	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2021	1	17	0.1031	4.870	6.6500	4.7481	47.2522	11.66	0.002544
1	1	34	2021	1	18	0.1245	7.055	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2021	1	19	0.1359	7.703	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2021	1	20	0.1646	10.661	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2021	1	21	0.2035	13.176	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2021	1	22	0.2300	29.951	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2021	1	23	0.2582	51.082	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2021	1	24	1.8656	16.011	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2021	1	25	0.2386	6.498	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2021	1	26	0.1995	19.499	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2021	1	27	0.2814	7.663	6.6500	4.7481	27.2301	6.18	0.007008
1	1	34	2021	1	28	0.1097	4.823	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2021	2	1	9.9766	299.414	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2021	2	2	7.8103	313.942	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2021	2	3	8.3201	334.433	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2021	2	4	10.2532	387.742	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2021	2	5	10.5078	397.372	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2021	2	6	4.8070	181.565	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2021	2	7	6.0338	227.901	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2021	2	8	5.8725	214.307	6.8800	4.9123	36.4932	9.35	0.000281

1	1	34	2021	2	9	6.8591	250.310	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2021	2	10	6.7888	247.746	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2021	2	11	8.0677	294.416	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2021	2	12	8.5920	313.548	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2021	2	14	0.5071	15.219	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2021	2	15	0.2092	10.102	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2021	2	16	0.1125	5.070	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2021	2	17	0.1128	5.332	6.6500	4.7481	47.2522	11.66	0.002544
1	1	34	2021	2	18	0.1702	9.645	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2021	2	19	0.1847	10.468	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2021	2	20	0.1673	10.837	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2021	2	21	0.2074	13.432	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2021	2	22	0.2610	33.993	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2021	2	23	0.3214	63.587	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2021	2	24	9.9323	85.241	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2021	2	25	9.5672	260.516	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2021	2	26	0.5379	52.575	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2021	2	27	0.4211	11.467	6.6500	4.7481	27.2301	6.18	0.007008
1	1	34	2021	2	28	0.3017	13.269	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2021	3	1	0.1643	4.929	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2021	3	2	0.1234	4.960	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2021	3	3	0.1754	7.051	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2021	3	4	0.3671	13.884	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2021	3	5	0.4709	17.809	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2021	3	6	0.4577	17.289	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2021	3	7	0.5179	19.561	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2021	3	8	0.4151	15.149	6.8800	4.9123	36.4932	9.35	0.000281
1	1	34	2021	3	9	0.4812	17.562	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2021	3	10	0.4769	17.404	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2021	3	11	0.5318	19.408	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2021	3	12	0.5658	20.648	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2021	3	14	0.0497	1.491	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2021	3	15	0.0353	1.706	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2021	3	16	0.3578	16.122	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2021	3	17	0.3392	16.028	6.6500	4.7481	47.2522	11.66	0.002544
1	1	34	2021	3	18	0.5580	31.631	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2021	3	19	0.6054	34.314	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2021	3	20	0.6144	39.790	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2021	3	21	0.7608	49.272	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2021	3	22	0.8103	105.514	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2021	3	23	1.0139	200.572	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2021	3	24	1.9757	16.956	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2021	3	25	1.2828	34.930	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2021	3	26	2.3399	228.700	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2021	3	27	1.9429	52.905	6.6500	4.7481	27.2301	6.18	0.007008

1	1	34	2021	3	28	0.0971	4.271	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	35	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	35	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2021	1	1	0.1603	4.811	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2021	1	2	0.1058	4.254	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2021	1	3	0.1472	5.917	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2021	1	4	0.2677	10.124	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2021	1	5	0.2863	10.827	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2021	1	6	0.1381	5.215	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2021	1	7	0.1323	4.997	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2021	1	8	0.1189	4.339	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2021	1	9	0.1313	4.793	6.8800	4.9123	36.4931	8.01	0.000959
1	1	35	2021	1	10	0.1308	4.772	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2021	1	11	0.1403	5.119	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2021	1	12	0.1487	5.425	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2021	1	14	0.0412	1.238	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2021	1	15	0.0434	2.094	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2021	1	16	0.0899	4.048	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2021	1	17	0.1008	4.764	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2021	1	18	0.1218	6.902	6.6500	4.7481	56.6821	10.20	0.002699

1	1	35	2021	1	19	0.1329	7.535	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2021	1	20	0.1611	10.430	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2021	1	21	0.1990	12.890	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2021	1	22	0.2250	29.300	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2021	1	23	0.2526	49.972	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2021	1	24	1.8462	15.845	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2021	1	25	0.2320	6.316	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2021	1	26	0.1952	19.076	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2021	1	27	0.2753	7.496	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2021	1	28	0.1082	4.756	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2021	2	1	10.0285	300.971	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2021	2	2	7.8593	315.910	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2021	2	3	8.3726	336.544	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2021	2	4	10.3220	390.342	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2021	2	5	10.5778	400.015	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2021	2	6	4.7333	178.779	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2021	2	7	5.9412	224.404	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2021	2	8	5.7824	211.018	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2021	2	9	6.7538	246.469	6.8800	4.9123	36.4931	8.01	0.000959
1	1	35	2021	2	10	6.6847	243.944	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2021	2	11	7.9439	289.898	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2021	2	12	8.4601	308.737	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2021	2	14	0.5017	15.056	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2021	2	15	0.2066	9.976	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2021	2	16	0.1103	4.971	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2021	2	17	0.1106	5.228	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2021	2	18	0.1668	9.456	6.6500	4.7481	56.6821	10.20	0.002699
1	1	35	2021	2	19	0.1811	10.264	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2021	2	20	0.1641	10.625	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2021	2	21	0.2034	13.169	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2021	2	22	0.2559	33.330	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2021	2	23	0.3152	62.345	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2021	2	24	9.7656	83.811	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2021	2	25	9.4204	256.519	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2021	2	26	0.5274	51.549	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2021	2	27	0.4129	11.244	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2021	2	28	0.2983	13.116	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2021	3	1	0.1650	4.951	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2021	3	2	0.1240	4.984	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2021	3	3	0.1761	7.080	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2021	3	4	0.3682	13.923	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2021	3	5	0.4718	17.842	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2021	3	6	0.4612	17.420	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2021	3	7	0.5218	19.710	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2021	3	8	0.4183	15.264	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2021	3	9	0.4849	17.696	6.8800	4.9123	36.4931	8.01	0.000959

1	1	35	2021	3	10	0.4805	17.537	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2021	3	11	0.5359	19.556	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2021	3	12	0.5701	20.805	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2021	3	14	0.0499	1.499	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2021	3	15	0.0355	1.714	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2021	3	16	0.3597	16.207	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2021	3	17	0.3410	16.112	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2021	3	18	0.5610	31.797	6.6500	4.7481	56.6821	10.20	0.002699
1	1	35	2021	3	19	0.6085	34.493	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2021	3	20	0.6177	40.001	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2021	3	21	0.7649	49.533	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2021	3	22	0.8145	106.068	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2021	3	23	1.0192	201.620	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2021	3	24	1.9854	17.039	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2021	3	25	1.2925	35.196	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2021	3	26	2.3526	229.940	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2021	3	27	1.9534	53.192	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2021	3	28	0.0976	4.292	8.0600	5.7548	43.9743	17.00	0.002242
1	1	36	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	36	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	36	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	36	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	36	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	36	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	36	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	36	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	36	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	36	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	36	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	36	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	36	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	36	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	36	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	36	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	36	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	36	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	36	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	36	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	36	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	36	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	36	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	36	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242

1	1	36	2021	1	1	0.1596	4.790	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	36	2021	1	2	0.1055	4.239	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	36	2021	1	3	0.1471	5.912	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	36	2021	1	4	0.2671	10.101	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	36	2021	1	5	0.2855	10.797	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	36	2021	1	6	0.1346	5.083	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	36	2021	1	7	0.1290	4.872	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	36	2021	1	8	0.1160	4.234	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	36	2021	1	9	0.1280	4.672	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	36	2021	1	10	0.1275	4.652	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	36	2021	1	11	0.1367	4.988	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	36	2021	1	12	0.1448	5.284	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	36	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	36	2021	1	14	0.0407	1.222	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	36	2021	1	15	0.0427	2.063	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	36	2021	1	16	0.0880	3.963	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	36	2021	1	17	0.0987	4.664	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	36	2021	1	18	0.1192	6.757	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	36	2021	1	19	0.1301	7.377	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	36	2021	1	20	0.1577	10.210	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	36	2021	1	21	0.1948	12.618	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	36	2021	1	22	0.2203	28.683	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	36	2021	1	23	0.2473	48.919	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	36	2021	1	24	1.8278	15.687	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	36	2021	1	25	0.2256	6.144	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	36	2021	1	26	0.1911	18.674	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	36	2021	1	27	0.2695	7.338	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	36	2021	1	28	0.1067	4.693	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	36	2021	2	1	10.0777	302.449	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	36	2021	2	2	7.9057	317.777	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	36	2021	2	3	8.4225	338.547	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	36	2021	2	4	10.3872	392.810	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	36	2021	2	5	10.6441	402.524	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	36	2021	2	6	4.6633	176.136	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	36	2021	2	7	5.8534	221.086	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	36	2021	2	8	5.6969	207.898	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	36	2021	2	9	6.6540	242.825	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	36	2021	2	10	6.5858	240.338	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	36	2021	2	11	7.8265	285.612	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	36	2021	2	12	8.3350	304.172	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	36	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	36	2021	2	14	0.4965	14.902	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	36	2021	2	15	0.2041	9.857	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	36	2021	2	16	0.1083	4.877	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	36	2021	2	17	0.1085	5.129	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	36	2021	2	18	0.1637	9.278	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	36	2021	2	19	0.1777	10.070	6.6500	4.7481	56.6821	9.88
0.001293											

1	1	36	2021	2	20	0.1610	10.424	6.6500	4.7481	64.7605	8.71	0.006032
1	1	36	2021	2	21	0.1995	12.921	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2021	2	22	0.2511	32.700	6.6500	4.7481	130.2221	6.59	0.010278
1	1	36	2021	2	23	0.3092	61.168	6.6500	4.7481	197.8148	6.30	0.036527
1	1	36	2021	2	24	9.6075	82.454	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2021	2	25	9.2811	252.726	6.8800	4.9123	27.2301	6.45	0.000303
1	1	36	2021	2	26	0.5174	50.575	6.6500	4.7481	97.7390	4.36	0.003655
1	1	36	2021	2	27	0.4051	11.031	6.6500	4.7481	27.2301	6.18	0.007008
1	1	36	2021	2	28	0.2950	12.970	8.0600	5.7548	43.9743	17.00	0.002242
1	1	36	2021	3	1	0.1656	4.971	7.2800	5.3799	30.0117	24.10	0.281246
1	1	36	2021	3	2	0.1245	5.006	8.0600	5.7548	40.1957	18.50	0.101405
1	1	36	2021	3	3	0.1768	7.107	8.0600	5.7548	40.1957	18.50	0.337320
1	1	36	2021	3	4	0.3692	13.961	8.0600	5.7548	37.8166	14.20	0.103547
1	1	36	2021	3	5	0.4726	17.872	8.0600	5.7548	37.8166	14.20	0.047578
1	1	36	2021	3	6	0.4645	17.545	6.8800	4.9123	37.7707	10.13	0.027524
1	1	36	2021	3	7	0.5256	19.851	6.8800	4.9123	37.7707	9.39	0.000969
1	1	36	2021	3	8	0.4213	15.373	6.8800	4.9123	36.4932	9.35	0.000281
1	1	36	2021	3	9	0.4884	17.822	6.8800	4.9123	36.4931	8.01	0.000959
1	1	36	2021	3	10	0.4840	17.662	6.8800	4.9123	36.4932	8.14	0.001996
1	1	36	2021	3	11	0.5397	19.696	6.8800	4.9123	36.4932	7.45	0.000819
1	1	36	2021	3	12	0.5742	20.954	6.8800	4.9123	36.4932	7.07	0.000002
1	1	36	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2021	3	14	0.0502	1.505	7.2800	5.1979	30.0117	32.40	0.000028
1	1	36	2021	3	15	0.0357	1.723	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2021	3	16	0.3615	16.287	6.6500	4.7481	45.0549	12.96	0.008198
1	1	36	2021	3	17	0.3427	16.192	6.6500	4.7481	47.2522	11.66	0.002544
1	1	36	2021	3	18	0.5637	31.954	6.6500	4.7481	56.6821	10.20	0.002699
1	1	36	2021	3	19	0.6115	34.664	6.6500	4.7481	56.6821	9.88	0.001293
1	1	36	2021	3	20	0.6208	40.201	6.6500	4.7481	64.7605	8.71	0.006032
1	1	36	2021	3	21	0.7687	49.781	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2021	3	22	0.8185	106.593	6.6500	4.7481	130.2221	6.59	0.010278
1	1	36	2021	3	23	1.0243	202.614	6.6500	4.7481	197.8148	6.30	0.036527
1	1	36	2021	3	24	1.9946	17.118	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2021	3	25	1.3018	35.448	6.8800	4.9123	27.2301	6.45	0.000303
1	1	36	2021	3	26	2.3646	231.116	6.6500	4.7481	97.7390	4.36	0.003655
1	1	36	2021	3	27	1.9634	53.463	6.6500	4.7481	27.2301	6.18	0.007008
1	1	36	2021	3	28	0.0981	4.312	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	37	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996

1	1	37	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	37	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2021	1	1	0.1589	4.770	7.2800	5.3799	30.0117	24.10	0.281246
1	1	37	2021	1	2	0.1051	4.225	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2021	1	3	0.1469	5.907	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2021	1	4	0.2665	10.078	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2021	1	5	0.2847	10.768	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2021	1	6	0.1313	4.958	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2021	1	7	0.1258	4.753	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2021	1	8	0.1133	4.135	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2021	1	9	0.1249	4.558	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2021	1	10	0.1244	4.539	6.8800	4.9123	36.4932	8.14	0.001996
1	1	37	2021	1	11	0.1333	4.863	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2021	1	12	0.1411	5.150	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2021	1	14	0.0402	1.207	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2021	1	15	0.0421	2.033	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2021	1	16	0.0862	3.882	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2021	1	17	0.0967	4.569	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2021	1	18	0.1168	6.619	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2021	1	19	0.1275	7.226	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2021	1	20	0.1544	10.001	6.6500	4.7481	64.7605	8.71	0.006032
1	1	37	2021	1	21	0.1909	12.360	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2021	1	22	0.2158	28.097	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2021	1	23	0.2422	47.919	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2021	1	24	1.8103	15.537	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2021	1	25	0.2196	5.980	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2021	1	26	0.1872	18.292	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2021	1	27	0.2640	7.188	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2021	1	28	0.1054	4.633	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2021	2	1	10.1245	303.853	7.2800	5.3799	30.0117	24.10	0.281246

1	1	37	2021	2	2	7.9499	319.550	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2021	2	3	8.4698	340.450	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2021	2	4	10.4492	395.153	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2021	2	5	10.7071	404.906	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2021	2	6	4.5968	173.624	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2021	2	7	5.7699	217.934	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2021	2	8	5.6157	204.934	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2021	2	9	6.5591	239.363	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2021	2	10	6.4919	236.911	6.8800	4.9123	36.4932	8.14	0.001996
1	1	37	2021	2	11	7.7149	281.540	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2021	2	12	8.2162	299.835	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2021	2	14	0.4916	14.755	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2021	2	15	0.2018	9.744	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2021	2	16	0.1063	4.788	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2021	2	17	0.1066	5.035	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2021	2	18	0.1607	9.108	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2021	2	19	0.1744	9.886	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2021	2	20	0.1580	10.234	6.6500	4.7481	64.7605	8.71	0.006032
1	1	37	2021	2	21	0.1959	12.684	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2021	2	22	0.2465	32.102	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2021	2	23	0.3036	60.049	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2021	2	24	9.4573	81.165	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2021	2	25	9.1488	249.123	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2021	2	26	0.5080	49.650	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2021	2	27	0.3977	10.829	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2021	2	28	0.2918	12.832	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2021	3	1	0.1663	4.991	7.2800	5.3799	30.0117	24.10	0.281246
1	1	37	2021	3	2	0.1251	5.028	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2021	3	3	0.1774	7.133	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2021	3	4	0.3701	13.996	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2021	3	5	0.4734	17.902	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2021	3	6	0.4677	17.664	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2021	3	7	0.5291	19.986	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2021	3	8	0.4241	15.477	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2021	3	9	0.4917	17.943	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2021	3	10	0.4873	17.782	6.8800	4.9123	36.4932	8.14	0.001996
1	1	37	2021	3	11	0.5434	19.829	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2021	3	12	0.5781	21.096	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2021	3	14	0.0504	1.512	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2021	3	15	0.0358	1.730	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2021	3	16	0.3632	16.363	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2021	3	17	0.3443	16.267	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2021	3	18	0.5664	32.103	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2021	3	19	0.6144	34.826	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2021	3	20	0.6237	40.392	6.6500	4.7481	64.7605	8.71	0.006032

1	1	37	2021	3	21	0.7723	50.017	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2021	3	22	0.8224	107.093	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2021	3	23	1.0290	203.558	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2021	3	24	2.0033	17.193	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2021	3	25	1.3106	35.687	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2021	3	26	2.3761	232.233	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2021	3	27	1.9729	53.721	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2021	3	28	0.0985	4.331	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	38	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	38	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	38	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	38	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	38	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	38	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	38	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	38	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	38	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	38	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	38	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	38	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	38	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	38	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	38	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	38	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	38	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	38	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	38	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	38	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	38	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	38	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	38	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2021	1	1	0.1583	4.751	7.2800	5.3799	30.0117	24.10	0.281246
1	1	38	2021	1	2	0.1048	4.212	8.0600	5.7548	40.1957	18.50	0.101405
1	1	38	2021	1	3	0.1469	5.905	8.0600	5.7548	40.1957	18.50	0.337320
1	1	38	2021	1	4	0.2660	10.058	8.0600	5.7548	37.8166	14.20	0.103547
1	1	38	2021	1	5	0.2840	10.739	8.0600	5.7548	37.8166	14.20	0.047578
1	1	38	2021	1	6	0.1285	4.853	6.8800	4.9123	37.7707	10.13	0.027524
1	1	38	2021	1	7	0.1232	4.654	6.8800	4.9123	37.7707	9.39	0.000969
1	1	38	2021	1	8	0.1110	4.052	6.8800	4.9123	36.4932	9.35	0.000281
1	1	38	2021	1	9	0.1223	4.464	6.8800	4.9123	36.4931	8.01	0.000959
1	1	38	2021	1	10	0.1218	4.444	6.8800	4.9123	36.4932	8.14	0.001996
1	1	38	2021	1	11	0.1304	4.760	6.8800	4.9123	36.4932	7.45	0.000819

1	1	38	2021	1	12	0.1381	5.039	6.8800	4.9123	36.4932	7.07	0.000002
1	1	38	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2021	1	14	0.0398	1.194	7.2800	5.1979	30.0117	32.40	0.000028
1	1	38	2021	1	15	0.0416	2.006	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2021	1	16	0.0846	3.810	6.6500	4.7481	45.0549	12.96	0.008198
1	1	38	2021	1	17	0.0949	4.484	6.6500	4.7481	47.2522	11.66	0.002544
1	1	38	2021	1	18	0.1146	6.496	6.6500	4.7481	56.6821	10.20	0.002699
1	1	38	2021	1	19	0.1251	7.092	6.6500	4.7481	56.6821	9.88	0.001293
1	1	38	2021	1	20	0.1516	9.816	6.6500	4.7481	64.7605	8.71	0.006032
1	1	38	2021	1	21	0.1873	12.132	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2021	1	22	0.2118	27.577	6.6500	4.7481	130.2221	6.59	0.010278
1	1	38	2021	1	23	0.2378	47.033	6.6500	4.7481	197.8148	6.30	0.036527
1	1	38	2021	1	24	1.7980	15.431	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2021	1	25	0.2146	5.844	6.8800	4.9123	27.2301	6.45	0.000303
1	1	38	2021	1	26	0.1837	17.954	6.6500	4.7481	97.7390	4.36	0.003655
1	1	38	2021	1	27	0.2591	7.056	6.6500	4.7481	27.2301	6.18	0.007008
1	1	38	2021	1	28	0.1041	4.580	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2021	2	1	10.1817	305.571	7.2800	5.3799	30.0117	24.10	0.281246
1	1	38	2021	2	2	8.0038	321.719	8.0600	5.7548	40.1957	18.50	0.101405
1	1	38	2021	2	3	8.5277	342.777	8.0600	5.7548	40.1957	18.50	0.337320
1	1	38	2021	2	4	10.5250	398.020	8.0600	5.7548	37.8166	14.20	0.103547
1	1	38	2021	2	5	10.7842	407.820	8.0600	5.7548	37.8166	14.20	0.047578
1	1	38	2021	2	6	4.5744	172.776	6.8800	4.9123	37.7707	10.13	0.027524
1	1	38	2021	2	7	5.7417	216.869	6.8800	4.9123	37.7707	9.39	0.000969
1	1	38	2021	2	8	5.5883	203.933	6.8800	4.9123	36.4932	9.35	0.000281
1	1	38	2021	2	9	6.5271	238.194	6.8800	4.9123	36.4931	8.01	0.000959
1	1	38	2021	2	10	6.4602	235.754	6.8800	4.9123	36.4932	8.14	0.001996
1	1	38	2021	2	11	7.6772	280.165	6.8800	4.9123	36.4932	7.45	0.000819
1	1	38	2021	2	12	8.1761	298.371	6.8800	4.9123	36.4932	7.07	0.000002
1	1	38	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2021	2	14	0.4886	14.665	7.2800	5.1979	30.0117	32.40	0.000028
1	1	38	2021	2	15	0.2004	9.674	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2021	2	16	0.1051	4.734	6.6500	4.7481	45.0549	12.96	0.008198
1	1	38	2021	2	17	0.1053	4.978	6.6500	4.7481	47.2522	11.66	0.002544
1	1	38	2021	2	18	0.1589	9.004	6.6500	4.7481	56.6821	10.20	0.002699
1	1	38	2021	2	19	0.1724	9.773	6.6500	4.7481	56.6821	9.88	0.001293
1	1	38	2021	2	20	0.1562	10.117	6.6500	4.7481	64.7605	8.71	0.006032
1	1	38	2021	2	21	0.1936	12.540	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2021	2	22	0.2437	31.737	6.6500	4.7481	130.2221	6.59	0.010278
1	1	38	2021	2	23	0.3001	59.366	6.6500	4.7481	197.8148	6.30	0.036527
1	1	38	2021	2	24	9.3414	80.170	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2021	2	25	9.1041	247.906	6.8800	4.9123	27.2301	6.45	0.000303
1	1	38	2021	2	26	0.5022	49.085	6.6500	4.7481	97.7390	4.36	0.003655
1	1	38	2021	2	27	0.3932	10.706	6.6500	4.7481	27.2301	6.18	0.007008
1	1	38	2021	2	28	0.2899	12.748	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2021	3	1	0.1673	5.020	7.2800	5.3799	30.0117	24.10	0.281246
1	1	38	2021	3	2	0.1259	5.060	8.0600	5.7548	40.1957	18.50	0.101405

1	1	38	2021	3	3	0.1784	7.173	8.0600	5.7548	40.1957	18.50	0.337320
1	1	38	2021	3	4	0.3716	14.054	8.0600	5.7548	37.8166	14.20	0.103547
1	1	38	2021	3	5	0.4747	17.953	8.0600	5.7548	37.8166	14.20	0.047578
1	1	38	2021	3	6	0.4715	17.809	6.8800	4.9123	37.7707	10.13	0.027524
1	1	38	2021	3	7	0.5335	20.150	6.8800	4.9123	37.7707	9.39	0.000969
1	1	38	2021	3	8	0.4276	15.604	6.8800	4.9123	36.4932	9.35	0.000281
1	1	38	2021	3	9	0.4957	18.090	6.8800	4.9123	36.4931	8.01	0.000959
1	1	38	2021	3	10	0.4913	17.928	6.8800	4.9123	36.4932	8.14	0.001996
1	1	38	2021	3	11	0.5478	19.992	6.8800	4.9123	36.4932	7.45	0.000819
1	1	38	2021	3	12	0.5828	21.269	6.8800	4.9123	36.4932	7.07	0.000002
1	1	38	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2021	3	14	0.0510	1.532	7.2800	5.1979	30.0117	32.40	0.000028
1	1	38	2021	3	15	0.0363	1.754	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2021	3	16	0.3683	16.592	6.6500	4.7481	45.0549	12.96	0.008198
1	1	38	2021	3	17	0.3491	16.495	6.6500	4.7481	47.2522	11.66	0.002544
1	1	38	2021	3	18	0.5743	32.552	6.6500	4.7481	56.6821	10.20	0.002699
1	1	38	2021	3	19	0.6230	35.313	6.6500	4.7481	56.6821	9.88	0.001293
1	1	38	2021	3	20	0.6325	40.964	6.6500	4.7481	64.7605	8.71	0.006032
1	1	38	2021	3	21	0.7833	50.725	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2021	3	22	0.8339	108.594	6.6500	4.7481	130.2221	6.59	0.010278
1	1	38	2021	3	23	1.0434	206.396	6.6500	4.7481	197.8148	6.30	0.036527
1	1	38	2021	3	24	2.0115	17.263	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2021	3	25	1.3213	35.981	6.8800	4.9123	27.2301	6.45	0.000303
1	1	38	2021	3	26	2.4104	235.593	6.6500	4.7481	97.7390	4.36	0.003655
1	1	38	2021	3	27	2.0013	54.497	6.6500	4.7481	27.2301	6.18	0.007008
1	1	38	2021	3	28	0.0998	4.388	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	39	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655

1	1	39	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2021	1	1	0.1577	4.734	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2021	1	2	0.1045	4.199	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2021	1	3	0.1469	5.903	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2021	1	4	0.2655	10.039	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2021	1	5	0.2833	10.712	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2021	1	6	0.1259	4.754	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2021	1	7	0.1207	4.560	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2021	1	8	0.1089	3.972	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2021	1	9	0.1198	4.373	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2021	1	10	0.1193	4.355	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2021	1	11	0.1278	4.662	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2021	1	12	0.1352	4.933	6.8800	4.9123	36.4932	7.07	0.000002
1	1	39	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2021	1	14	0.0394	1.182	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2021	1	15	0.0410	1.981	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2021	1	16	0.0830	3.742	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2021	1	17	0.0932	4.404	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2021	1	18	0.1126	6.380	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2021	1	19	0.1229	6.965	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2021	1	20	0.1489	9.640	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2021	1	21	0.1840	11.914	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2021	1	22	0.2080	27.082	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2021	1	23	0.2335	46.189	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2021	1	24	1.7863	15.330	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2021	1	25	0.2099	5.714	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2021	1	26	0.1804	17.632	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2021	1	27	0.2545	6.929	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2021	1	28	0.1030	4.529	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2021	2	1	10.2362	307.206	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2021	2	2	8.0552	323.785	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2021	2	3	8.5829	344.994	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2021	2	4	10.5972	400.750	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2021	2	5	10.8575	410.596	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2021	2	6	4.5530	171.969	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2021	2	7	5.7149	215.856	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2021	2	8	5.5621	202.980	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2021	2	9	6.4966	237.081	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2021	2	10	6.4300	234.652	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2021	2	11	7.6413	278.855	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2021	2	12	8.1379	296.976	6.8800	4.9123	36.4932	7.07	0.000002

1	1	39	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2021	2	14	0.4858	14.580	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2021	2	15	0.1990	9.608	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2021	2	16	0.1039	4.682	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2021	2	17	0.1042	4.923	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2021	2	18	0.1571	8.906	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2021	2	19	0.1705	9.666	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2021	2	20	0.1545	10.006	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2021	2	21	0.1915	12.403	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2021	2	22	0.2410	31.389	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2021	2	23	0.2968	58.715	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2021	2	24	9.2309	79.222	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2021	2	25	9.0615	246.747	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2021	2	26	0.4967	48.547	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2021	2	27	0.3889	10.589	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2021	2	28	0.2881	12.667	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2021	3	1	0.1682	5.048	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2021	3	2	0.1267	5.091	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2021	3	3	0.1794	7.211	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2021	3	4	0.3731	14.110	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2021	3	5	0.4760	18.001	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2021	3	6	0.4752	17.947	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2021	3	7	0.5376	20.306	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2021	3	8	0.4309	15.725	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2021	3	9	0.4996	18.231	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2021	3	10	0.4951	18.067	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2021	3	11	0.5521	20.147	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2021	3	12	0.5873	21.434	6.8800	4.9123	36.4932	7.07	0.000002
1	1	39	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2021	3	14	0.0517	1.551	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2021	3	15	0.0368	1.776	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2021	3	16	0.3731	16.810	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2021	3	17	0.3537	16.712	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2021	3	18	0.5818	32.980	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2021	3	19	0.6312	35.776	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2021	3	20	0.6410	41.508	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2021	3	21	0.7937	51.400	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2021	3	22	0.8449	110.024	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2021	3	23	1.0570	209.100	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2021	3	24	2.0192	17.329	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2021	3	25	1.3316	36.260	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2021	3	26	2.4432	238.792	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2021	3	27	2.0285	55.235	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2021	3	28	0.1010	4.443	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	40	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	40	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320

1	1	40	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	40	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	40	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	40	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	40	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	40	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	40	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	40	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	40	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	40	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	40	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	40	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	40	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	40	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	40	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	40	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	40	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	40	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	40	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	40	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	40	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	40	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	40	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	40	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	40	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	40	2021	1	1	0.1572	4.717	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	40	2021	1	2	0.1042	4.188	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	40	2021	1	3	0.1468	5.902	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	40	2021	1	4	0.2650	10.020	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	40	2021	1	5	0.2826	10.686	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	40	2021	1	6	0.1233	4.659	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	40	2021	1	7	0.1183	4.470	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	40	2021	1	8	0.1068	3.897	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	40	2021	1	9	0.1175	4.287	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	40	2021	1	10	0.1170	4.269	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	40	2021	1	11	0.1252	4.569	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	40	2021	1	12	0.1324	4.833	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	40	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	40	2021	1	14	0.0390	1.170	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	40	2021	1	15	0.0405	1.957	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	40	2021	1	16	0.0816	3.677	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	40	2021	1	17	0.0916	4.327	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	40	2021	1	18	0.1106	6.268	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	40	2021	1	19	0.1207	6.844	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	40	2021	1	20	0.1463	9.472	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	40	2021	1	21	0.1808	11.707	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	40	2021	1	22	0.2043	26.610	6.6500	4.7481	130.2221	6.59
0.010278											

1	1	40	2021	1	23	0.2294	45.385	6.6500	4.7481	197.8148	6.30	0.036527
1	1	40	2021	1	24	1.7751	15.234	1.3500	0.9639	8.5822	50.00	0.002374
1	1	40	2021	1	25	0.2053	5.591	6.8800	4.9123	27.2301	6.45	0.000303
1	1	40	2021	1	26	0.1773	17.324	6.6500	4.7481	97.7390	4.36	0.003655
1	1	40	2021	1	27	0.2500	6.808	6.6500	4.7481	27.2301	6.18	0.007008
1	1	40	2021	1	28	0.1019	4.481	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2021	2	1	10.2882	308.765	7.2800	5.3799	30.0117	24.10	0.281246
1	1	40	2021	2	2	8.1042	325.755	8.0600	5.7548	40.1957	18.50	0.101405
1	1	40	2021	2	3	8.6354	347.107	8.0600	5.7548	40.1957	18.50	0.337320
1	1	40	2021	2	4	10.6660	403.353	8.0600	5.7548	37.8166	14.20	0.103547
1	1	40	2021	2	5	10.9275	413.242	8.0600	5.7548	37.8166	14.20	0.047578
1	1	40	2021	2	6	4.5326	171.199	6.8800	4.9123	37.7707	10.13	0.027524
1	1	40	2021	2	7	5.6893	214.889	6.8800	4.9123	37.7707	9.39	0.000969
1	1	40	2021	2	8	5.5372	202.071	6.8800	4.9123	36.4932	9.35	0.000281
1	1	40	2021	2	9	6.4675	236.019	6.8800	4.9123	36.4931	8.01	0.000959
1	1	40	2021	2	10	6.4012	233.601	6.8800	4.9123	36.4932	8.14	0.001996
1	1	40	2021	2	11	7.6071	277.607	6.8800	4.9123	36.4932	7.45	0.000819
1	1	40	2021	2	12	8.1014	295.646	6.8800	4.9123	36.4932	7.07	0.000002
1	1	40	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	40	2021	2	14	0.4831	14.498	7.2800	5.1979	30.0117	32.40	0.000028
1	1	40	2021	2	15	0.1977	9.546	8.0600	5.7548	48.2848	22.10	0.004518
1	1	40	2021	2	16	0.1028	4.632	6.6500	4.7481	45.0549	12.96	0.008198
1	1	40	2021	2	17	0.1031	4.871	6.6500	4.7481	47.2522	11.66	0.002544
1	1	40	2021	2	18	0.1555	8.812	6.6500	4.7481	56.6821	10.20	0.002699
1	1	40	2021	2	19	0.1687	9.564	6.6500	4.7481	56.6821	9.88	0.001293
1	1	40	2021	2	20	0.1529	9.900	6.6500	4.7481	64.7605	8.71	0.006032
1	1	40	2021	2	21	0.1895	12.271	6.6500	4.7481	64.7605	7.53	0.008655
1	1	40	2021	2	22	0.2385	31.057	6.6500	4.7481	130.2221	6.59	0.010278
1	1	40	2021	2	23	0.2937	58.094	6.6500	4.7481	197.8148	6.30	0.036527
1	1	40	2021	2	24	9.1256	78.318	1.3500	0.9639	8.5822	50.00	0.002374
1	1	40	2021	2	25	9.0210	245.642	6.8800	4.9123	27.2301	6.45	0.000303
1	1	40	2021	2	26	0.4914	48.033	6.6500	4.7481	97.7390	4.36	0.003655
1	1	40	2021	2	27	0.3848	10.477	6.6500	4.7481	27.2301	6.18	0.007008
1	1	40	2021	2	28	0.2863	12.591	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2021	3	1	0.1691	5.075	7.2800	5.3799	30.0117	24.10	0.281246
1	1	40	2021	3	2	0.1274	5.120	8.0600	5.7548	40.1957	18.50	0.101405
1	1	40	2021	3	3	0.1803	7.247	8.0600	5.7548	40.1957	18.50	0.337320
1	1	40	2021	3	4	0.3745	14.163	8.0600	5.7548	37.8166	14.20	0.103547
1	1	40	2021	3	5	0.4772	18.048	8.0600	5.7548	37.8166	14.20	0.047578
1	1	40	2021	3	6	0.4786	18.079	6.8800	4.9123	37.7707	10.13	0.027524
1	1	40	2021	3	7	0.5416	20.455	6.8800	4.9123	37.7707	9.39	0.000969
1	1	40	2021	3	8	0.4341	15.841	6.8800	4.9123	36.4932	9.35	0.000281
1	1	40	2021	3	9	0.5032	18.364	6.8800	4.9123	36.4931	8.01	0.000959
1	1	40	2021	3	10	0.4987	18.200	6.8800	4.9123	36.4932	8.14	0.001996
1	1	40	2021	3	11	0.5561	20.295	6.8800	4.9123	36.4932	7.45	0.000819
1	1	40	2021	3	12	0.5917	21.591	6.8800	4.9123	36.4932	7.07	0.000002
1	1	40	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	40	2021	3	14	0.0523	1.569	7.2800	5.1979	30.0117	32.40	0.000028
1	1	40	2021	3	15	0.0372	1.797	8.0600	5.7548	48.2848	22.10	0.004518
1	1	40	2021	3	16	0.3777	17.018	6.6500	4.7481	45.0549	12.96	0.008198
1	1	40	2021	3	17	0.3580	16.918	6.6500	4.7481	47.2522	11.66	0.002544
1	1	40	2021	3	18	0.5890	33.387	6.6500	4.7481	56.6821	10.20	0.002699
1	1	40	2021	3	19	0.6390	36.219	6.6500	4.7481	56.6821	9.88	0.001293
1	1	40	2021	3	20	0.6490	42.028	6.6500	4.7481	64.7605	8.71	0.006032
1	1	40	2021	3	21	0.8036	52.043	6.6500	4.7481	64.7605	7.53	0.008655
1	1	40	2021	3	22	0.8554	111.387	6.6500	4.7481	130.2221	6.59	0.010278
1	1	40	2021	3	23	1.0701	211.678	6.6500	4.7481	197.8148	6.30	0.036527
1	1	40	2021	3	24	2.0266	17.393	1.3500	0.9639	8.5822	50.00	0.002374
1	1	40	2021	3	25	1.3414	36.526	6.8800	4.9123	27.2301	6.45	0.000303
1	1	40	2021	3	26	2.4744	241.843	6.6500	4.7481	97.7390	4.36	0.003655
1	1	40	2021	3	27	2.0543	55.940	6.6500	4.7481	27.2301	6.18	0.007008
1	1	40	2021	3	28	0.1022	4.495	8.0600	5.7548	43.9743	17.00	0.002242
1	1	41	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	41	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	41	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	41	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	41	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	41	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	41	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	41	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	41	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	41	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	41	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	41	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	41	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	41	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	41	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	41	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	41	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	41	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	41	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	41	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	41	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	41	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	41	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	41	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	41	2021	1	1	0.1566	4.701	7.2800	5.3799	30.0117	24.10	0.281246
1	1	41	2021	1	2	0.1039	4.176	8.0600	5.7548	40.1957	18.50	0.101405
1	1	41	2021	1	3	0.1468	5.900	8.0600	5.7548	40.1957	18.50	0.337320
1	1	41	2021	1	4	0.2645	10.003	8.0600	5.7548	37.8166	14.20	0.103547

1	1	41	2021	1	5	0.2819	10.662	8.0600	5.7548	37.8166	14.20	0.047578
1	1	41	2021	1	6	0.1209	4.568	6.8800	4.9123	37.7707	10.13	0.027524
1	1	41	2021	1	7	0.1161	4.384	6.8800	4.9123	37.7707	9.39	0.000969
1	1	41	2021	1	8	0.1048	3.825	6.8800	4.9123	36.4932	9.35	0.000281
1	1	41	2021	1	9	0.1152	4.205	6.8800	4.9123	36.4931	8.01	0.000959
1	1	41	2021	1	10	0.1147	4.187	6.8800	4.9123	36.4932	8.14	0.001996
1	1	41	2021	1	11	0.1227	4.479	6.8800	4.9123	36.4932	7.45	0.000819
1	1	41	2021	1	12	0.1298	4.737	6.8800	4.9123	36.4932	7.07	0.000002
1	1	41	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2021	1	14	0.0386	1.159	7.2800	5.1979	30.0117	32.40	0.000028
1	1	41	2021	1	15	0.0401	1.934	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2021	1	16	0.0802	3.614	6.6500	4.7481	45.0549	12.96	0.008198
1	1	41	2021	1	17	0.0900	4.254	6.6500	4.7481	47.2522	11.66	0.002544
1	1	41	2021	1	18	0.1087	6.162	6.6500	4.7481	56.6821	10.20	0.002699
1	1	41	2021	1	19	0.1187	6.728	6.6500	4.7481	56.6821	9.88	0.001293
1	1	41	2021	1	20	0.1438	9.312	6.6500	4.7481	64.7605	8.71	0.006032
1	1	41	2021	1	21	0.1777	11.508	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2021	1	22	0.2009	26.160	6.6500	4.7481	130.2221	6.59	0.010278
1	1	41	2021	1	23	0.2255	44.617	6.6500	4.7481	197.8148	6.30	0.036527
1	1	41	2021	1	24	1.7644	15.143	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2021	1	25	0.2010	5.473	6.8800	4.9123	27.2301	6.45	0.000303
1	1	41	2021	1	26	0.1743	17.031	6.6500	4.7481	97.7390	4.36	0.003655
1	1	41	2021	1	27	0.2458	6.693	6.6500	4.7481	27.2301	6.18	0.007008
1	1	41	2021	1	28	0.1008	4.435	8.0600	5.7548	43.9743	17.00	0.002242
1	1	41	2021	2	1	10.3378	310.254	7.2800	5.3799	30.0117	24.10	0.281246
1	1	41	2021	2	2	8.1510	327.635	8.0600	5.7548	40.1957	18.50	0.101405
1	1	41	2021	2	3	8.6856	349.124	8.0600	5.7548	40.1957	18.50	0.337320
1	1	41	2021	2	4	10.7317	405.837	8.0600	5.7548	37.8166	14.20	0.103547
1	1	41	2021	2	5	10.9943	415.768	8.0600	5.7548	37.8166	14.20	0.047578
1	1	41	2021	2	6	4.5131	170.464	6.8800	4.9123	37.7707	10.13	0.027524
1	1	41	2021	2	7	5.6649	213.967	6.8800	4.9123	37.7707	9.39	0.000969
1	1	41	2021	2	8	5.5135	201.203	6.8800	4.9123	36.4932	9.35	0.000281
1	1	41	2021	2	9	6.4397	235.006	6.8800	4.9123	36.4931	8.01	0.000959
1	1	41	2021	2	10	6.3738	232.598	6.8800	4.9123	36.4932	8.14	0.001996
1	1	41	2021	2	11	7.5744	276.415	6.8800	4.9123	36.4932	7.45	0.000819
1	1	41	2021	2	12	8.0666	294.377	6.8800	4.9123	36.4932	7.07	0.000002
1	1	41	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2021	2	14	0.4805	14.420	7.2800	5.1979	30.0117	32.40	0.000028
1	1	41	2021	2	15	0.1965	9.486	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2021	2	16	0.1018	4.585	6.6500	4.7481	45.0549	12.96	0.008198
1	1	41	2021	2	17	0.1020	4.822	6.6500	4.7481	47.2522	11.66	0.002544
1	1	41	2021	2	18	0.1539	8.722	6.6500	4.7481	56.6821	10.20	0.002699
1	1	41	2021	2	19	0.1670	9.466	6.6500	4.7481	56.6821	9.88	0.001293
1	1	41	2021	2	20	0.1513	9.799	6.6500	4.7481	64.7605	8.71	0.006032
1	1	41	2021	2	21	0.1876	12.146	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2021	2	22	0.2361	30.740	6.6500	4.7481	130.2221	6.59	0.010278
1	1	41	2021	2	23	0.2907	57.501	6.6500	4.7481	197.8148	6.30	0.036527

1	1	41	2021	2	24	9.0251	77.455	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2021	2	25	8.9822	244.588	6.8800	4.9123	27.2301	6.45	0.000303
1	1	41	2021	2	26	0.4864	47.543	6.6500	4.7481	97.7390	4.36	0.003655
1	1	41	2021	2	27	0.3808	10.370	6.6500	4.7481	27.2301	6.18	0.007008
1	1	41	2021	2	28	0.2847	12.517	8.0600	5.7548	43.9743	17.00	0.002242
1	1	41	2021	3	1	0.1699	5.100	7.2800	5.3799	30.0117	24.10	0.281246
1	1	41	2021	3	2	0.1281	5.148	8.0600	5.7548	40.1957	18.50	0.101405
1	1	41	2021	3	3	0.1812	7.282	8.0600	5.7548	40.1957	18.50	0.337320
1	1	41	2021	3	4	0.3758	14.213	8.0600	5.7548	37.8166	14.20	0.103547
1	1	41	2021	3	5	0.4784	18.092	8.0600	5.7548	37.8166	14.20	0.047578
1	1	41	2021	3	6	0.4820	18.205	6.8800	4.9123	37.7707	10.13	0.027524
1	1	41	2021	3	7	0.5453	20.597	6.8800	4.9123	37.7707	9.39	0.000969
1	1	41	2021	3	8	0.4371	15.951	6.8800	4.9123	36.4932	9.35	0.000281
1	1	41	2021	3	9	0.5067	18.492	6.8800	4.9123	36.4931	8.01	0.000959
1	1	41	2021	3	10	0.5022	18.326	6.8800	4.9123	36.4932	8.14	0.001996
1	1	41	2021	3	11	0.5600	20.436	6.8800	4.9123	36.4932	7.45	0.000819
1	1	41	2021	3	12	0.5958	21.742	6.8800	4.9123	36.4932	7.07	0.000002
1	1	41	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2021	3	14	0.0529	1.586	7.2800	5.1979	30.0117	32.40	0.000028
1	1	41	2021	3	15	0.0376	1.817	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2021	3	16	0.3821	17.216	6.6500	4.7481	45.0549	12.96	0.008198
1	1	41	2021	3	17	0.3622	17.115	6.6500	4.7481	47.2522	11.66	0.002544
1	1	41	2021	3	18	0.5959	33.776	6.6500	4.7481	56.6821	10.20	0.002699
1	1	41	2021	3	19	0.6464	36.641	6.6500	4.7481	56.6821	9.88	0.001293
1	1	41	2021	3	20	0.6566	42.523	6.6500	4.7481	64.7605	8.71	0.006032
1	1	41	2021	3	21	0.8131	52.657	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2021	3	22	0.8654	112.688	6.6500	4.7481	130.2221	6.59	0.010278
1	1	41	2021	3	23	1.0825	214.138	6.6500	4.7481	197.8148	6.30	0.036527
1	1	41	2021	3	24	2.0337	17.453	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2021	3	25	1.3507	36.780	6.8800	4.9123	27.2301	6.45	0.000303
1	1	41	2021	3	26	2.5042	244.755	6.6500	4.7481	97.7390	4.36	0.003655
1	1	41	2021	3	27	2.0790	56.612	6.6500	4.7481	27.2301	6.18	0.007008
1	1	41	2021	3	28	0.1033	4.544	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	42	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	42	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	42	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	42	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	42	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	42	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	42	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	42	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	42	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	42	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	42	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	42	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028

1	1	42	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	42	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	42	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	42	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	42	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	42	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	42	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	42	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	42	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	42	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	42	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	42	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2021	1	1	0.1561	4.685	7.2800	5.3799	30.0117	24.10	0.281246
1	1	42	2021	1	2	0.1036	4.166	8.0600	5.7548	40.1957	18.50	0.101405
1	1	42	2021	1	3	0.1468	5.899	8.0600	5.7548	40.1957	18.50	0.337320
1	1	42	2021	1	4	0.2641	9.986	8.0600	5.7548	37.8166	14.20	0.103547
1	1	42	2021	1	5	0.2813	10.638	8.0600	5.7548	37.8166	14.20	0.047578
1	1	42	2021	1	6	0.1186	4.481	6.8800	4.9123	37.7707	10.13	0.027524
1	1	42	2021	1	7	0.1139	4.302	6.8800	4.9123	37.7707	9.39	0.000969
1	1	42	2021	1	8	0.1029	3.756	6.8800	4.9123	36.4932	9.35	0.000281
1	1	42	2021	1	9	0.1131	4.127	6.8800	4.9123	36.4931	8.01	0.000959
1	1	42	2021	1	10	0.1126	4.109	6.8800	4.9123	36.4932	8.14	0.001996
1	1	42	2021	1	11	0.1204	4.394	6.8800	4.9123	36.4932	7.45	0.000819
1	1	42	2021	1	12	0.1273	4.645	6.8800	4.9123	36.4932	7.07	0.000002
1	1	42	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2021	1	14	0.0382	1.148	7.2800	5.1979	30.0117	32.40	0.000028
1	1	42	2021	1	15	0.0396	1.912	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2021	1	16	0.0789	3.555	6.6500	4.7481	45.0549	12.96	0.008198
1	1	42	2021	1	17	0.0885	4.184	6.6500	4.7481	47.2522	11.66	0.002544
1	1	42	2021	1	18	0.1069	6.061	6.6500	4.7481	56.6821	10.20	0.002699
1	1	42	2021	1	19	0.1167	6.617	6.6500	4.7481	56.6821	9.88	0.001293
1	1	42	2021	1	20	0.1414	9.159	6.6500	4.7481	64.7605	8.71	0.006032
1	1	42	2021	1	21	0.1748	11.319	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2021	1	22	0.1976	25.730	6.6500	4.7481	130.2221	6.59	0.010278
1	1	42	2021	1	23	0.2218	43.883	6.6500	4.7481	197.8148	6.30	0.036527
1	1	42	2021	1	24	1.7543	15.055	1.3500	0.9639	8.5822	50.00	0.002374
1	1	42	2021	1	25	0.1969	5.361	6.8800	4.9123	27.2301	6.45	0.000303
1	1	42	2021	1	26	0.1714	16.751	6.6500	4.7481	97.7390	4.36	0.003655
1	1	42	2021	1	27	0.2418	6.583	6.6500	4.7481	27.2301	6.18	0.007008
1	1	42	2021	1	28	0.0998	4.390	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2021	2	1	10.3851	311.676	7.2800	5.3799	30.0117	24.10	0.281246
1	1	42	2021	2	2	8.1957	329.432	8.0600	5.7548	40.1957	18.50	0.101405
1	1	42	2021	2	3	8.7336	351.052	8.0600	5.7548	40.1957	18.50	0.337320
1	1	42	2021	2	4	10.7945	408.212	8.0600	5.7548	37.8166	14.20	0.103547
1	1	42	2021	2	5	11.0581	418.182	8.0600	5.7548	37.8166	14.20	0.047578

1	1	42	2021	2	6	4.4945	169.762	6.8800	4.9123	37.7707	10.13	0.027524
1	1	42	2021	2	7	5.6415	213.085	6.8800	4.9123	37.7707	9.39	0.000969
1	1	42	2021	2	8	5.4907	200.374	6.8800	4.9123	36.4932	9.35	0.000281
1	1	42	2021	2	9	6.4132	234.037	6.8800	4.9123	36.4931	8.01	0.000959
1	1	42	2021	2	10	6.3475	231.640	6.8800	4.9123	36.4932	8.14	0.001996
1	1	42	2021	2	11	7.5432	275.276	6.8800	4.9123	36.4932	7.45	0.000819
1	1	42	2021	2	12	8.0334	293.164	6.8800	4.9123	36.4932	7.07	0.000002
1	1	42	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2021	2	14	0.4780	14.346	7.2800	5.1979	30.0117	32.40	0.000028
1	1	42	2021	2	15	0.1953	9.428	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2021	2	16	0.1008	4.540	6.6500	4.7481	45.0549	12.96	0.008198
1	1	42	2021	2	17	0.1010	4.774	6.6500	4.7481	47.2522	11.66	0.002544
1	1	42	2021	2	18	0.1524	8.636	6.6500	4.7481	56.6821	10.20	0.002699
1	1	42	2021	2	19	0.1654	9.373	6.6500	4.7481	56.6821	9.88	0.001293
1	1	42	2021	2	20	0.1498	9.703	6.6500	4.7481	64.7605	8.71	0.006032
1	1	42	2021	2	21	0.1857	12.027	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2021	2	22	0.2337	30.437	6.6500	4.7481	130.2221	6.59	0.010278
1	1	42	2021	2	23	0.2878	56.935	6.6500	4.7481	197.8148	6.30	0.036527
1	1	42	2021	2	24	8.9291	76.631	1.3500	0.9639	8.5822	50.00	0.002374
1	1	42	2021	2	25	8.9452	243.580	6.8800	4.9123	27.2301	6.45	0.000303
1	1	42	2021	2	26	0.4816	47.075	6.6500	4.7481	97.7390	4.36	0.003655
1	1	42	2021	2	27	0.3771	10.268	6.6500	4.7481	27.2301	6.18	0.007008
1	1	42	2021	2	28	0.2831	12.447	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2021	3	1	0.1708	5.125	7.2800	5.3799	30.0117	24.10	0.281246
1	1	42	2021	3	2	0.1287	5.175	8.0600	5.7548	40.1957	18.50	0.101405
1	1	42	2021	3	3	0.1820	7.315	8.0600	5.7548	40.1957	18.50	0.337320
1	1	42	2021	3	4	0.3771	14.261	8.0600	5.7548	37.8166	14.20	0.103547
1	1	42	2021	3	5	0.4795	18.134	8.0600	5.7548	37.8166	14.20	0.047578
1	1	42	2021	3	6	0.4852	18.325	6.8800	4.9123	37.7707	10.13	0.027524
1	1	42	2021	3	7	0.5489	20.733	6.8800	4.9123	37.7707	9.39	0.000969
1	1	42	2021	3	8	0.4400	16.056	6.8800	4.9123	36.4932	9.35	0.000281
1	1	42	2021	3	9	0.5101	18.614	6.8800	4.9123	36.4931	8.01	0.000959
1	1	42	2021	3	10	0.5055	18.447	6.8800	4.9123	36.4932	8.14	0.001996
1	1	42	2021	3	11	0.5637	20.571	6.8800	4.9123	36.4932	7.45	0.000819
1	1	42	2021	3	12	0.5997	21.885	6.8800	4.9123	36.4932	7.07	0.000002
1	1	42	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2021	3	14	0.0534	1.603	7.2800	5.1979	30.0117	32.40	0.000028
1	1	42	2021	3	15	0.0380	1.837	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2021	3	16	0.3863	17.405	6.6500	4.7481	45.0549	12.96	0.008198
1	1	42	2021	3	17	0.3662	17.304	6.6500	4.7481	47.2522	11.66	0.002544
1	1	42	2021	3	18	0.6024	34.148	6.6500	4.7481	56.6821	10.20	0.002699
1	1	42	2021	3	19	0.6535	37.044	6.6500	4.7481	56.6821	9.88	0.001293
1	1	42	2021	3	20	0.6639	42.997	6.6500	4.7481	64.7605	8.71	0.006032
1	1	42	2021	3	21	0.8222	53.243	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2021	3	22	0.8749	113.932	6.6500	4.7481	130.2221	6.59	0.010278
1	1	42	2021	3	23	1.0944	216.490	6.6500	4.7481	197.8148	6.30	0.036527
1	1	42	2021	3	24	2.0404	17.511	1.3500	0.9639	8.5822	50.00	0.002374

1	1	42	2021	3	25	1.3596	37.023	6.8800	4.9123	27.2301	6.45	0.000303
1	1	42	2021	3	26	2.5326	247.537	6.6500	4.7481	97.7390	4.36	0.003655
1	1	42	2021	3	27	2.1026	57.254	6.6500	4.7481	27.2301	6.18	0.007008
1	1	42	2021	3	28	0.1044	4.592	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	43	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	43	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	43	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	43	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	43	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	43	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	43	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	43	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	43	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	43	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	43	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	43	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	43	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	43	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	43	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	43	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	43	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	43	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	43	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	43	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	43	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	43	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	43	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2021	1	1	0.1554	4.665	7.2800	5.3799	30.0117	24.10	0.281246
1	1	43	2021	1	2	0.1033	4.151	8.0600	5.7548	40.1957	18.50	0.101405
1	1	43	2021	1	3	0.1467	5.896	8.0600	5.7548	40.1957	18.50	0.337320
1	1	43	2021	1	4	0.2635	9.963	8.0600	5.7548	37.8166	14.20	0.103547
1	1	43	2021	1	5	0.2805	10.607	8.0600	5.7548	37.8166	14.20	0.047578
1	1	43	2021	1	6	0.1166	4.405	6.8800	4.9123	37.7707	10.13	0.027524
1	1	43	2021	1	7	0.1120	4.229	6.8800	4.9123	37.7707	9.39	0.000969
1	1	43	2021	1	8	0.1012	3.694	6.8800	4.9123	36.4932	9.35	0.000281
1	1	43	2021	1	9	0.1112	4.058	6.8800	4.9123	36.4931	8.01	0.000959
1	1	43	2021	1	10	0.1107	4.041	6.8800	4.9123	36.4932	8.14	0.001996
1	1	43	2021	1	11	0.1184	4.320	6.8800	4.9123	36.4932	7.45	0.000819
1	1	43	2021	1	12	0.1251	4.567	6.8800	4.9123	36.4932	7.07	0.000002
1	1	43	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2021	1	14	0.0379	1.139	7.2800	5.1979	30.0117	32.40	0.000028
1	1	43	2021	1	15	0.0392	1.894	8.0600	5.7548	48.2848	22.10	0.004518

1	1	43	2021	1	16	0.0778	3.506	6.6500	4.7481	45.0549	12.96	0.008198
1	1	43	2021	1	17	0.0873	4.126	6.6500	4.7481	47.2522	11.66	0.002544
1	1	43	2021	1	18	0.1054	5.977	6.6500	4.7481	56.6821	10.20	0.002699
1	1	43	2021	1	19	0.1151	6.525	6.6500	4.7481	56.6821	9.88	0.001293
1	1	43	2021	1	20	0.1395	9.032	6.6500	4.7481	64.7605	8.71	0.006032
1	1	43	2021	1	21	0.1724	11.162	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2021	1	22	0.1948	25.373	6.6500	4.7481	130.2221	6.59	0.010278
1	1	43	2021	1	23	0.2188	43.273	6.6500	4.7481	197.8148	6.30	0.036527
1	1	43	2021	1	24	1.7503	15.021	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2021	1	25	0.1933	5.263	6.8800	4.9123	27.2301	6.45	0.000303
1	1	43	2021	1	26	0.1690	16.519	6.6500	4.7481	97.7390	4.36	0.003655
1	1	43	2021	1	27	0.2384	6.491	6.6500	4.7481	27.2301	6.18	0.007008
1	1	43	2021	1	28	0.0990	4.354	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2021	2	1	10.4418	313.376	7.2800	5.3799	30.0117	24.10	0.281246
1	1	43	2021	2	2	8.2491	331.580	8.0600	5.7548	40.1957	18.50	0.101405
1	1	43	2021	2	3	8.7909	353.356	8.0600	5.7548	40.1957	18.50	0.337320
1	1	43	2021	2	4	10.8696	411.051	8.0600	5.7548	37.8166	14.20	0.103547
1	1	43	2021	2	5	11.1345	421.068	8.0600	5.7548	37.8166	14.20	0.047578
1	1	43	2021	2	6	4.5268	170.981	6.8800	4.9123	37.7707	10.13	0.027524
1	1	43	2021	2	7	5.6821	214.615	6.8800	4.9123	37.7707	9.39	0.000969
1	1	43	2021	2	8	5.5302	201.813	6.8800	4.9123	36.4932	9.35	0.000281
1	1	43	2021	2	9	6.4592	235.718	6.8800	4.9123	36.4931	8.01	0.000959
1	1	43	2021	2	10	6.3931	233.303	6.8800	4.9123	36.4932	8.14	0.001996
1	1	43	2021	2	11	7.5974	277.253	6.8800	4.9123	36.4932	7.45	0.000819
1	1	43	2021	2	12	8.0911	295.269	6.8800	4.9123	36.4932	7.07	0.000002
1	1	43	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2021	2	14	0.4776	14.334	7.2800	5.1979	30.0117	32.40	0.000028
1	1	43	2021	2	15	0.1951	9.419	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2021	2	16	0.1006	4.532	6.6500	4.7481	45.0549	12.96	0.008198
1	1	43	2021	2	17	0.1009	4.766	6.6500	4.7481	47.2522	11.66	0.002544
1	1	43	2021	2	18	0.1521	8.621	6.6500	4.7481	56.6821	10.20	0.002699
1	1	43	2021	2	19	0.1651	9.357	6.6500	4.7481	56.6821	9.88	0.001293
1	1	43	2021	2	20	0.1496	9.687	6.6500	4.7481	64.7605	8.71	0.006032
1	1	43	2021	2	21	0.1854	12.006	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2021	2	22	0.2333	30.386	6.6500	4.7481	130.2221	6.59	0.010278
1	1	43	2021	2	23	0.2873	56.840	6.6500	4.7481	197.8148	6.30	0.036527
1	1	43	2021	2	24	8.8821	76.228	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2021	2	25	9.0095	245.329	6.8800	4.9123	27.2301	6.45	0.000303
1	1	43	2021	2	26	0.4808	46.996	6.6500	4.7481	97.7390	4.36	0.003655
1	1	43	2021	2	27	0.3764	10.251	6.6500	4.7481	27.2301	6.18	0.007008
1	1	43	2021	2	28	0.2828	12.436	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2021	3	1	0.1717	5.154	7.2800	5.3799	30.0117	24.10	0.281246
1	1	43	2021	3	2	0.1295	5.207	8.0600	5.7548	40.1957	18.50	0.101405
1	1	43	2021	3	3	0.1830	7.354	8.0600	5.7548	40.1957	18.50	0.337320
1	1	43	2021	3	4	0.3786	14.319	8.0600	5.7548	37.8166	14.20	0.103547
1	1	43	2021	3	5	0.4809	18.184	8.0600	5.7548	37.8166	14.20	0.047578
1	1	43	2021	3	6	0.4890	18.468	6.8800	4.9123	37.7707	10.13	0.027524

1	1	43	2021	3	7	0.5532	20.896	6.8800	4.9123	37.7707	9.39	0.000969
1	1	43	2021	3	8	0.4434	16.182	6.8800	4.9123	36.4932	9.35	0.000281
1	1	43	2021	3	9	0.5141	18.760	6.8800	4.9123	36.4931	8.01	0.000959
1	1	43	2021	3	10	0.5095	18.592	6.8800	4.9123	36.4932	8.14	0.001996
1	1	43	2021	3	11	0.5681	20.732	6.8800	4.9123	36.4932	7.45	0.000819
1	1	43	2021	3	12	0.6044	22.057	6.8800	4.9123	36.4932	7.07	0.000002
1	1	43	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2021	3	14	0.0545	1.636	7.2800	5.1979	30.0117	32.40	0.000028
1	1	43	2021	3	15	0.0389	1.876	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2021	3	16	0.3949	17.792	6.6500	4.7481	45.0549	12.96	0.008198
1	1	43	2021	3	17	0.3743	17.688	6.6500	4.7481	47.2522	11.66	0.002544
1	1	43	2021	3	18	0.6158	34.906	6.6500	4.7481	56.6821	10.20	0.002699
1	1	43	2021	3	19	0.6681	37.867	6.6500	4.7481	56.6821	9.88	0.001293
1	1	43	2021	3	20	0.6789	43.963	6.6500	4.7481	64.7605	8.71	0.006032
1	1	43	2021	3	21	0.8406	54.440	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2021	3	22	0.8944	116.468	6.6500	4.7481	130.2221	6.59	0.010278
1	1	43	2021	3	23	1.1186	221.284	6.6500	4.7481	197.8148	6.30	0.036527
1	1	43	2021	3	24	2.0656	17.728	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2021	3	25	1.3703	37.313	6.8800	4.9123	27.2301	6.45	0.000303
1	1	43	2021	3	26	2.5907	253.212	6.6500	4.7481	97.7390	4.36	0.003655
1	1	43	2021	3	27	2.1507	58.564	6.6500	4.7481	27.2301	6.18	0.007008
1	1	43	2021	3	28	0.1066	4.689	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	44	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303

1	1	44	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2021	1	1	0.1548	4.645	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2021	1	2	0.1029	4.137	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2021	1	3	0.1466	5.892	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2021	1	4	0.2629	9.942	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2021	1	5	0.2797	10.578	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2021	1	6	0.1147	4.332	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2021	1	7	0.1101	4.159	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2021	1	8	0.0996	3.635	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2021	1	9	0.1094	3.993	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2021	1	10	0.1090	3.976	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2021	1	11	0.1165	4.250	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2021	1	12	0.1231	4.492	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2021	1	14	0.0377	1.130	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2021	1	15	0.0389	1.877	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2021	1	16	0.0768	3.458	6.6500	4.7481	45.0549	12.96	0.008198
1	1	44	2021	1	17	0.0861	4.070	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2021	1	18	0.1040	5.896	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2021	1	19	0.1136	6.437	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2021	1	20	0.1376	8.910	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2021	1	21	0.1700	11.012	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2021	1	22	0.1922	25.030	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2021	1	23	0.2158	42.690	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2021	1	24	1.7464	14.988	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2021	1	25	0.1898	5.169	6.8800	4.9123	27.2301	6.45	0.000303
1	1	44	2021	1	26	0.1667	16.296	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2021	1	27	0.2352	6.404	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2021	1	28	0.0982	4.319	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2021	2	1	10.4961	315.005	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2021	2	2	8.3003	333.636	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2021	2	3	8.8458	355.563	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2021	2	4	10.9414	413.768	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2021	2	5	11.2075	423.831	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2021	2	6	4.5577	172.148	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2021	2	7	5.7208	216.080	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2021	2	8	5.5679	203.191	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2021	2	9	6.5033	237.327	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2021	2	10	6.4367	234.896	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2021	2	11	7.6493	279.145	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2021	2	12	8.1463	297.285	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2021	2	14	0.4772	14.322	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2021	2	15	0.1949	9.409	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2021	2	16	0.1004	4.525	6.6500	4.7481	45.0549	12.96	0.008198

1	1	44	2021	2	17	0.1007	4.758	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2021	2	18	0.1519	8.607	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2021	2	19	0.1648	9.342	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2021	2	20	0.1493	9.671	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2021	2	21	0.1851	11.987	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2021	2	22	0.2330	30.337	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2021	2	23	0.2869	56.748	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2021	2	24	8.8371	75.842	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2021	2	25	9.0710	247.004	6.8800	4.9123	27.2301	6.45	0.000303
1	1	44	2021	2	26	0.4801	46.921	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2021	2	27	0.3758	10.234	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2021	2	28	0.2825	12.424	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2021	3	1	0.1727	5.182	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2021	3	2	0.1303	5.237	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2021	3	3	0.1839	7.392	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2021	3	4	0.3801	14.374	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2021	3	5	0.4821	18.233	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2021	3	6	0.4926	18.606	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2021	3	7	0.5574	21.052	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2021	3	8	0.4467	16.303	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2021	3	9	0.5179	18.900	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2021	3	10	0.5133	18.730	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2021	3	11	0.5723	20.886	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2021	3	12	0.6089	22.221	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2021	3	14	0.0556	1.668	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2021	3	15	0.0396	1.914	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2021	3	16	0.4031	18.162	6.6500	4.7481	45.0549	12.96	0.008198
1	1	44	2021	3	17	0.3821	18.056	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2021	3	18	0.6286	35.632	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2021	3	19	0.6819	38.654	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2021	3	20	0.6931	44.888	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2021	3	21	0.8583	55.585	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2021	3	22	0.9130	118.896	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2021	3	23	1.1419	225.875	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2021	3	24	2.0898	17.935	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2021	3	25	1.3805	37.591	6.8800	4.9123	27.2301	6.45	0.000303
1	1	44	2021	3	26	2.6463	258.645	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2021	3	27	2.1968	59.819	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2021	3	28	0.1087	4.782	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969

1	1	45	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	45	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	45	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2021	1	1	0.1542	4.627	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2021	1	2	0.1026	4.124	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2021	1	3	0.1465	5.889	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2021	1	4	0.2623	9.921	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2021	1	5	0.2790	10.550	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2021	1	6	0.1128	4.261	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2021	1	7	0.1083	4.092	6.8800	4.9123	37.7707	9.39	0.000969
1	1	45	2021	1	8	0.0981	3.579	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2021	1	9	0.1077	3.930	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2021	1	10	0.1072	3.914	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2021	1	11	0.1146	4.183	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2021	1	12	0.1211	4.420	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2021	1	14	0.0374	1.122	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2021	1	15	0.0385	1.860	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2021	1	16	0.0758	3.413	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2021	1	17	0.0850	4.017	6.6500	4.7481	47.2522	11.66	0.002544
1	1	45	2021	1	18	0.1027	5.819	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2021	1	19	0.1121	6.353	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2021	1	20	0.1358	8.793	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2021	1	21	0.1678	10.867	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2021	1	22	0.1897	24.703	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2021	1	23	0.2130	42.131	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2021	1	24	1.7428	14.957	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2021	1	25	0.1865	5.080	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2021	1	26	0.1645	16.082	6.6500	4.7481	97.7390	4.36	0.003655

1	1	45	2021	1	27	0.2321	6.320	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2021	1	28	0.0974	4.285	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2021	2	1	10.5480	316.565	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2021	2	2	8.3493	335.607	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2021	2	3	8.8984	357.678	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2021	2	4	11.0103	416.373	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2021	2	5	11.2775	426.479	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2021	2	6	4.5873	173.266	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2021	2	7	5.7580	217.484	6.8800	4.9123	37.7707	9.39	0.000969
1	1	45	2021	2	8	5.6041	204.511	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2021	2	9	6.5456	238.869	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2021	2	10	6.4785	236.422	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2021	2	11	7.6990	280.959	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2021	2	12	8.1993	299.217	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2021	2	14	0.4768	14.310	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2021	2	15	0.1947	9.400	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2021	2	16	0.1003	4.518	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2021	2	17	0.1005	4.751	6.6500	4.7481	47.2522	11.66	0.002544
1	1	45	2021	2	18	0.1516	8.594	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2021	2	19	0.1646	9.328	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2021	2	20	0.1491	9.656	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2021	2	21	0.1848	11.969	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2021	2	22	0.2326	30.291	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2021	2	23	0.2864	56.661	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2021	2	24	8.7940	75.472	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2021	2	25	9.1299	248.609	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2021	2	26	0.4793	46.848	6.6500	4.7481	97.7390	4.36	0.003655
1	1	45	2021	2	27	0.3753	10.218	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2021	2	28	0.2823	12.413	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2021	3	1	0.1735	5.208	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2021	3	2	0.1310	5.267	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2021	3	3	0.1848	7.429	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2021	3	4	0.3815	14.427	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2021	3	5	0.4834	18.279	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2021	3	6	0.4961	18.738	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2021	3	7	0.5613	21.201	6.8800	4.9123	37.7707	9.39	0.000969
1	1	45	2021	3	8	0.4499	16.418	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2021	3	9	0.5216	19.034	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2021	3	10	0.5169	18.863	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2021	3	11	0.5764	21.034	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2021	3	12	0.6132	22.378	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2021	3	14	0.0566	1.699	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2021	3	15	0.0404	1.950	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2021	3	16	0.4110	18.516	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2021	3	17	0.3896	18.408	6.6500	4.7481	47.2522	11.66	0.002544

1	1	45	2021	3	18	0.6409	36.328	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2021	3	19	0.6953	39.409	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2021	3	20	0.7068	45.775	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2021	3	21	0.8753	56.683	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2021	3	22	0.9309	121.223	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2021	3	23	1.1641	230.275	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2021	3	24	2.1129	18.133	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2021	3	25	1.3903	37.857	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2021	3	26	2.6995	263.851	6.6500	4.7481	97.7390	4.36	0.003655
1	1	45	2021	3	27	2.2409	61.021	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2021	3	28	0.1108	4.870	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	46	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	46	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2021	1	1	0.1536	4.609	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2021	1	2	0.1023	4.111	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2021	1	3	0.1464	5.886	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2021	1	4	0.2618	9.901	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2021	1	5	0.2783	10.523	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2021	1	6	0.1110	4.194	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2021	1	7	0.1066	4.028	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2021	1	8	0.0966	3.525	6.8800	4.9123	36.4932	9.35	0.000281

1	1	46	2021	1	9	0.1060	3.870	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2021	1	10	0.1056	3.854	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2021	1	11	0.1128	4.118	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2021	1	12	0.1192	4.351	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2021	1	14	0.0371	1.114	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2021	1	15	0.0382	1.844	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2021	1	16	0.0748	3.370	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2021	1	17	0.0839	3.966	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2021	1	18	0.1014	5.745	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2021	1	19	0.1107	6.272	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2021	1	20	0.1341	8.681	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2021	1	21	0.1657	10.729	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2021	1	22	0.1873	24.388	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2021	1	23	0.2103	41.595	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2021	1	24	1.7393	14.927	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2021	1	25	0.1834	4.994	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2021	1	26	0.1625	15.878	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2021	1	27	0.2291	6.240	6.6500	4.7481	27.2301	6.18	0.007008
1	1	46	2021	1	28	0.0967	4.253	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2021	2	1	10.5979	318.062	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2021	2	2	8.3964	337.498	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2021	2	3	8.9489	359.706	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2021	2	4	11.0764	418.871	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2021	2	5	11.3447	429.019	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2021	2	6	4.6157	174.339	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2021	2	7	5.7937	218.831	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2021	2	8	5.6388	205.778	6.8800	4.9123	36.4932	9.35	0.000281
1	1	46	2021	2	9	6.5861	240.349	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2021	2	10	6.5187	237.886	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2021	2	11	7.7466	282.699	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2021	2	12	8.2500	301.070	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2021	2	14	0.4764	14.299	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2021	2	15	0.1945	9.392	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2021	2	16	0.1001	4.511	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2021	2	17	0.1004	4.744	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2021	2	18	0.1514	8.581	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2021	2	19	0.1643	9.314	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2021	2	20	0.1489	9.642	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2021	2	21	0.1845	11.951	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2021	2	22	0.2323	30.246	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2021	2	23	0.2860	56.577	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2021	2	24	8.7527	75.117	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2021	2	25	9.1865	250.148	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2021	2	26	0.4786	46.779	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2021	2	27	0.3747	10.203	6.6500	4.7481	27.2301	6.18	0.007008

1	1	46	2021	2	28	0.2821	12.403	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2021	3	1	0.1744	5.234	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2021	3	2	0.1317	5.295	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2021	3	3	0.1857	7.464	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2021	3	4	0.3828	14.478	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2021	3	5	0.4845	18.323	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2021	3	6	0.4994	18.864	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2021	3	7	0.5651	21.344	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2021	3	8	0.4529	16.529	6.8800	4.9123	36.4932	9.35	0.000281
1	1	46	2021	3	9	0.5251	19.162	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2021	3	10	0.5204	18.990	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2021	3	11	0.5803	21.176	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2021	3	12	0.6174	22.529	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2021	3	14	0.0576	1.729	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2021	3	15	0.0411	1.985	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2021	3	16	0.4185	18.857	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2021	3	17	0.3967	18.746	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2021	3	18	0.6527	36.995	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2021	3	19	0.7080	40.133	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2021	3	20	0.7200	46.625	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2021	3	21	0.8915	57.736	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2021	3	22	0.9480	123.455	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2021	3	23	1.1854	234.495	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2021	3	24	2.1351	18.324	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2021	3	25	1.3997	38.113	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2021	3	26	2.7506	268.845	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2021	3	27	2.2833	62.174	6.6500	4.7481	27.2301	6.18	0.007008
1	1	46	2021	3	28	0.1127	4.956	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	47	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699

1	1	47	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2021	1	1	0.1530	4.591	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2021	1	2	0.1020	4.099	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2021	1	3	0.1464	5.883	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2021	1	4	0.2613	9.882	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2021	1	5	0.2776	10.497	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2021	1	6	0.1093	4.129	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2021	1	7	0.1050	3.966	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2021	1	8	0.0952	3.473	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2021	1	9	0.1045	3.812	6.8800	4.9123	36.4931	8.01	0.000959
1	1	47	2021	1	10	0.1040	3.796	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2021	1	11	0.1111	4.056	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2021	1	12	0.1174	4.285	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2021	1	14	0.0369	1.107	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2021	1	15	0.0379	1.828	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2021	1	16	0.0739	3.328	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2021	1	17	0.0829	3.917	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2021	1	18	0.1001	5.674	6.6500	4.7481	56.6821	10.20	0.002699
1	1	47	2021	1	19	0.1093	6.195	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2021	1	20	0.1324	8.574	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2021	1	21	0.1636	10.596	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2021	1	22	0.1850	24.086	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2021	1	23	0.2077	41.080	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2021	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2021	1	25	0.1804	4.911	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2021	1	26	0.1604	15.681	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2021	1	27	0.2263	6.162	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2021	1	28	0.0960	4.222	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2021	2	1	10.6458	319.499	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2021	2	2	8.4415	339.313	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2021	2	3	8.9973	361.653	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2021	2	4	11.1398	421.270	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2021	2	5	11.4092	431.457	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2021	2	6	4.6430	175.369	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2021	2	7	5.8279	220.124	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2021	2	8	5.6721	206.994	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2021	2	9	6.6250	241.769	6.8800	4.9123	36.4931	8.01	0.000959

1	1	47	2021	2	10	6.5572	239.292	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2021	2	11	7.7924	284.369	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2021	2	12	8.2988	302.848	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2021	2	14	0.4761	14.288	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2021	2	15	0.1943	9.384	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2021	2	16	0.1000	4.505	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2021	2	17	0.1003	4.737	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2021	2	18	0.1512	8.569	6.6500	4.7481	56.6821	10.20	0.002699
1	1	47	2021	2	19	0.1641	9.301	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2021	2	20	0.1487	9.628	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2021	2	21	0.1843	11.934	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2021	2	22	0.2319	30.203	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2021	2	23	0.2856	56.496	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2021	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2021	2	25	9.2407	251.626	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2021	2	26	0.4779	46.712	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2021	2	27	0.3742	10.189	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2021	2	28	0.2818	12.393	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2021	3	1	0.1752	5.259	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2021	3	2	0.1324	5.322	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2021	3	3	0.1865	7.497	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2021	3	4	0.3841	14.527	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2021	3	5	0.4857	18.366	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2021	3	6	0.5027	18.986	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2021	3	7	0.5687	21.481	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2021	3	8	0.4559	16.635	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2021	3	9	0.5285	19.286	6.8800	4.9123	36.4931	8.01	0.000959
1	1	47	2021	3	10	0.5237	19.112	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2021	3	11	0.5840	21.313	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2021	3	12	0.6213	22.674	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2021	3	14	0.0586	1.757	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2021	3	15	0.0418	2.019	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2021	3	16	0.4258	19.183	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2021	3	17	0.4036	19.071	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2021	3	18	0.6640	37.636	6.6500	4.7481	56.6821	10.20	0.002699
1	1	47	2021	3	19	0.7203	40.828	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2021	3	20	0.7326	47.441	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2021	3	21	0.9071	58.747	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2021	3	22	0.9645	125.597	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2021	3	23	1.2059	238.546	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2021	3	24	2.1564	18.507	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2021	3	25	1.4087	38.358	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2021	3	26	2.7997	273.640	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2021	3	27	2.3239	63.281	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2021	3	28	0.1146	5.037	8.0600	5.7548	43.9743	17.00	0.002242

1	1	48	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	48	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	48	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2021	1	1	0.1522	4.569	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2021	1	2	0.1016	4.083	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2021	1	3	0.1463	5.879	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2021	1	4	0.2607	9.857	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2021	1	5	0.2767	10.464	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2021	1	6	0.1079	4.074	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2021	1	7	0.1036	3.912	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2021	1	8	0.0939	3.428	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2021	1	9	0.1031	3.763	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2021	1	10	0.1027	3.748	6.8800	4.9123	36.4932	8.14	0.001996
1	1	48	2021	1	11	0.1097	4.005	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2021	1	12	0.1160	4.231	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2021	1	14	0.0367	1.101	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2021	1	15	0.0376	1.817	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2021	1	16	0.0732	3.297	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2021	1	17	0.0821	3.880	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2021	1	18	0.0992	5.621	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2021	1	19	0.1083	6.137	6.6500	4.7481	56.6821	9.88	0.001293

1	1	48	2021	1	20	0.1312	8.494	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2021	1	21	0.1621	10.498	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2021	1	22	0.1832	23.863	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2021	1	23	0.2057	40.699	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2021	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2021	1	25	0.1778	4.842	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2021	1	26	0.1590	15.536	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2021	1	27	0.2242	6.105	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2021	1	28	0.0955	4.199	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2021	2	1	10.7020	321.186	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2021	2	2	8.4945	341.444	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2021	2	3	9.0542	363.940	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2021	2	4	11.2143	424.086	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2021	2	5	11.4849	434.321	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2021	2	6	4.7346	178.828	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2021	2	7	5.9429	224.466	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2021	2	8	5.7840	211.076	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2021	2	9	6.7557	246.537	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2021	2	10	6.6865	244.012	6.8800	4.9123	36.4932	8.14	0.001996
1	1	48	2021	2	11	7.9461	289.978	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2021	2	12	8.4624	308.821	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2021	2	14	0.4781	14.350	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2021	2	15	0.1953	9.431	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2021	2	16	0.1008	4.542	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2021	2	17	0.1011	4.777	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2021	2	18	0.1524	8.640	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2021	2	19	0.1654	9.378	6.6500	4.7481	56.6821	9.88	0.001293
1	1	48	2021	2	20	0.1499	9.708	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2021	2	21	0.1858	12.033	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2021	2	22	0.2339	30.453	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2021	2	23	0.2880	56.965	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2021	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2021	2	25	9.4230	256.589	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2021	2	26	0.4819	47.100	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2021	2	27	0.3773	10.273	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2021	2	28	0.2831	12.451	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2021	3	1	0.1762	5.288	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2021	3	2	0.1332	5.354	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2021	3	3	0.1875	7.537	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2021	3	4	0.3857	14.587	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2021	3	5	0.4871	18.422	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2021	3	6	0.5064	19.128	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2021	3	7	0.5730	21.642	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2021	3	8	0.4593	16.760	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2021	3	9	0.5324	19.430	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2021	3	10	0.5277	19.256	6.8800	4.9123	36.4932	8.14	0.001996

1	1	48	2021	3	11	0.5884	21.473	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2021	3	12	0.6260	22.845	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2021	3	14	0.0603	1.808	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2021	3	15	0.0431	2.079	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2021	3	16	0.4388	19.770	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2021	3	17	0.4160	19.655	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2021	3	18	0.6843	38.788	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2021	3	19	0.7423	42.078	6.6500	4.7481	56.6821	9.88	0.001293
1	1	48	2021	3	20	0.7552	48.910	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2021	3	21	0.9352	60.565	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2021	3	22	0.9941	129.452	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2021	3	23	1.2427	245.834	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2021	3	24	2.2046	18.920	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2021	3	25	1.4192	38.646	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2021	3	26	2.8879	282.264	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2021	3	27	2.3970	65.272	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2021	3	28	0.1179	5.185	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	49	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	49	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2021	1	1	0.1515	4.548	7.2800	5.3799	30.0117	24.10	0.281246

1	1	49	2021	1	2	0.1012	4.068	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2021	1	3	0.1461	5.874	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2021	1	4	0.2600	9.834	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2021	1	5	0.2759	10.433	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2021	1	6	0.1065	4.021	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2021	1	7	0.1022	3.861	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2021	1	8	0.0927	3.385	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2021	1	9	0.1018	3.717	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2021	1	10	0.1014	3.701	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2021	1	11	0.1084	3.956	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2021	1	12	0.1145	4.180	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2021	1	14	0.0365	1.095	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2021	1	15	0.0374	1.806	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2021	1	16	0.0725	3.267	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2021	1	17	0.0814	3.845	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2021	1	18	0.0983	5.571	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2021	1	19	0.1073	6.082	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2021	1	20	0.1300	8.418	6.6500	4.7481	64.7605	8.71	0.006032
1	1	49	2021	1	21	0.1606	10.403	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2021	1	22	0.1816	23.648	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2021	1	23	0.2039	40.332	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2021	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2021	1	25	0.1754	4.776	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2021	1	26	0.1575	15.396	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2021	1	27	0.2222	6.050	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2021	1	28	0.0950	4.177	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2021	2	1	10.7561	322.808	7.2800	5.3799	30.0117	24.10	0.281246
1	1	49	2021	2	2	8.5455	343.493	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2021	2	3	9.1089	366.139	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2021	2	4	11.2859	426.795	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2021	2	5	11.5577	437.074	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2021	2	6	4.8226	182.154	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2021	2	7	6.0534	228.640	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2021	2	8	5.8916	215.002	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2021	2	9	6.8813	251.122	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2021	2	10	6.8109	248.549	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2021	2	11	8.0939	295.371	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2021	2	12	8.6198	314.565	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2021	2	14	0.4801	14.409	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2021	2	15	0.1963	9.477	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2021	2	16	0.1016	4.578	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2021	2	17	0.1019	4.814	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2021	2	18	0.1536	8.709	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2021	2	19	0.1668	9.452	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2021	2	20	0.1511	9.785	6.6500	4.7481	64.7605	8.71	0.006032

1	1	49	2021	2	21	0.1873	12.128	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2021	2	22	0.2357	30.694	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2021	2	23	0.2902	57.415	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2021	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2021	2	25	9.5982	261.361	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2021	2	26	0.4857	47.472	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2021	2	27	0.3803	10.354	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2021	2	28	0.2844	12.507	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2021	3	1	0.1771	5.316	7.2800	5.3799	30.0117	24.10	0.281246
1	1	49	2021	3	2	0.1340	5.385	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2021	3	3	0.1885	7.576	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2021	3	4	0.3873	14.645	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2021	3	5	0.4886	18.476	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2021	3	6	0.5101	19.265	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2021	3	7	0.5771	21.798	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2021	3	8	0.4626	16.880	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2021	3	9	0.5363	19.570	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2021	3	10	0.5314	19.394	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2021	3	11	0.5926	21.627	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2021	3	12	0.6305	23.008	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2021	3	14	0.0619	1.857	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2021	3	15	0.0442	2.136	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2021	3	16	0.4513	20.335	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2021	3	17	0.4278	20.216	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2021	3	18	0.7039	39.896	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2021	3	19	0.7636	43.280	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2021	3	20	0.7770	50.322	6.6500	4.7481	64.7605	8.71	0.006032
1	1	49	2021	3	21	0.9622	62.314	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2021	3	22	1.0225	133.158	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2021	3	23	1.2782	252.841	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2021	3	24	2.2510	19.318	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2021	3	25	1.4294	38.923	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2021	3	26	2.9728	290.557	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2021	3	27	2.4674	67.186	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2021	3	28	0.1211	5.326	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	50	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819

1	1	50	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2021	1	1	0.1508	4.527	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2021	1	2	0.1008	4.053	8.0600	5.7548	40.1957	18.50	0.101405
1	1	50	2021	1	3	0.1460	5.869	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2021	1	4	0.2594	9.811	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2021	1	5	0.2751	10.403	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2021	1	6	0.1051	3.970	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2021	1	7	0.1009	3.811	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2021	1	8	0.0916	3.343	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2021	1	9	0.1006	3.672	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2021	1	10	0.1002	3.657	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2021	1	11	0.1071	3.908	6.8800	4.9123	36.4932	7.45	0.000819
1	1	50	2021	1	12	0.1132	4.131	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2021	1	14	0.0363	1.090	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2021	1	15	0.0372	1.796	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2021	1	16	0.0719	3.239	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2021	1	17	0.0807	3.812	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2021	1	18	0.0974	5.522	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2021	1	19	0.1064	6.029	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2021	1	20	0.1288	8.344	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2021	1	21	0.1592	10.312	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2021	1	22	0.1800	23.441	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2021	1	23	0.2021	39.979	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2021	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2021	1	25	0.1731	4.713	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2021	1	26	0.1561	15.261	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2021	1	27	0.2202	5.997	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2021	1	28	0.0945	4.156	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2021	2	1	10.8081	324.369	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2021	2	2	8.5946	345.465	8.0600	5.7548	40.1957	18.50	0.101405

1	1	50	2021	2	3	9.1615	368.254	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2021	2	4	11.3548	429.401	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2021	2	5	11.6278	439.723	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2021	2	6	4.9074	185.354	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2021	2	7	6.1597	232.657	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2021	2	8	5.9951	218.779	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2021	2	9	7.0022	255.534	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2021	2	10	6.9305	252.916	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2021	2	11	8.2361	300.560	6.8800	4.9123	36.4932	7.45	0.000819
1	1	50	2021	2	12	8.7713	320.091	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2021	2	14	0.4820	14.466	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2021	2	15	0.1972	9.521	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2021	2	16	0.1024	4.613	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2021	2	17	0.1027	4.851	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2021	2	18	0.1548	8.774	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2021	2	19	0.1680	9.523	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2021	2	20	0.1522	9.859	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2021	2	21	0.1887	12.220	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2021	2	22	0.2375	30.926	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2021	2	23	0.2924	57.849	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2021	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2021	2	25	9.7669	265.953	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2021	2	26	0.4894	47.831	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2021	2	27	0.3831	10.433	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2021	2	28	0.2856	12.560	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2021	3	1	0.1781	5.344	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2021	3	2	0.1347	5.415	8.0600	5.7548	40.1957	18.50	0.101405
1	1	50	2021	3	3	0.1894	7.613	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2021	3	4	0.3887	14.700	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2021	3	5	0.4900	18.529	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2021	3	6	0.5136	19.397	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2021	3	7	0.5811	21.947	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2021	3	8	0.4657	16.996	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2021	3	9	0.5399	19.704	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2021	3	10	0.5351	19.527	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2021	3	11	0.5967	21.775	6.8800	4.9123	36.4932	7.45	0.000819
1	1	50	2021	3	12	0.6348	23.166	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2021	3	14	0.0635	1.905	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2021	3	15	0.0454	2.192	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2021	3	16	0.4634	20.879	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2021	3	17	0.4393	20.757	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2021	3	18	0.7227	40.963	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2021	3	19	0.7840	44.436	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2021	3	20	0.7980	51.680	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2021	3	21	0.9882	63.996	6.6500	4.7481	64.7605	7.53	0.008655

1	1	50	2021	3	22	1.0499	136.724	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2021	3	23	1.3123	259.584	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2021	3	24	2.2956	19.701	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2021	3	25	1.4392	39.189	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2021	3	26	3.0544	298.537	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2021	3	27	2.5350	69.029	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2021	3	28	0.1242	5.462	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	51	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	51	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2021	1	1	0.1502	4.507	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2021	1	2	0.1005	4.039	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2021	1	3	0.1459	5.865	8.0600	5.7548	40.1957	18.50	0.337320
1	1	51	2021	1	4	0.2588	9.789	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2021	1	5	0.2743	10.373	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2021	1	6	0.1038	3.920	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2021	1	7	0.0996	3.763	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2021	1	8	0.0905	3.303	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2021	1	9	0.0994	3.629	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2021	1	10	0.0990	3.613	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2021	1	11	0.1059	3.863	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2021	1	12	0.1119	4.083	6.8800	4.9123	36.4932	7.07	0.000002

1	1	51	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2021	1	14	0.0362	1.085	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2021	1	15	0.0370	1.785	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2021	1	16	0.0713	3.211	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2021	1	17	0.0800	3.779	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2021	1	18	0.0966	5.475	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2021	1	19	0.1055	5.977	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2021	1	20	0.1277	8.273	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2021	1	21	0.1579	10.225	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2021	1	22	0.1785	23.242	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2021	1	23	0.2004	39.639	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2021	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2021	1	25	0.1708	4.651	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2021	1	26	0.1548	15.131	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2021	1	27	0.2184	5.946	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2021	1	28	0.0940	4.136	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2021	2	1	10.8582	325.872	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2021	2	2	8.6418	347.364	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2021	2	3	9.2122	370.292	8.0600	5.7548	40.1957	18.50	0.337320
1	1	51	2021	2	4	11.4212	431.910	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2021	2	5	11.6952	442.274	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2021	2	6	4.9889	188.436	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2021	2	7	6.2621	236.525	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2021	2	8	6.0947	222.416	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2021	2	9	7.1187	259.782	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2021	2	10	7.0457	257.121	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2021	2	11	8.3730	305.557	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2021	2	12	8.9171	325.413	6.8800	4.9123	36.4932	7.07	0.000002
1	1	51	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2021	2	14	0.4838	14.521	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2021	2	15	0.1981	9.563	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2021	2	16	0.1031	4.646	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2021	2	17	0.1034	4.886	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2021	2	18	0.1559	8.838	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2021	2	19	0.1692	9.592	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2021	2	20	0.1533	9.930	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2021	2	21	0.1901	12.308	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2021	2	22	0.2392	31.149	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2021	2	23	0.2946	58.267	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2021	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2021	2	25	9.9292	270.375	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2021	2	26	0.4929	48.176	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2021	2	27	0.3859	10.508	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2021	2	28	0.2868	12.612	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2021	3	1	0.1789	5.370	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2021	3	2	0.1354	5.444	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2021	3	3	0.1903	7.649	8.0600	5.7548	40.1957	18.50	0.337320

1	1	51	2021	3	4	0.3901	14.754	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2021	3	5	0.4913	18.579	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2021	3	6	0.5169	19.524	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2021	3	7	0.5849	22.090	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2021	3	8	0.4688	17.107	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2021	3	9	0.5435	19.833	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2021	3	10	0.5386	19.654	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2021	3	11	0.6006	21.917	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2021	3	12	0.6390	23.318	6.8800	4.9123	36.4932	7.07	0.000002
1	1	51	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2021	3	14	0.0650	1.950	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2021	3	15	0.0465	2.246	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2021	3	16	0.4750	21.402	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2021	3	17	0.4503	21.277	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2021	3	18	0.7408	41.989	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2021	3	19	0.8036	45.550	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2021	3	20	0.8182	52.989	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2021	3	21	1.0132	65.616	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2021	3	22	1.0763	140.158	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2021	3	23	1.3451	266.077	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2021	3	24	2.3385	20.069	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2021	3	25	1.4486	39.446	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2021	3	26	3.1331	306.222	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2021	3	27	2.6002	70.803	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2021	3	28	0.1272	5.593	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	52	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	52	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	52	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	52	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	52	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	52	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	52	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	52	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	52	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	52	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	52	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	52	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	52	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	52	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	52	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	52	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	52	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	52	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	52	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278

1	1	52	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	52	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	52	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	52	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	52	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2021	1	1	0.1495	4.488	7.2800	5.3799	30.0117	24.10	0.281246
1	1	52	2021	1	2	0.1001	4.025	8.0600	5.7548	40.1957	18.50	0.101405
1	1	52	2021	1	3	0.1458	5.861	8.0600	5.7548	40.1957	18.50	0.337320
1	1	52	2021	1	4	0.2583	9.767	8.0600	5.7548	37.8166	14.20	0.103547
1	1	52	2021	1	5	0.2736	10.345	8.0600	5.7548	37.8166	14.20	0.047578
1	1	52	2021	1	6	0.1025	3.873	6.8800	4.9123	37.7707	10.13	0.027524
1	1	52	2021	1	7	0.0984	3.717	6.8800	4.9123	37.7707	9.39	0.000969
1	1	52	2021	1	8	0.0895	3.264	6.8800	4.9123	36.4932	9.35	0.000281
1	1	52	2021	1	9	0.0983	3.587	6.8800	4.9123	36.4931	8.01	0.000959
1	1	52	2021	1	10	0.0979	3.572	6.8800	4.9123	36.4932	8.14	0.001996
1	1	52	2021	1	11	0.1047	3.819	6.8800	4.9123	36.4932	7.45	0.000819
1	1	52	2021	1	12	0.1106	4.037	6.8800	4.9123	36.4932	7.07	0.000002
1	1	52	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	52	2021	1	14	0.0360	1.080	7.2800	5.1979	30.0117	32.40	0.000028
1	1	52	2021	1	15	0.0368	1.776	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2021	1	16	0.0707	3.185	6.6500	4.7481	45.0549	12.96	0.008198
1	1	52	2021	1	17	0.0793	3.748	6.6500	4.7481	47.2522	11.66	0.002544
1	1	52	2021	1	18	0.0958	5.430	6.6500	4.7481	56.6821	10.20	0.002699
1	1	52	2021	1	19	0.1046	5.928	6.6500	4.7481	56.6821	9.88	0.001293
1	1	52	2021	1	20	0.1267	8.205	6.6500	4.7481	64.7605	8.71	0.006032
1	1	52	2021	1	21	0.1566	10.140	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2021	1	22	0.1770	23.050	6.6500	4.7481	130.2221	6.59	0.010278
1	1	52	2021	1	23	0.1987	39.312	6.6500	4.7481	197.8148	6.30	0.036527
1	1	52	2021	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2021	1	25	0.1686	4.592	6.8800	4.9123	27.2301	6.45	0.000303
1	1	52	2021	1	26	0.1535	15.006	6.6500	4.7481	97.7390	4.36	0.003655
1	1	52	2021	1	27	0.2166	5.897	6.6500	4.7481	27.2301	6.18	0.007008
1	1	52	2021	1	28	0.0936	4.116	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2021	2	1	10.9064	327.321	7.2800	5.3799	30.0117	24.10	0.281246
1	1	52	2021	2	2	8.6874	349.194	8.0600	5.7548	40.1957	18.50	0.101405
1	1	52	2021	2	3	9.2611	372.255	8.0600	5.7548	40.1957	18.50	0.337320
1	1	52	2021	2	4	11.4851	434.328	8.0600	5.7548	37.8166	14.20	0.103547
1	1	52	2021	2	5	11.7602	444.733	8.0600	5.7548	37.8166	14.20	0.047578
1	1	52	2021	2	6	5.0676	191.406	6.8800	4.9123	37.7707	10.13	0.027524
1	1	52	2021	2	7	6.3608	240.253	6.8800	4.9123	37.7707	9.39	0.000969
1	1	52	2021	2	8	6.1908	225.921	6.8800	4.9123	36.4932	9.35	0.000281
1	1	52	2021	2	9	7.2308	263.876	6.8800	4.9123	36.4931	8.01	0.000959
1	1	52	2021	2	10	7.1568	261.173	6.8800	4.9123	36.4932	8.14	0.001996
1	1	52	2021	2	11	8.5050	310.373	6.8800	4.9123	36.4932	7.45	0.000819
1	1	52	2021	2	12	9.0576	330.542	6.8800	4.9123	36.4932	7.07	0.000002
1	1	52	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	52	2021	2	14	0.4856	14.574	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	52	2021	2	15	0.1989	9.604	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	52	2021	2	16	0.1038	4.678	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	52	2021	2	17	0.1041	4.920	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	52	2021	2	18	0.1570	8.899	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	52	2021	2	19	0.1704	9.658	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	52	2021	2	20	0.1544	9.998	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	52	2021	2	21	0.1914	12.393	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	52	2021	2	22	0.2409	31.364	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	52	2021	2	23	0.2966	58.669	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	52	2021	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	52	2021	2	25	10.0857	274.636	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	52	2021	2	26	0.4963	48.509	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	52	2021	2	27	0.3886	10.581	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	52	2021	2	28	0.2879	12.662	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	52	2021	3	1	0.1798	5.395	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	52	2021	3	2	0.1361	5.471	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	52	2021	3	3	0.1912	7.684	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	52	2021	3	4	0.3915	14.806	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	52	2021	3	5	0.4926	18.627	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	52	2021	3	6	0.5202	19.647	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	52	2021	3	7	0.5885	22.229	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	52	2021	3	8	0.4717	17.215	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	52	2021	3	9	0.5469	19.957	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	52	2021	3	10	0.5420	19.778	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	52	2021	3	11	0.6043	22.055	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	52	2021	3	12	0.6430	23.464	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	52	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	52	2021	3	14	0.0664	1.994	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	52	2021	3	15	0.0476	2.297	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	52	2021	3	16	0.4862	21.906	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	52	2021	3	17	0.4609	21.778	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	52	2021	3	18	0.7582	42.979	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	52	2021	3	19	0.8225	46.624	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	52	2021	3	20	0.8377	54.250	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	52	2021	3	21	1.0373	67.178	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	52	2021	3	22	1.1017	143.467	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	52	2021	3	23	1.3767	272.335	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	52	2021	3	24	2.3799	20.425	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	52	2021	3	25	1.4577	39.693	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	52	2021	3	26	3.2088	313.627	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	52	2021	3	27	2.6629	72.512	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	52	2021	3	28	0.1301	5.720	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	53	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	53	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	53	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	53	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20
0.103547											

1	1	53	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	53	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	53	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2021	1	1	0.1490	4.472	7.2800	5.3799	30.0117	24.10	0.281246
1	1	53	2021	1	2	0.0999	4.014	8.0600	5.7548	40.1957	18.50	0.101405
1	1	53	2021	1	3	0.1458	5.861	8.0600	5.7548	40.1957	18.50	0.337320
1	1	53	2021	1	4	0.2578	9.750	8.0600	5.7548	37.8166	14.20	0.103547
1	1	53	2021	1	5	0.2729	10.320	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2021	1	6	0.1018	3.845	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2021	1	7	0.0977	3.690	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2021	1	8	0.0888	3.242	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2021	1	9	0.0977	3.564	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2021	1	10	0.0972	3.549	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2021	1	11	0.1040	3.795	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2021	1	12	0.1100	4.013	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2021	1	14	0.0359	1.078	7.2800	5.1979	30.0117	32.40	0.000028
1	1	53	2021	1	15	0.0367	1.770	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2021	1	16	0.0704	3.170	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2021	1	17	0.0789	3.730	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2021	1	18	0.0953	5.404	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2021	1	19	0.1041	5.900	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2021	1	20	0.1261	8.166	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2021	1	21	0.1558	10.093	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2021	1	22	0.1762	22.942	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2021	1	23	0.1978	39.128	6.6500	4.7481	197.8148	6.30	0.036527

1	1	53	2021	1	24	1.8080	15.517	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2021	1	25	0.1674	4.560	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2021	1	26	0.1528	14.936	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2021	1	27	0.2156	5.870	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2021	1	28	0.0933	4.105	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2021	2	1	10.9623	328.997	7.2800	5.3799	30.0117	24.10	0.281246
1	1	53	2021	2	2	8.7400	351.311	8.0600	5.7548	40.1957	18.50	0.101405
1	1	53	2021	2	3	9.3176	374.527	8.0600	5.7548	40.1957	18.50	0.337320
1	1	53	2021	2	4	11.5591	437.126	8.0600	5.7548	37.8166	14.20	0.103547
1	1	53	2021	2	5	11.8355	447.578	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2021	2	6	5.2339	197.687	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2021	2	7	6.5696	248.137	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2021	2	8	6.3940	233.336	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2021	2	9	7.4682	272.536	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2021	2	10	7.3917	269.745	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2021	2	11	8.7841	320.559	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2021	2	12	9.3549	341.389	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2021	2	14	0.4904	14.717	7.2800	5.1979	30.0117	32.40	0.000028
1	1	53	2021	2	15	0.2012	9.714	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2021	2	16	0.1058	4.765	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2021	2	17	0.1060	5.011	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2021	2	18	0.1599	9.064	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2021	2	19	0.1736	9.838	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2021	2	20	0.1573	10.184	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2021	2	21	0.1949	12.623	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2021	2	22	0.2453	31.948	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2021	2	23	0.3021	59.761	6.6500	4.7481	197.8148	6.30	0.036527
1	1	53	2021	2	24	9.8564	84.590	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2021	2	25	10.4167	283.649	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2021	2	26	0.5055	49.411	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2021	2	27	0.3958	10.777	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2021	2	28	0.2910	12.796	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2021	3	1	0.1808	5.425	7.2800	5.3799	30.0117	24.10	0.281246
1	1	53	2021	3	2	0.1369	5.504	8.0600	5.7548	40.1957	18.50	0.101405
1	1	53	2021	3	3	0.1922	7.724	8.0600	5.7548	40.1957	18.50	0.337320
1	1	53	2021	3	4	0.3931	14.867	8.0600	5.7548	37.8166	14.20	0.103547
1	1	53	2021	3	5	0.4941	18.687	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2021	3	6	0.5239	19.788	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2021	3	7	0.5928	22.389	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2021	3	8	0.4751	17.339	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2021	3	9	0.5508	20.101	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2021	3	10	0.5459	19.920	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2021	3	11	0.6087	22.214	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2021	3	12	0.6476	23.633	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2021	3	14	0.0689	2.069	7.2800	5.1979	30.0117	32.40	0.000028

1	1	53	2021	3	15	0.0494	2.385	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2021	3	16	0.5053	22.767	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2021	3	17	0.4790	22.634	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2021	3	18	0.7880	44.666	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2021	3	19	0.8548	48.454	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2021	3	20	0.8709	56.400	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2021	3	21	1.0784	69.840	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2021	3	22	1.1451	149.112	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2021	3	23	1.4307	283.007	6.6500	4.7481	197.8148	6.30	0.036527
1	1	53	2021	3	24	2.4278	20.836	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2021	3	25	1.4682	39.979	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2021	3	26	3.3380	326.256	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2021	3	27	2.7700	75.428	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2021	3	28	0.1350	5.935	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	54	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2021	1	1	0.1485	4.456	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2021	1	2	0.0996	4.003	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2021	1	3	0.1458	5.861	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2021	1	4	0.2574	9.733	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2021	1	5	0.2722	10.295	8.0600	5.7548	37.8166	14.20	0.047578

1	1	54	2021	1	6	0.1011	3.819	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2021	1	7	0.0970	3.664	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2021	1	8	0.0882	3.220	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2021	1	9	0.0970	3.541	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2021	1	10	0.0966	3.526	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2021	1	11	0.1034	3.773	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2021	1	12	0.1093	3.990	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2021	1	14	0.0358	1.075	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2021	1	15	0.0366	1.765	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2021	1	16	0.0700	3.155	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2021	1	17	0.0786	3.714	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2021	1	18	0.0949	5.380	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2021	1	19	0.1036	5.874	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2021	1	20	0.1255	8.130	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2021	1	21	0.1551	10.047	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2021	1	22	0.1754	22.838	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2021	1	23	0.1969	38.951	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2021	1	24	1.8775	16.114	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2021	1	25	0.1663	4.528	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2021	1	26	0.1521	14.869	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2021	1	27	0.2146	5.843	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2021	1	28	0.0931	4.094	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2021	2	1	11.0162	330.615	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2021	2	2	8.7909	353.355	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2021	2	3	9.3721	376.719	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2021	2	4	11.6305	439.827	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2021	2	5	11.9081	450.323	8.0600	5.7548	37.8166	14.20	0.047578
1	1	54	2021	2	6	5.3944	203.748	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2021	2	7	6.7710	255.746	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2021	2	8	6.5900	240.490	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2021	2	9	7.6971	280.893	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2021	2	10	7.6183	278.015	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2021	2	11	9.0534	330.387	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2021	2	12	9.6417	351.857	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2021	2	14	0.4950	14.855	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2021	2	15	0.2034	9.821	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2021	2	16	0.1076	4.849	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2021	2	17	0.1079	5.099	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2021	2	18	0.1627	9.224	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2021	2	19	0.1766	10.011	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2021	2	20	0.1600	10.364	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2021	2	21	0.1984	12.846	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2021	2	22	0.2497	32.511	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2021	2	23	0.3074	60.814	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2021	2	24	10.9598	94.059	1.3500	0.9639	8.5822	50.00	0.002374

1	1	54	2021	2	25	10.7361	292.346	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2021	2	26	0.5145	50.282	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2021	2	27	0.4028	10.967	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2021	2	28	0.2940	12.927	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2021	3	1	0.1817	5.453	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2021	3	2	0.1377	5.535	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2021	3	3	0.1931	7.764	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2021	3	4	0.3947	14.927	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2021	3	5	0.4957	18.744	8.0600	5.7548	37.8166	14.20	0.047578
1	1	54	2021	3	6	0.5275	19.925	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2021	3	7	0.5969	22.544	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2021	3	8	0.4784	17.458	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2021	3	9	0.5546	20.240	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2021	3	10	0.5496	20.058	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2021	3	11	0.6129	22.367	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2021	3	12	0.6521	23.796	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2021	3	14	0.0713	2.141	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2021	3	15	0.0512	2.470	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2021	3	16	0.5237	23.596	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2021	3	17	0.4965	23.459	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2021	3	18	0.8167	46.295	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2021	3	19	0.8860	50.221	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2021	3	20	0.9029	58.475	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2021	3	21	1.1181	72.410	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2021	3	22	1.1869	154.558	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2021	3	23	1.4827	293.304	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2021	3	24	2.4740	21.232	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2021	3	25	1.4783	40.255	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2021	3	26	3.4627	338.443	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2021	3	27	2.8734	78.242	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2021	3	28	0.1397	6.143	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	55	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518

1	1	55	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	55	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2021	1	1	0.1480	4.441	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2021	1	2	0.0993	3.993	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2021	1	3	0.1458	5.860	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2021	1	4	0.2569	9.716	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2021	1	5	0.2716	10.271	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2021	1	6	0.1004	3.793	6.8800	4.9123	37.7707	10.13	0.027524
1	1	55	2021	1	7	0.0963	3.638	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2021	1	8	0.0876	3.198	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2021	1	9	0.0964	3.519	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2021	1	10	0.0960	3.504	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2021	1	11	0.1028	3.750	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2021	1	12	0.1087	3.968	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2021	1	14	0.0357	1.073	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2021	1	15	0.0364	1.760	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2021	1	16	0.0697	3.142	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2021	1	17	0.0782	3.697	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2021	1	18	0.0945	5.356	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2021	1	19	0.1032	5.848	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2021	1	20	0.1250	8.094	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2021	1	21	0.1545	10.003	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2021	1	22	0.1746	22.738	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2021	1	23	0.1960	38.781	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2021	1	24	1.9447	16.690	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2021	1	25	0.1652	4.498	6.8800	4.9123	27.2301	6.45	0.000303
1	1	55	2021	1	26	0.1515	14.804	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2021	1	27	0.2136	5.818	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2021	1	28	0.0929	4.084	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2021	2	1	11.0682	332.176	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2021	2	2	8.8399	355.327	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2021	2	3	9.4248	378.835	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2021	2	4	11.6994	442.433	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2021	2	5	11.9781	452.973	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2021	2	6	5.5493	209.601	6.8800	4.9123	37.7707	10.13	0.027524

1	1	55	2021	2	7	6.9655	263.091	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2021	2	8	6.7793	247.398	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2021	2	9	7.9182	288.961	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2021	2	10	7.8371	286.001	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2021	2	11	9.3134	339.877	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2021	2	12	9.9187	361.963	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2021	2	14	0.4994	14.989	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2021	2	15	0.2055	9.924	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2021	2	16	0.1094	4.930	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2021	2	17	0.1097	5.185	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2021	2	18	0.1655	9.378	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2021	2	19	0.1796	10.179	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2021	2	20	0.1627	10.537	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2021	2	21	0.2017	13.061	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2021	2	22	0.2538	33.054	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2021	2	23	0.3126	61.831	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2021	2	24	12.0251	103.202	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2021	2	25	11.0445	300.743	6.8800	4.9123	27.2301	6.45	0.000303
1	1	55	2021	2	26	0.5231	51.123	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2021	2	27	0.4095	11.151	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2021	2	28	0.2968	13.052	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2021	3	1	0.1826	5.481	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2021	3	2	0.1385	5.565	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2021	3	3	0.1941	7.801	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2021	3	4	0.3962	14.984	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2021	3	5	0.4971	18.800	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2021	3	6	0.5310	20.057	6.8800	4.9123	37.7707	10.13	0.027524
1	1	55	2021	3	7	0.6008	22.693	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2021	3	8	0.4816	17.574	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2021	3	9	0.5583	20.374	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2021	3	10	0.5533	20.191	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2021	3	11	0.6170	22.515	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2021	3	12	0.6564	23.954	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2021	3	14	0.0737	2.210	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2021	3	15	0.0529	2.552	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2021	3	16	0.5415	24.398	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2021	3	17	0.5133	24.255	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2021	3	18	0.8445	47.867	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2021	3	19	0.9161	51.926	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2021	3	20	0.9339	60.478	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2021	3	21	1.1564	74.890	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2021	3	22	1.2273	159.816	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2021	3	23	1.5330	303.246	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2021	3	24	2.5186	21.615	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2021	3	25	1.4881	40.522	6.8800	4.9123	27.2301	6.45	0.000303

1	1	55	2021	3	26	3.5831	350.209	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2021	3	27	2.9731	80.958	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2021	3	28	0.1443	6.344	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	56	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	56	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2021	1	1	0.1475	4.426	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2021	1	2	0.0991	3.982	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2021	1	3	0.1458	5.860	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2021	1	4	0.2565	9.700	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2021	1	5	0.2710	10.248	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2021	1	6	0.0998	3.768	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2021	1	7	0.0957	3.614	6.8800	4.9123	37.7707	9.39	0.000969
1	1	56	2021	1	8	0.0871	3.178	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2021	1	9	0.0959	3.498	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2021	1	10	0.0955	3.483	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2021	1	11	0.1022	3.729	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2021	1	12	0.1081	3.946	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2021	1	14	0.0357	1.070	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2021	1	15	0.0363	1.755	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2021	1	16	0.0694	3.128	6.6500	4.7481	45.0549	12.96	0.008198

1	1	56	2021	1	17	0.0779	3.682	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2021	1	18	0.0941	5.334	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2021	1	19	0.1027	5.823	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2021	1	20	0.1245	8.060	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2021	1	21	0.1538	9.961	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2021	1	22	0.1739	22.642	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2021	1	23	0.1952	38.616	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2021	1	24	2.0096	17.247	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2021	1	25	0.1641	4.468	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2021	1	26	0.1508	14.741	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2021	1	27	0.2127	5.793	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2021	1	28	0.0926	4.074	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2021	2	1	11.1185	333.685	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2021	2	2	8.8873	357.233	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2021	2	3	9.4756	380.880	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2021	2	4	11.7660	444.952	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2021	2	5	12.0458	455.533	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2021	2	6	5.6990	215.255	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2021	2	7	7.1534	270.188	6.8800	4.9123	37.7707	9.39	0.000969
1	1	56	2021	2	8	6.9622	254.071	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2021	2	9	8.1318	296.755	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2021	2	10	8.0485	293.715	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2021	2	11	9.5647	349.045	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2021	2	12	10.1862	371.727	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2021	2	14	0.5037	15.118	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2021	2	15	0.2076	10.024	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2021	2	16	0.1112	5.009	6.6500	4.7481	45.0549	12.96	0.008198
1	1	56	2021	2	17	0.1115	5.267	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2021	2	18	0.1681	9.527	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2021	2	19	0.1824	10.341	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2021	2	20	0.1653	10.705	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2021	2	21	0.2049	13.268	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2021	2	22	0.2579	33.580	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2021	2	23	0.3175	62.813	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2021	2	24	13.0543	112.035	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2021	2	25	11.3424	308.855	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2021	2	26	0.5314	51.935	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2021	2	27	0.4160	11.328	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2021	2	28	0.2996	13.174	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2021	3	1	0.1835	5.507	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2021	3	2	0.1392	5.594	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2021	3	3	0.1950	7.838	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2021	3	4	0.3977	15.039	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2021	3	5	0.4985	18.853	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2021	3	6	0.5344	20.184	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2021	3	7	0.6046	22.837	6.8800	4.9123	37.7707	9.39	0.000969

1	1	56	2021	3	8	0.4846	17.686	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2021	3	9	0.5618	20.503	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2021	3	10	0.5568	20.319	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2021	3	11	0.6209	22.658	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2021	3	12	0.6606	24.106	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2021	3	14	0.0759	2.278	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2021	3	15	0.0545	2.631	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2021	3	16	0.5587	25.172	6.6500	4.7481	45.0549	12.96	0.008198
1	1	56	2021	3	17	0.5296	25.025	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2021	3	18	0.8713	49.386	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2021	3	19	0.9452	53.574	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2021	3	20	0.9638	62.413	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2021	3	21	1.1934	77.287	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2021	3	22	1.2663	164.896	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2021	3	23	1.5815	312.852	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2021	3	24	2.5617	21.985	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2021	3	25	1.4976	40.779	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2021	3	26	3.6994	361.576	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2021	3	27	3.0695	83.583	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2021	3	28	0.1487	6.538	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	57	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655

1	1	57	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2021	1	1	0.1470	4.412	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2021	1	2	0.0988	3.973	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2021	1	3	0.1458	5.860	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2021	1	4	0.2561	9.685	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2021	1	5	0.2704	10.226	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2021	1	6	0.0991	3.744	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2021	1	7	0.0950	3.590	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2021	1	8	0.0865	3.158	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2021	1	9	0.0953	3.478	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2021	1	10	0.0949	3.463	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2021	1	11	0.1016	3.708	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2021	1	12	0.1076	3.925	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2021	1	14	0.0356	1.068	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2021	1	15	0.0362	1.750	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2021	1	16	0.0691	3.115	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2021	1	17	0.0776	3.666	6.6500	4.7481	47.2522	11.66	0.002544
1	1	57	2021	1	18	0.0937	5.312	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2021	1	19	0.1023	5.799	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2021	1	20	0.1239	8.026	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2021	1	21	0.1532	9.919	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2021	1	22	0.1732	22.548	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2021	1	23	0.1944	38.456	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2021	1	24	2.0723	17.785	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2021	1	25	0.1630	4.440	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2021	1	26	0.1502	14.680	6.6500	4.7481	97.7390	4.36	0.003655
1	1	57	2021	1	27	0.2119	5.769	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2021	1	28	0.0924	4.065	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2021	2	1	11.1671	335.144	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2021	2	2	8.9332	359.075	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2021	2	3	9.5248	382.857	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2021	2	4	11.8304	447.387	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2021	2	5	12.1113	458.008	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2021	2	6	5.8437	220.720	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2021	2	7	7.3350	277.048	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2021	2	8	7.1389	260.522	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2021	2	9	8.3383	304.290	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2021	2	10	8.2529	301.173	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2021	2	11	9.8075	357.907	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2021	2	12	10.4448	381.165	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2021	2	14	0.5079	15.242	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2021	2	15	0.2096	10.120	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2021	2	16	0.1128	5.084	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2021	2	17	0.1131	5.347	6.6500	4.7481	47.2522	11.66	0.002544

1	1	57	2021	2	18	0.1706	9.671	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2021	2	19	0.1852	10.497	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2021	2	20	0.1678	10.866	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2021	2	21	0.2080	13.469	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2021	2	22	0.2618	34.087	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2021	2	23	0.3223	63.763	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2021	2	24	14.0492	120.573	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2021	2	25	11.6304	316.697	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2021	2	26	0.5394	52.720	6.6500	4.7481	97.7390	4.36	0.003655
1	1	57	2021	2	27	0.4223	11.499	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2021	2	28	0.3022	13.291	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2021	3	1	0.1844	5.533	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2021	3	2	0.1399	5.622	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2021	3	3	0.1959	7.873	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2021	3	4	0.3991	15.093	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2021	3	5	0.4999	18.905	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2021	3	6	0.5377	20.307	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2021	3	7	0.6083	22.977	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2021	3	8	0.4876	17.794	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2021	3	9	0.5653	20.628	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2021	3	10	0.5602	20.443	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2021	3	11	0.6247	22.796	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2021	3	12	0.6646	24.253	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2021	3	14	0.0781	2.343	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2021	3	15	0.0561	2.708	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2021	3	16	0.5753	25.920	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2021	3	17	0.5453	25.769	6.6500	4.7481	47.2522	11.66	0.002544
1	1	57	2021	3	18	0.8972	50.854	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2021	3	19	0.9733	55.167	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2021	3	20	0.9926	64.284	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2021	3	21	1.2292	79.604	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2021	3	22	1.3040	169.807	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2021	3	23	1.6285	322.137	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2021	3	24	2.6034	22.343	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2021	3	25	1.5067	41.028	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2021	3	26	3.8118	372.565	6.6500	4.7481	97.7390	4.36	0.003655
1	1	57	2021	3	27	3.1627	86.120	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2021	3	28	0.1529	6.726	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281

1	1	58	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	58	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	58	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2021	1	1	0.1466	4.400	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2021	1	2	0.0986	3.965	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2021	1	3	0.1459	5.863	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2021	1	4	0.2558	9.672	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2021	1	5	0.2699	10.205	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2021	1	6	0.0991	3.742	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2021	1	7	0.0949	3.586	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2021	1	8	0.0864	3.155	6.8800	4.9123	36.4932	9.35	0.000281
1	1	58	2021	1	9	0.0953	3.477	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2021	1	10	0.0949	3.462	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2021	1	11	0.1016	3.709	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2021	1	12	0.1076	3.927	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2021	1	14	0.0356	1.068	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2021	1	15	0.0362	1.750	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2021	1	16	0.0691	3.115	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2021	1	17	0.0776	3.666	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2021	1	18	0.0937	5.312	6.6500	4.7481	56.6821	10.20	0.002699
1	1	58	2021	1	19	0.1023	5.799	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2021	1	20	0.1239	8.026	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2021	1	21	0.1532	9.919	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2021	1	22	0.1732	22.548	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2021	1	23	0.1944	38.456	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2021	1	24	2.1440	18.400	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2021	1	25	0.1630	4.439	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2021	1	26	0.1502	14.680	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2021	1	27	0.2119	5.769	6.6500	4.7481	27.2301	6.18	0.007008

1	1	58	2021	1	28	0.0924	4.065	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2021	2	1	11.2226	336.811	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2021	2	2	8.9856	361.181	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2021	2	3	9.5810	385.116	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2021	2	4	11.9040	450.169	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2021	2	5	12.1861	460.838	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2021	2	6	6.1156	230.991	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2021	2	7	7.6763	289.940	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2021	2	8	7.4711	272.645	6.8800	4.9123	36.4932	9.35	0.000281
1	1	58	2021	2	9	8.7263	318.450	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2021	2	10	8.6369	315.188	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2021	2	11	10.2639	374.562	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2021	2	12	10.9309	398.902	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2021	2	14	0.5160	15.487	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2021	2	15	0.2135	10.309	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2021	2	16	0.1162	5.233	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2021	2	17	0.1165	5.503	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2021	2	18	0.1756	9.955	6.6500	4.7481	56.6821	10.20	0.002699
1	1	58	2021	2	19	0.1906	10.804	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2021	2	20	0.1727	11.185	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2021	2	21	0.2141	13.863	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2021	2	22	0.2694	35.085	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2021	2	23	0.3318	65.630	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2021	2	24	15.1864	130.333	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2021	2	25	12.1716	331.434	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2021	2	26	0.5552	54.264	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2021	2	27	0.4347	11.836	6.6500	4.7481	27.2301	6.18	0.007008
1	1	58	2021	2	28	0.3075	13.522	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2021	3	1	0.1853	5.562	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2021	3	2	0.1407	5.655	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2021	3	3	0.1969	7.914	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2021	3	4	0.4007	15.154	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2021	3	5	0.5015	18.965	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2021	3	6	0.5414	20.448	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2021	3	7	0.6125	23.136	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2021	3	8	0.4910	17.917	6.8800	4.9123	36.4932	9.35	0.000281
1	1	58	2021	3	9	0.5692	20.771	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2021	3	10	0.5641	20.585	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2021	3	11	0.6290	22.955	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2021	3	12	0.6692	24.421	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2021	3	14	0.0817	2.451	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2021	3	15	0.0587	2.835	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2021	3	16	0.6030	27.169	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2021	3	17	0.5716	27.010	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2021	3	18	0.9404	53.303	6.6500	4.7481	56.6821	10.20	0.002699

1	1	58	2021	3	19	1.0201	57.824	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2021	3	20	1.0408	67.405	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2021	3	21	1.2889	83.469	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2021	3	22	1.3669	177.999	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2021	3	23	1.7068	337.626	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2021	3	24	2.6510	22.751	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2021	3	25	1.5172	41.313	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2021	3	26	3.9994	390.895	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2021	3	27	3.3181	90.352	6.6500	4.7481	27.2301	6.18	0.007008
1	1	58	2021	3	28	0.1601	7.038	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	59	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2021	1	1	0.1462	4.389	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2021	1	2	0.0984	3.957	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2021	1	3	0.1459	5.866	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2021	1	4	0.2554	9.660	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2021	1	5	0.2693	10.185	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2021	1	6	0.0990	3.739	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2021	1	7	0.0948	3.582	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2021	1	8	0.0864	3.152	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2021	1	9	0.0953	3.476	6.8800	4.9123	36.4931	8.01	0.000959

1	1	59	2021	1	10	0.0949	3.461	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2021	1	11	0.1017	3.710	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2021	1	12	0.1077	3.930	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2021	1	14	0.0356	1.068	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2021	1	15	0.0362	1.750	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2021	1	16	0.0691	3.115	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2021	1	17	0.0776	3.666	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2021	1	18	0.0937	5.312	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2021	1	19	0.1023	5.799	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2021	1	20	0.1239	8.026	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2021	1	21	0.1532	9.919	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2021	1	22	0.1732	22.548	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2021	1	23	0.1944	38.456	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2021	1	24	2.2134	18.996	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2021	1	25	0.1630	4.439	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2021	1	26	0.1502	14.680	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2021	1	27	0.2119	5.769	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2021	1	28	0.0924	4.065	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2021	2	1	11.2764	338.424	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2021	2	2	9.0363	363.219	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2021	2	3	9.6354	387.303	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2021	2	4	11.9752	452.863	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2021	2	5	12.2585	463.576	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2021	2	6	6.3788	240.931	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2021	2	7	8.0067	302.417	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2021	2	8	7.7926	284.377	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2021	2	9	9.1018	332.153	6.8800	4.9123	36.4931	8.01	0.000959
1	1	59	2021	2	10	9.0086	328.750	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2021	2	11	10.7056	390.680	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2021	2	12	11.4012	416.067	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2021	2	14	0.5239	15.724	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2021	2	15	0.2173	10.492	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2021	2	16	0.1194	5.377	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2021	2	17	0.1197	5.655	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2021	2	18	0.1805	10.229	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2021	2	19	0.1959	11.102	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2021	2	20	0.1775	11.493	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2021	2	21	0.2200	14.245	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2021	2	22	0.2768	36.051	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2021	2	23	0.3409	67.437	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2021	2	24	16.2869	139.778	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2021	2	25	12.6953	345.696	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2021	2	26	0.5705	55.758	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2021	2	27	0.4466	12.162	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2021	2	28	0.3126	13.745	8.0600	5.7548	43.9743	17.00	0.002242

1	1	59	2021	3	1	0.1863	5.591	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2021	3	2	0.1414	5.686	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2021	3	3	0.1979	7.953	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2021	3	4	0.4023	15.213	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2021	3	5	0.5030	19.022	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2021	3	6	0.5450	20.585	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2021	3	7	0.6166	23.290	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2021	3	8	0.4942	18.036	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2021	3	9	0.5730	20.910	6.8800	4.9123	36.4931	8.01	0.000959
1	1	59	2021	3	10	0.5678	20.722	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2021	3	11	0.6332	23.108	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2021	3	12	0.6737	24.584	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2021	3	14	0.0852	2.556	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2021	3	15	0.0613	2.959	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2021	3	16	0.6298	28.377	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2021	3	17	0.5970	28.211	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2021	3	18	0.9822	55.673	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2021	3	19	1.0655	60.395	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2021	3	20	1.0875	70.425	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2021	3	21	1.3466	87.209	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2021	3	22	1.4278	185.926	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2021	3	23	1.7826	352.615	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2021	3	24	2.6971	23.147	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2021	3	25	1.5273	41.588	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2021	3	26	4.1809	408.634	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2021	3	27	3.4685	94.447	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2021	3	28	0.1669	7.341	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	60	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293

1	1	60	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2021	1	1	0.1459	4.377	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2021	1	2	0.0983	3.949	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2021	1	3	0.1460	5.869	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2021	1	4	0.2551	9.648	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2021	1	5	0.2688	10.166	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2021	1	6	0.0989	3.737	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2021	1	7	0.0948	3.579	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2021	1	8	0.0863	3.149	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2021	1	9	0.0952	3.476	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2021	1	10	0.0948	3.461	6.8800	4.9123	36.4932	8.14	0.001996
1	1	60	2021	1	11	0.1017	3.711	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2021	1	12	0.1077	3.932	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2021	1	14	0.0356	1.068	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2021	1	15	0.0362	1.750	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2021	1	16	0.0691	3.115	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2021	1	17	0.0776	3.666	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2021	1	18	0.0937	5.312	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2021	1	19	0.1023	5.799	6.6500	4.7481	56.6821	9.88	0.001293
1	1	60	2021	1	20	0.1239	8.026	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2021	1	21	0.1532	9.919	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2021	1	22	0.1732	22.548	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2021	1	23	0.1944	38.456	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2021	1	24	2.2806	19.573	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2021	1	25	0.1630	4.439	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2021	1	26	0.1502	14.680	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2021	1	27	0.2119	5.769	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2021	1	28	0.0924	4.065	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2021	2	1	11.3284	339.986	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2021	2	2	9.0854	365.192	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2021	2	3	9.6881	389.420	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2021	2	4	12.0442	455.470	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2021	2	5	12.3286	466.227	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2021	2	6	6.6336	250.555	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2021	2	7	8.3265	314.497	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2021	2	8	8.1039	295.737	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2021	2	9	9.4654	345.421	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2021	2	10	9.3684	341.883	6.8800	4.9123	36.4932	8.14	0.001996

1	1	60	2021	2	11	11.1332	406.286	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2021	2	12	11.8567	432.687	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2021	2	14	0.5316	15.954	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2021	2	15	0.2210	10.669	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2021	2	16	0.1224	5.517	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2021	2	17	0.1228	5.801	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2021	2	18	0.1851	10.494	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2021	2	19	0.2009	11.390	6.6500	4.7481	56.6821	9.88	0.001293
1	1	60	2021	2	20	0.1821	11.791	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2021	2	21	0.2257	14.614	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2021	2	22	0.2840	36.987	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2021	2	23	0.3498	69.186	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2021	2	24	17.3525	148.923	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2021	2	25	13.2025	359.505	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2021	2	26	0.5853	57.205	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2021	2	27	0.4582	12.477	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2021	2	28	0.3175	13.961	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2021	3	1	0.1872	5.618	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2021	3	2	0.1422	5.716	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2021	3	3	0.1988	7.991	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2021	3	4	0.4038	15.271	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2021	3	5	0.5045	19.078	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2021	3	6	0.5485	20.717	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2021	3	7	0.6206	23.440	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2021	3	8	0.4974	18.152	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2021	3	9	0.5767	21.044	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2021	3	10	0.5715	20.855	6.8800	4.9123	36.4932	8.14	0.001996
1	1	60	2021	3	11	0.6373	23.256	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2021	3	12	0.6780	24.742	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2021	3	14	0.0886	2.658	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2021	3	15	0.0638	3.078	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2021	3	16	0.6558	29.547	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2021	3	17	0.6216	29.374	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2021	3	18	1.0227	57.968	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2021	3	19	1.1094	62.884	6.6500	4.7481	56.6821	9.88	0.001293
1	1	60	2021	3	20	1.1326	73.350	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2021	3	21	1.4025	90.830	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2021	3	22	1.4867	193.602	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2021	3	23	1.8559	367.128	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2021	3	24	2.7417	23.530	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2021	3	25	1.5371	41.855	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2021	3	26	4.3566	425.810	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2021	3	27	3.6141	98.412	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2021	3	28	0.1736	7.634	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246

1	1	61	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	61	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	61	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2021	1	1	0.1455	4.366	7.2800	5.3799	30.0117	24.10	0.281246
1	1	61	2021	1	2	0.0981	3.942	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2021	1	3	0.1461	5.871	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2021	1	4	0.2548	9.636	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2021	1	5	0.2683	10.147	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2021	1	6	0.0989	3.734	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2021	1	7	0.0947	3.575	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2021	1	8	0.0862	3.146	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2021	1	9	0.0952	3.475	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2021	1	10	0.0948	3.460	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2021	1	11	0.1017	3.712	6.8800	4.9123	36.4932	7.45	0.000819
1	1	61	2021	1	12	0.1078	3.934	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2021	1	14	0.0356	1.068	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2021	1	15	0.0362	1.750	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2021	1	16	0.0691	3.115	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2021	1	17	0.0776	3.666	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2021	1	18	0.0937	5.312	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2021	1	19	0.1023	5.799	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2021	1	20	0.1239	8.026	6.6500	4.7481	64.7605	8.71	0.006032

1	1	61	2021	1	21	0.1532	9.919	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2021	1	22	0.1732	22.548	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2021	1	23	0.1944	38.456	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2021	1	24	2.3457	20.131	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2021	1	25	0.1630	4.438	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2021	1	26	0.1502	14.680	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2021	1	27	0.2119	5.769	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2021	1	28	0.0924	4.065	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2021	2	1	11.3789	341.500	7.2800	5.3799	30.0117	24.10	0.281246
1	1	61	2021	2	2	9.1329	367.104	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2021	2	3	9.7391	391.471	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2021	2	4	12.1110	457.996	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2021	2	5	12.3965	468.795	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2021	2	6	6.8804	259.878	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2021	2	7	8.6363	326.200	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2021	2	8	8.4055	306.742	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2021	2	9	9.8176	358.274	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2021	2	10	9.7170	354.604	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2021	2	11	11.5475	421.404	6.8800	4.9123	36.4932	7.45	0.000819
1	1	61	2021	2	12	12.2979	448.788	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2021	2	14	0.5390	16.177	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2021	2	15	0.2245	10.841	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2021	2	16	0.1254	5.652	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2021	2	17	0.1258	5.943	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2021	2	18	0.1897	10.751	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2021	2	19	0.2059	11.669	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2021	2	20	0.1865	12.080	6.6500	4.7481	64.7605	8.71	0.006032
1	1	61	2021	2	21	0.2312	14.972	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2021	2	22	0.2910	37.893	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2021	2	23	0.3583	70.881	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2021	2	24	18.3848	157.783	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2021	2	25	13.6937	372.883	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2021	2	26	0.5996	58.606	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2021	2	27	0.4694	12.783	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2021	2	28	0.3222	14.170	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2021	3	1	0.1881	5.645	7.2800	5.3799	30.0117	24.10	0.281246
1	1	61	2021	3	2	0.1429	5.745	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2021	3	3	0.1997	8.027	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2021	3	4	0.4053	15.326	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2021	3	5	0.5059	19.132	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2021	3	6	0.5519	20.844	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2021	3	7	0.6244	23.584	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2021	3	8	0.5005	18.264	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2021	3	9	0.5802	21.174	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2021	3	10	0.5750	20.984	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2021	3	11	0.6412	23.399	6.8800	4.9123	36.4932	7.45	0.000819

1	1	61	2021	3	12	0.6822	24.894	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2021	3	14	0.0918	2.757	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2021	3	15	0.0662	3.194	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2021	3	16	0.6809	30.680	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2021	3	17	0.6455	30.501	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2021	3	18	1.0619	60.192	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2021	3	19	1.1520	65.296	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2021	3	20	1.1764	76.183	6.6500	4.7481	64.7605	8.71	0.006032
1	1	61	2021	3	21	1.4567	94.338	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2021	3	22	1.5438	201.038	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2021	3	23	1.9270	381.188	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2021	3	24	2.7849	23.901	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2021	3	25	1.5466	42.113	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2021	3	26	4.5268	442.449	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2021	3	27	3.7552	102.254	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2021	3	28	0.1801	7.918	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2021	4	1	367.9	11042.8	7.2800	5.3799	30.0117	24.10	0.281246
1	1	62	2021	4	2	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.101405
1	1	62	2021	4	3	479.3	19267.7	8.0600	5.7548	40.1957	18.50	0.337320
1	1	62	2021	4	4	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.103547
1	1	62	2021	4	5	624.4	23612.5	8.0600	5.7548	37.8166	14.20	0.047578
1	1	62	2021	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	62	2021	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	62	2021	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	62	2021	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	62	2021	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	62	2021	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	62	2021	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	62	2021	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2021	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	62	2021	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2021	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	62	2021	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	62	2021	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	62	2021	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	62	2021	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	62	2021	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	62	2021	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	62	2021	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	62	2021	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	62	2021	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	62	2021	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	62	2021	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	62	2021	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2021	1	1	0.1451	4.356	7.2800	5.3799	30.0117	24.10	0.281246
1	1	62	2021	1	2	0.0979	3.935	8.0600	5.7548	40.1957	18.50	0.101405

1	1	62	2021	1	3	0.1461	5.874	8.0600	5.7548	40.1957	18.50	0.337320
1	1	62	2021	1	4	0.2545	9.625	8.0600	5.7548	37.8166	14.20	0.103547
1	1	62	2021	1	5	0.2678	10.129	8.0600	5.7548	37.8166	14.20	0.047578
1	1	62	2021	1	6	0.0988	3.732	6.8800	4.9123	37.7707	10.13	0.027524
1	1	62	2021	1	7	0.0946	3.572	6.8800	4.9123	37.7707	9.39	0.000969
1	1	62	2021	1	8	0.0861	3.143	6.8800	4.9123	36.4932	9.35	0.000281
1	1	62	2021	1	9	0.0952	3.474	6.8800	4.9123	36.4931	8.01	0.000959
1	1	62	2021	1	10	0.0948	3.459	6.8800	4.9123	36.4932	8.14	0.001996
1	1	62	2021	1	11	0.1017	3.713	6.8800	4.9123	36.4932	7.45	0.000819
1	1	62	2021	1	12	0.1079	3.937	6.8800	4.9123	36.4932	7.07	0.000002
1	1	62	2021	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2021	1	14	0.0356	1.068	7.2800	5.1979	30.0117	32.40	0.000028
1	1	62	2021	1	15	0.0362	1.750	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2021	1	16	0.0691	3.115	6.6500	4.7481	45.0549	12.96	0.008198
1	1	62	2021	1	17	0.0776	3.666	6.6500	4.7481	47.2522	11.66	0.002544
1	1	62	2021	1	18	0.0937	5.312	6.6500	4.7481	56.6821	10.20	0.002699
1	1	62	2021	1	19	0.1023	5.799	6.6500	4.7481	56.6821	9.88	0.001293
1	1	62	2021	1	20	0.1239	8.026	6.6500	4.7481	64.7605	8.71	0.006032
1	1	62	2021	1	21	0.1532	9.919	6.6500	4.7481	64.7605	7.53	0.008655
1	1	62	2021	1	22	0.1732	22.548	6.6500	4.7481	130.2221	6.59	0.010278
1	1	62	2021	1	23	0.1944	38.456	6.6500	4.7481	197.8148	6.30	0.036527
1	1	62	2021	1	24	2.4088	20.672	1.3500	0.9639	8.5822	50.00	0.002374
1	1	62	2021	1	25	0.1630	4.438	6.8800	4.9123	27.2301	6.45	0.000303
1	1	62	2021	1	26	0.1502	14.680	6.6500	4.7481	97.7390	4.36	0.003655
1	1	62	2021	1	27	0.2119	5.769	6.6500	4.7481	27.2301	6.18	0.007008
1	1	62	2021	1	28	0.0924	4.065	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2021	2	1	11.4277	342.966	7.2800	5.3799	30.0117	24.10	0.281246
1	1	62	2021	2	2	9.1790	368.956	8.0600	5.7548	40.1957	18.50	0.101405
1	1	62	2021	2	3	9.7886	393.458	8.0600	5.7548	40.1957	18.50	0.337320
1	1	62	2021	2	4	12.1757	460.445	8.0600	5.7548	37.8166	14.20	0.103547
1	1	62	2021	2	5	12.4623	471.284	8.0600	5.7548	37.8166	14.20	0.047578
1	1	62	2021	2	6	7.1197	268.915	6.8800	4.9123	37.7707	10.13	0.027524
1	1	62	2021	2	7	8.9366	337.542	6.8800	4.9123	37.7707	9.39	0.000969
1	1	62	2021	2	8	8.6977	317.408	6.8800	4.9123	36.4932	9.35	0.000281
1	1	62	2021	2	9	10.1590	370.732	6.8800	4.9123	36.4931	8.01	0.000959
1	1	62	2021	2	10	10.0549	366.935	6.8800	4.9123	36.4932	8.14	0.001996
1	1	62	2021	2	11	11.9490	436.057	6.8800	4.9123	36.4932	7.45	0.000819
1	1	62	2021	2	12	12.7255	464.393	6.8800	4.9123	36.4932	7.07	0.000002
1	1	62	2021	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2021	2	14	0.5462	16.392	7.2800	5.1979	30.0117	32.40	0.000028
1	1	62	2021	2	15	0.2280	11.007	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2021	2	16	0.1284	5.783	6.6500	4.7481	45.0549	12.96	0.008198
1	1	62	2021	2	17	0.1287	6.081	6.6500	4.7481	47.2522	11.66	0.002544
1	1	62	2021	2	18	0.1941	11.000	6.6500	4.7481	56.6821	10.20	0.002699
1	1	62	2021	2	19	0.2106	11.939	6.6500	4.7481	56.6821	9.88	0.001293
1	1	62	2021	2	20	0.1909	12.360	6.6500	4.7481	64.7605	8.71	0.006032
1	1	62	2021	2	21	0.2366	15.319	6.6500	4.7481	64.7605	7.53	0.008655

1	1	62	2021	2	22	0.2977	38.771	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	62	2021	2	23	0.3666	72.524	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	62	2021	2	24	19.3854	166.370	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	62	2021	2	25	14.1699	385.849	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	62	2021	2	26	0.6135	59.964	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	62	2021	2	27	0.4803	13.079	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	62	2021	2	28	0.3269	14.373	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	62	2021	3	1	0.1890	5.671	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	62	2021	3	2	0.1436	5.773	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	62	2021	3	3	0.2006	8.063	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	62	2021	3	4	0.4067	15.380	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	62	2021	3	5	0.5073	19.184	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	62	2021	3	6	0.5551	20.968	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	62	2021	3	7	0.6281	23.724	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	62	2021	3	8	0.5035	18.373	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	62	2021	3	9	0.5837	21.300	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	62	2021	3	10	0.5784	21.108	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	62	2021	3	11	0.6450	23.538	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	62	2021	3	12	0.6862	25.042	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	62	2021	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	62	2021	3	14	0.0950	2.852	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	62	2021	3	15	0.0685	3.307	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	62	2021	3	16	0.7053	31.778	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	62	2021	3	17	0.6686	31.592	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	62	2021	3	18	1.0999	62.346	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	62	2021	3	19	1.1932	67.634	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	62	2021	3	20	1.2188	78.928	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	62	2021	3	21	1.5092	97.738	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	62	2021	3	22	1.5992	208.246	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	62	2021	3	23	1.9959	394.815	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	62	2021	3	24	2.8268	24.260	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	62	2021	3	25	1.5558	42.364	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	62	2021	3	26	4.6918	458.576	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	62	2021	3	27	3.8919	105.977	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	62	2021	3	28	0.1863	8.193	8.0600	5.7548	43.9743	17.00
0.002242											

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: RCNTY35W.INP (file 1, run 1).                             *
*************************************************************************
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


* Reading I/M program description records from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\IM2035.D
*IM Program.  Idle, IM240, and OBD.
*Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

* Reading non-default I/M CUTPOINTS from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\CUTPNT35.D
*CY 2018.
*EPA Final Cutpoints.

  Reading User Supplied Tier2 Exhaust bin phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11


  Reading User Supplied Tier2 EVAP phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11


  Reading User Supplied Tier2 50K certification standards

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIStd.d


* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11

* Reading Registration Distributions from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\REGDAT05.BAL
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M614 Comment:
               User supplied diesel sale fractions.

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=45
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M582 Warning:
            The user supplied freeway average speed of 45.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to a fixed combination of freeways
            and freeway ramps for all hours of the day and all
             vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102S.DEF
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
 HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

* Reading Ammonia (NH3) Basic Emissiion Rates
* from the external data file PMNH3BER.D

* Reading Ammonia (NH3) Sulfur Deterioration Rates
* from the external data file PMNH3SDR.D

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.118     0.130     0.216     0.152     0.096    0.020     0.044     0.175
1.76     0.146
     Composite CO  :     10.29      8.70     10.42      9.14      4.87     0.448     0.212     0.146
8.99     8.484
     Composite NOX :      0.124     0.154     0.275     0.185     0.190    0.021     0.036     0.454
2.06     0.195
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=46
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
```

```
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M582 Warning:
            The user supplied freeway average speed of 46.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to a fixed combination of freeways
            and freeway ramps for all hours of the day and all
             vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.118     0.130     0.215     0.152     0.094     0.020     0.044     0.172
1.76     0.145
     Composite CO  :     10.35      8.76     10.49      9.20      4.90     0.448     0.212     0.146
8.94     8.536
```

```
     Composite NOX :      0.124     0.154     0.276     0.186     0.192    0.022     0.036     0.464
2.09     0.196
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=47
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M582 Warning:
            The user supplied freeway average speed of 47.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to a fixed combination of freeways
            and freeway ramps for all hours of the day and all
             vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.117     0.130     0.215     0.152     0.093    0.019     0.044     0.170
1.75     0.145
     Composite CO  :     10.40      8.81     10.56      9.26      4.94     0.447     0.212     0.146
8.90     8.585
     Composite NOX :      0.125     0.155     0.277     0.186     0.193    0.022     0.037     0.473
2.11     0.198
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=45
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M582 Warning:
            The user supplied freeway average speed of 45.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to a fixed combination of freeways
            and freeway ramps for all hours of the day and all
             vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
```

```
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.118     0.130     0.216     0.152     0.096    0.020     0.044     0.175
1.76     0.146
     Composite CO  :     10.29      8.70     10.42      9.14      4.87     0.448     0.212     0.146
8.99     8.484
     Composite NOX :      0.124     0.154     0.275     0.185     0.190    0.021     0.036     0.454
2.06     0.195
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=46
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M582 Warning:
            The user supplied freeway average speed of 46.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to a fixed combination of freeways
            and freeway ramps for all hours of the day and all
             vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102F.DEF

  Reading User Supplied ROADWAY VMT Factors
```

```
* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.118     0.130     0.215     0.152     0.094    0.020     0.044     0.172
1.76     0.145
     Composite CO  :     10.35      8.76     10.49      9.20      4.90     0.448     0.212     0.146
8.94     8.536
     Composite NOX :      0.124     0.154     0.276     0.186     0.192    0.022     0.036     0.464
2.09     0.196
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=47
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M582 Warning:
            The user supplied freeway average speed of 47.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to a fixed combination of freeways
```

```
            and freeway ramps for all hours of the day and all
             vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.117     0.130     0.215     0.152     0.093    0.019     0.044     0.170
1.75     0.145
     Composite CO  :     10.40      8.81     10.56      9.26      4.94     0.447     0.212     0.146
8.90     8.585
     Composite NOX :      0.125     0.155     0.277     0.186     0.193    0.022     0.037     0.473
2.11     0.198
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=20
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV
```

```
* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 20.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.157     0.159     0.267     0.186     0.223    0.031     0.073     0.337
2.46     0.197
     Composite CO  :      9.80      8.19      9.82      8.60      9.28     0.695     0.347     0.298
15.37     8.201
     Composite NOX :      0.129     0.161     0.286     0.193     0.156    0.022     0.037     0.467
1.69     0.200
```

```
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=22
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 22.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:               <6000     >6000     (All)
```

```
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.149     0.152     0.256     0.179     0.201    0.029     0.069     0.313
2.36     0.187
     Composite CO  :      9.71      8.09      9.70      8.51      8.37     0.649     0.322     0.269
14.35     8.083
     Composite NOX :      0.126     0.157     0.279     0.188     0.159    0.021     0.035     0.451
1.73     0.195
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=23
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 23.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm
```

```
              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.146     0.149     0.251     0.175     0.191    0.029     0.067     0.302
2.31     0.183
     Composite CO  :      9.67      8.06      9.65      8.46      7.98     0.629     0.311     0.257
13.91     8.032
     Composite NOX :      0.124     0.155     0.276     0.186     0.160    0.021     0.035     0.444
1.75     0.193
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=25
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 25.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
```

```
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.141     0.144     0.243     0.170     0.174    0.027     0.063     0.283
2.23     0.176
     Composite CO  :      9.60      7.99      9.56      8.39      7.28     0.593     0.291     0.235
13.12     7.941
     Composite NOX :      0.122     0.152     0.271     0.183     0.163    0.020     0.034     0.431
1.79     0.189
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=29
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 29.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
```

```
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.132     0.137     0.231     0.161     0.148    0.025     0.058     0.249
2.08     0.164
     Composite CO  :      9.55      7.94      9.49      8.34      6.25     0.538     0.261     0.202
11.78     7.859
     Composite NOX :      0.118     0.147     0.263     0.177     0.168    0.019     0.033     0.416
1.87     0.184
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=30
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV
```

```
* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 30.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
             Maximum Temperature:  38.4 (F)
               Minimum Rel. Hum.:  58.2 (%)
               Maximum Rel. Hum.:  74.9 (%)
             Barometric Pressure: 29.80 (inches Hg)
                Nominal Fuel RVP:   6.8 psi
                   Weathered RVP:   6.8 psi
             Fuel Sulfur Content:   30. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  No

             User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.131     0.136     0.229     0.160     0.142    0.024     0.056     0.242
2.05     0.162
     Composite CO  :      9.54      7.94      9.48      8.33      6.04     0.527     0.255     0.195
11.50     7.843
     Composite NOX :      0.117     0.146     0.261     0.176     0.169    0.019     0.033     0.412
1.88     0.183
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
```

```
* Baltimore County speED=20
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 20.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
```

```
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.157     0.159     0.267     0.186     0.223    0.031     0.073     0.337
2.46     0.197
     Composite CO  :      9.80      8.19      9.82      8.60      9.28     0.695     0.347     0.298
15.37     8.201
     Composite NOX :      0.129     0.161     0.286     0.193     0.156    0.022     0.037     0.467
1.69     0.200
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=22
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 22.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No
```

```
              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.149     0.152     0.256     0.179     0.201    0.029     0.069     0.313
2.36     0.187
     Composite CO  :      9.71      8.09      9.70      8.51      8.37     0.649     0.322     0.269
14.35     8.083
     Composite NOX :      0.126     0.157     0.279     0.188     0.159    0.021     0.035     0.451
1.73     0.195
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=23
* File 1, Run 1, Scenario 15.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 23.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
```

```
                    Altitude:  Low
          Minimum Temperature:  29.8 (F)
          Maximum Temperature:  38.4 (F)
            Minimum Rel. Hum.:  58.2 (%)
            Maximum Rel. Hum.:  74.9 (%)
          Barometric Pressure: 29.80 (inches Hg)
             Nominal Fuel RVP:   6.8 psi
                Weathered RVP:   6.8 psi
          Fuel Sulfur Content:   30. ppm

          Exhaust I/M Program:  Yes
             Evap I/M Program:  Yes
                  ATP Program:  Yes
             Reformulated Gas:  No

          User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.146     0.149     0.251     0.175     0.191    0.029     0.067     0.302
2.31     0.183
     Composite CO  :      9.67      8.06      9.65      8.46      7.98     0.629     0.311     0.257
13.91     8.032
     Composite NOX :      0.124     0.155     0.276     0.186     0.160    0.021     0.035     0.444
1.75     0.193
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=25
* File 1, Run 1, Scenario 16.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 25.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
```

```
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.141     0.144     0.243     0.170     0.174    0.027     0.063     0.283
2.23     0.176
     Composite CO  :      9.60      7.99      9.56      8.39      7.28     0.593     0.291     0.235
13.12     7.941
     Composite NOX :      0.122     0.152     0.271     0.183     0.163    0.020     0.034     0.431
1.79     0.189
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=29
* File 1, Run 1, Scenario 17.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
```

```
  M583 Warning:
            The user supplied arterial average speed of 29.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.132     0.137     0.231     0.161     0.148    0.025     0.058     0.249
2.08     0.164
     Composite CO  :      9.55      7.94      9.49      8.34      6.25     0.538     0.261     0.202
11.78     7.859
     Composite NOX :      0.118     0.147     0.263     0.177     0.168    0.019     0.033     0.416
1.87     0.184
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=30
* File 1, Run 1, Scenario 18.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV
```

```
* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 30.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.131     0.136     0.229     0.160     0.142    0.024     0.056     0.242
2.05     0.162
```

```
     Composite CO  :      9.54      7.94      9.48      8.33      6.04     0.527     0.255     0.195
11.50     7.843
     Composite NOX :      0.117     0.146     0.261     0.176     0.169    0.019     0.033     0.412
1.88     0.183
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------
```

```
************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                           *
* Input file: RCNTY35W.INP (file 1, run 1).                            *
************************************************************************

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=45
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0040    0.0038    0.0038    0.0038    0.0081    ------    ------    ------
0.0205    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0021    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246
0.0040    0.0094
           Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0371    0.0273
                SO2:    0.0065    0.0087    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=46
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0040    0.0038    0.0038    0.0038    0.0081    ------    ------    ------
0.0205    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
```

```
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0021    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246
0.0040    0.0094
           Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0371    0.0273
                SO2:    0.0065    0.0087    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=47
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0040    0.0038    0.0038    0.0038    0.0081    ------    ------    ------
0.0205    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0021    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246
0.0040    0.0094
           Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0371    0.0273
                SO2:    0.0065    0.0087    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=45
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
```

```
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0035    0.0035    0.0035    0.0074    ------    ------    ------
0.0142    0.0034
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0021    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0247
0.0206    0.0126
                SO2:    0.0065    0.0087    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=46
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0035    0.0035    0.0035    0.0074    ------    ------    ------
0.0142    0.0034
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0021    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0247
0.0206    0.0126
                SO2:    0.0065    0.0087    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=47
```

```
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0035    0.0035    0.0035    0.0074    ------    ------    ------
0.0142    0.0034
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0021    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0247
0.0206    0.0126
                SO2:    0.0065    0.0087    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=20
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0036    0.0036    0.0036    0.0088    ------    ------    ------
0.0205    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0014    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0207    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
```

```
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246
0.0040    0.0094
            Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0372    0.0273
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=22
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                       Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0036    0.0036    0.0036    0.0087    ------    ------    ------
0.0205    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0004    0.0006    0.0006    0.0006    0.0015    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246
0.0040    0.0094
            Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0372    0.0273
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=23
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                       Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
```

```
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0038    0.0036    0.0036    0.0036    0.0086    ------    ------    ------
0.0205    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0004    0.0005    0.0006    0.0005    0.0015    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246
0.0040    0.0094
           Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0372    0.0273
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=25
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0038    0.0037    0.0037    0.0037    0.0085    ------    ------    ------
0.0205    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0004    0.0005    0.0005    0.0005    0.0016    0.0002    0.0002    0.0009
0.0001    0.0006
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246
0.0040    0.0094
           Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0372    0.0273
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0165    0.0029    0.0047    0.0136
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=29
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
```

```
                        Particle Size Cutoff: 10.00 Microns
                            Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0039    0.0037    0.0037    0.0037    0.0083    ------    ------    ------
0.0205    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0003    0.0005    0.0005    0.0005    0.0018    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246
0.0040    0.0094
           Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0371    0.0273
                SO2:    0.0065    0.0087    0.0115    0.0094    0.0165    0.0029    0.0047    0.0136
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=30
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                        Particle Size Cutoff: 10.00 Microns
                            Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0039    0.0037    0.0037    0.0037    0.0083    ------    ------    ------
0.0205    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0003    0.0005    0.0005    0.0005    0.0018    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246
0.0040    0.0094
           Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0371    0.0273
                SO2:    0.0065    0.0087    0.0115    0.0094    0.0165    0.0029    0.0047    0.0136
0.0033    0.0091
```

```
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=20
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0034    0.0033    0.0033    0.0033    0.0080    ------    ------    ------
0.0142    0.0032
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0014    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0144    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0113    0.0112    0.0168    0.0159    0.0159    0.0247
0.0207    0.0126
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=22
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0033    0.0033    0.0033    0.0079    ------    ------    ------
0.0142    0.0032
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
```

```
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0004    0.0006    0.0006    0.0006    0.0015    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0247
0.0207    0.0126
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=23
* File 1, Run 1, Scenario 15.
* # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0034    0.0034    0.0034    0.0078    ------    ------    ------
0.0142    0.0032
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0004    0.0005    0.0006    0.0005    0.0015    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0247
0.0207    0.0126
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=25
* File 1, Run 1, Scenario 16.
* # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
```

```
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0034    0.0034    0.0034    0.0078    ------    ------    ------
0.0142    0.0033
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0004    0.0005    0.0005    0.0005    0.0016    0.0002    0.0002    0.0009
0.0001    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0247
0.0207    0.0126
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0165    0.0029    0.0047    0.0136
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=29
* File 1, Run 1, Scenario 17.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0036    0.0034    0.0034    0.0034    0.0076    ------    ------    ------
0.0142    0.0033
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0003    0.0005    0.0005    0.0005    0.0018    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0247
0.0206    0.0126
                SO2:    0.0065    0.0087    0.0115    0.0094    0.0165    0.0029    0.0047    0.0136
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=30
```

```
* File 1, Run 1, Scenario 18.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0036    0.0034    0.0034    0.0034    0.0076    ------    ------    ------
0.0142    0.0033
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0003    0.0005    0.0005    0.0005    0.0018    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0247
0.0206    0.0126
                SO2:    0.0065    0.0087    0.0115    0.0094    0.0165    0.0029    0.0047    0.0136
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
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```
File      Run       Scenario  CY        EType     Pol #     Pol Name  LDGV      LDGT1     LDGT2     LDGT3     LDGT4     HDGV2B
          HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B    LDDV      LDDT12    HDDV2B    HDDV3     HDDV4
          HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B    MC        GAS BUS   URB BUS   COM BUS   LDDT34    ALL VEH   Month
          Altitude  TMin      Tmax      Nom RVP   Gas Sulfur          Dsl Sulfur          I/M?      Avg Spd   NGV?      E200
          E300      Arom      Olef      Benz      MTBE vol% MTBE MktFrac        ETBE vol% ETBE MktFrac        ETOH vol% ETOH
MktFrac   TAME vol% TAME MktFrac        Part Size Description
  1         1         1       2035      VMT       0         VMT           0.2812              0.1014              0.3373
              0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
              0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
              0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
              0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
              0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        45.0
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     10.00      Baltimore County speED=45
  1         1         1       2035       1        11            Lead      0.0000              0.0000              0.0000
              0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
              0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA            0.0000              0.0000              NA        NA
          NA            0.0000          1         1          29.8      38.4       6.8       30.       15.     Yes        45.0
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     10.00      Baltimore County speED=45
  1         1         1       2035       1        10           GASPM      0.0040              0.0038              0.0038
              0.0038              0.0038              0.0077              0.0082              0.0081              0.0098
              0.0096              0.0108              0.0117              0.0000          NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA            0.0205              0.0139              NA        NA
          NA            0.0036          1         1          29.8      38.4       6.8       30.       15.     Yes        45.0
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     10.00      Baltimore County speED=45
  1         1         1       2035       1         9         ECARBON  NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0071            0.0037
0.0029        0.0029              0.0028              0.0028              0.0061              0.0060              0.0080
              0.0109          NA        NA            0.0126              0.0128              0.0037              0.0008
          1         1          29.8      38.4       6.8       30.       15.     Yes        45.0     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
           Baltimore County speED=45
  1         1         1       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0020            0.0054
0.0030        0.0030              0.0029              0.0029              0.0048              0.0047              0.0063
              0.0034          NA        NA            0.0099              0.0100              0.0053              0.0004
          1         1          29.8      38.4       6.8       30.       15.     Yes        45.0     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
           Baltimore County speED=45
  1         1         1       2035       1         7            SO4      0.0002              0.0004              0.0004
              0.0004              0.0004              0.0021              0.0021              0.0021              0.0021
              0.0021              0.0021              0.0021              0.0000              0.0002              0.0002
              0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
              0.0010              0.0011              0.0001              0.0021              0.0015              0.0011
              0.0003              0.0005          1         1          29.8      38.4       6.8       30.       15.     Yes
           45.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000     10.00      Baltimore County speED=45
  1         1         1       2035       9        14           Brake      0.0125              0.0125              0.0125
              0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
              0.0125              0.0125              0.0125              0.0000              0.0125              0.0125
              0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
              0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
              0.0125              0.0125          1         1          29.8      38.4       6.8       30.       15.     Yes
           45.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     10.00      Baltimore County speED=45
  1         1         1       2035      10        15            Tire      0.0080              0.0080              0.0080
              0.0080              0.0080              0.0080              0.0120              0.0120              0.0120
              0.0120              0.0120              0.0360              0.0000              0.0080              0.0080
              0.0080              0.0120              0.0120              0.0120              0.0120              0.0120
              0.0360              0.0360              0.0040              0.0120              0.0120              0.0120
              0.0080              0.0094          1         1          29.8      38.4       6.8       30.       15.     Yes
           45.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     10.00      Baltimore County speED=45
  1         1         1       2035       1        12            SO2      0.0065              0.0084              0.0088
              0.0115              0.0115              0.0158              0.0170              0.0171              0.0201
              0.0198              0.0216              0.0228              0.0000              0.0029              0.0043
              0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
              0.0144              0.0151              0.0033              0.0251              0.0217              0.0153
              0.0056              0.0092          1         1          29.8      38.4       6.8       30.       15.     Yes
           45.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000     10.00      Baltimore County speED=45
  1         1         1       2035       1        13            NH3      0.0993              0.0993              0.1017
              0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
              0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
              0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
              0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
              0.0068              0.0916          1         1          29.8      38.4       6.8       30.       15.     Yes
           45.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000     10.00      Baltimore County speED=45
File      Run       Scenario  CY        EType     Pol #     Pol Name  LDGV      LDGT1     LDGT2     LDGT3     LDGT4     HDGV2B
          HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B    LDDV      LDDT12    HDDV2B    HDDV3     HDDV4
          HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B    MC        GAS BUS   URB BUS   COM BUS   LDDT34    ALL VEH   Month
          Altitude  TMin      Tmax      Nom RVP   Gas Sulfur          Dsl Sulfur          I/M?      Avg Spd   NGV?      E200
          E300      Arom      Olef      Benz      MTBE vol% MTBE MktFrac        ETBE vol% ETBE MktFrac        ETOH vol% ETOH
MktFrac   TAME vol% TAME MktFrac        Part Size Description
  1         1         1       2035      MPG       0         MPG          24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.4                 8.0
              8.1                 7.5                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1          1         1          29.8      38.4       6.8       30.       15.     Yes
```

45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=45
1 1 1 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 45.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=45
1 1 1 2035 1 1 VOC 0.118 0.095 0.141
0.216 0.215 0.096 0.091 0.084 0.093
0.092 0.098 0.104 0.000 0.020 0.037
0.076 0.086 0.101 0.109 0.134 0.167
0.191 0.209 1.762 0.128 0.172 0.207
0.059 0.146 1 1 29.8 38.4 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=45
1 1 1 2035 1 2 CO 10.294 8.259 8.839
10.343 10.589 4.509 5.825 5.660 6.611
6.544 7.778 8.283 0.000 0.448 0.192
0.064 0.074 0.086 0.093 0.095 0.119
0.163 0.179 8.990 9.454 0.218 0.147
0.253 8.484 1 1 29.8 38.4 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=45
1 1 1 2035 1 3 NOX 0.124 0.119 0.164
0.268 0.288 0.180 0.234 0.209 0.240
0.238 0.271 0.286 0.000 0.021 0.034
0.190 0.219 0.255 0.275 0.340 0.422
0.483 0.531 2.062 0.326 0.705 0.523
0.039 0.195 1 1 29.8 38.4 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=45
1 1 1 2035 1 4 CO2 368.0 479.4 479.4
624.5 624.5 875.4 944.4 948.5 1107.1
1089.5 1190.4 1254.3 0.0 314.1 460.4
785.2 872.7 997.6 1029.9 1168.3 1351.4
1544.1 1615.2 177.4 1374.9 2333.9 1646.6
598.6 568.3 1 1 29.8 38.4 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=45
1 1 1 2035 3 1 Hot Soak 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=45
1 1 1 2035 4 1 Diurnal 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=45
1 1 1 2035 5 1 Resting 0.012 0.005 0.005
0.010 0.010 0.011 0.011 0.011 0.011
0.011 0.011 0.011 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.015 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=45
1 1 1 2035 6 1 Running 0.024 0.014 0.015
0.023 0.023 0.025 0.025 0.022 0.022
0.022 0.022 0.022 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.039 0.000 0.000
0.000 0.017 1 1 29.8 38.4 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=45
1 1 1 2035 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=45
1 1 1 2035 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=45
1 1 1 2035 11 1 Total Evap 0.043 0.028
0.028 0.043 0.043 0.046 0.046 0.043 0.043
0.043 0.043 0.043 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.063 0.000 0.000

0.000 0.033 1 1 29.8 38.4 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=45
1 1 2 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 46.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 46.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 1 10 GASPM 0.0040 0.0038 0.0038
0.0038 0.0038 0.0077 0.0082 0.0081 0.0098
0.0096 0.0108 0.0117 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0139 NA NA
NA 0.0036 1 1 29.8 38.4 6.8 30. 15. Yes 46.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0071 0.0037
0.0029 0.0029 0.0028 0.0028 0.0061 0.0060 0.0080
0.0109 NA NA 0.0126 0.0128 0.0037 0.0008
1 1 29.8 38.4 6.8 30. 15. Yes 46.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=46
1 1 2 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0020 0.0054
0.0030 0.0030 0.0029 0.0029 0.0048 0.0047 0.0063
0.0034 NA NA 0.0099 0.0100 0.0053 0.0004
1 1 29.8 38.4 6.8 30. 15. Yes 46.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=46
1 1 2 2035 1 7 SO4 0.0002 0.0004 0.0004
0.0004 0.0004 0.0021 0.0021 0.0021
0.0021 0.0021 0.0021 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0021 0.0015 0.0011
0.0003 0.0005 1 1 29.8 38.4 6.8 30. 15. Yes
46.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 1 1 29.8 38.4 6.8 30. 15. Yes
46.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 1 1 29.8 38.4 6.8 30. 15. Yes
46.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 1 12 SO2 0.0065 0.0084 0.0088
0.0115 0.0115 0.0158 0.0170 0.0171 0.0201
0.0198 0.0216 0.0228 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0251 0.0217 0.0153
0.0056 0.0092 1 1 29.8 38.4 6.8 30. 15. Yes
46.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 1 13 NH3 0.0993 0.0993 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0916 1 1 29.8 38.4 6.8 30. 15. Yes
46.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.4 8.0
8.1 7.5 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
46.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 46.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=46

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1         1         2       2035       1         1         VOC           0.118               0.095               0.141
             0.216               0.214               0.095               0.089               0.083               0.091
             0.091               0.096               0.102               0.000               0.020               0.037
             0.074               0.085               0.099               0.107               0.133               0.164
             0.188               0.207               1.758               0.126               0.170               0.204
             0.059               0.145           1         1          29.8      38.4       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       1         2         CO           10.348               8.311               8.896
            10.415              10.662               4.541               5.866               5.700               6.658
             6.590               7.833               8.342               0.000               0.448               0.192
             0.064               0.074               0.086               0.093               0.095               0.118
             0.163               0.179               8.943               9.521               0.218               0.147
             0.253               8.536           1         1          29.8      38.4       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       1         3         NOX           0.124               0.120               0.165
             0.269               0.289               0.181               0.236               0.211               0.242
             0.240               0.273               0.288               0.000               0.022               0.035
             0.195               0.223               0.260               0.281               0.348               0.431
             0.494               0.542               2.088               0.328               0.720               0.534
             0.040               0.196           1         1          29.8      38.4       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       1         4         CO2           368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
            1544.1              1615.2               177.4              1374.9              2333.9              1646.6
             598.6               568.3           1         1          29.8      38.4       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       3         1        Hot Soak       0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000           1         1          29.8      38.4       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       4         1        Diurnal        0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000           1         1          29.8      38.4       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       5         1        Resting        0.012               0.005               0.005
             0.010               0.010               0.011               0.011               0.011               0.011
             0.011               0.011               0.011               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.015               0.000               0.000
             0.000               0.008           1         1          29.8      38.4       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       6         1        Running        0.023               0.014               0.014
             0.022               0.022               0.024               0.024               0.021               0.021
             0.021               0.021               0.021               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.038               0.000               0.000
             0.000               0.017           1         1          29.8      38.4       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.010               0.010
             0.010               0.010               0.010               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.009               0.000               0.000
             0.000               0.008           1         1          29.8      38.4       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       8         1        Refueling      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000          NA                  NA
         NA                  NA                  NA                  NA                  NA                  NA
         NA                  NA                  0.000               0.000               NA                  NA
         NA                  NA                  1         1          29.8      38.4       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035      11         1        Total Evap                0.042               0.027
0.028        0.042               0.042               0.045               0.045               0.042               0.042
             0.042               0.042               0.042               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.062               0.000               0.000
             0.000               0.032           1         1          29.8      38.4       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         3       2035     VMT       0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022         1         1         1          29.8      38.4       6.8       30.       15.     Yes        47.0
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        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035       1        11            Lead      0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA            0.0000              0.0000              NA        NA
        NA            0.0000         1         1          29.8      38.4       6.8       30.       15.     Yes        47.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035       1        10           GASPM      0.0040              0.0038              0.0038
            0.0038              0.0038              0.0077              0.0082              0.0081              0.0098
            0.0096              0.0108              0.0117              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA            0.0205              0.0139              NA        NA
        NA            0.0036         1         1          29.8      38.4       6.8       30.       15.     Yes        47.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035       1         9         ECARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0071              0.0037
0.0029      0.0029              0.0028              0.0028              0.0061              0.0060              0.0080
            0.0109              NA        NA        0.0126              0.0128              0.0037              0.0008
        1         1          29.8      38.4       6.8       30.       15.     Yes        47.0     No         0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
         Baltimore County speED=47
 1        1         3       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0020              0.0054
0.0030      0.0030              0.0029              0.0029              0.0048              0.0047              0.0063
            0.0034              NA        NA        0.0099              0.0100              0.0053              0.0004
        1         1          29.8      38.4       6.8       30.       15.     Yes        47.0     No         0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
         Baltimore County speED=47
 1        1         3       2035       1         7             SO4      0.0002              0.0004              0.0004
            0.0004              0.0004              0.0021              0.0021              0.0021              0.0021
            0.0021              0.0021              0.0021              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0001              0.0021              0.0015              0.0011
            0.0003              0.0005         1         1          29.8      38.4       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035       9        14           Brake      0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0000              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125         1         1          29.8      38.4       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035      10        15            Tire      0.0080              0.0080              0.0080
            0.0080              0.0080              0.0080              0.0120              0.0120              0.0120
            0.0120              0.0120              0.0360              0.0000              0.0080              0.0080
            0.0080              0.0120              0.0120              0.0120              0.0120              0.0120
            0.0360              0.0360              0.0040              0.0120              0.0120              0.0120
            0.0080              0.0094         1         1          29.8      38.4       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035       1        12             SO2      0.0065              0.0084              0.0088
            0.0115              0.0115              0.0158              0.0170              0.0171              0.0201
            0.0198              0.0216              0.0228              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0251              0.0217              0.0153
            0.0056              0.0092         1         1          29.8      38.4       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916         1         1          29.8      38.4       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035      MPG        0          MPG           24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.4                 8.0
              8.1                 7.5                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1         1         1          29.8      38.4       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035      VMT        0          VMT          0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022         1         1         1          29.8      38.4       6.8       30.       15.     Yes        47.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035       1         1          VOC           0.117               0.094               0.141
             0.216               0.213               0.093               0.087               0.081               0.089
             0.089               0.094               0.100               0.000               0.019               0.036
             0.073               0.084               0.098               0.106               0.131               0.162
             0.186               0.204               1.755               0.124               0.168               0.201
             0.058               0.145         1         1          29.8      38.4       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=47
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1         1         3       2035       1         2         CO           10.400               8.362               8.950
            10.483              10.731               4.572               5.905               5.739               6.703
             6.634               7.885               8.398               0.000               0.447               0.192
             0.064               0.074               0.086               0.093               0.095               0.118
             0.163               0.179               8.898               9.585               0.217               0.147
             0.253               8.585           1         1          29.8      38.4       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       1         3         NOX          0.125               0.121               0.166
             0.271               0.290               0.182               0.238               0.213               0.244
             0.241               0.275               0.290               0.000               0.022               0.035
             0.199               0.228               0.266               0.287               0.355               0.440
             0.504               0.553               2.112               0.331               0.735               0.545
             0.041               0.198           1         1          29.8      38.4       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       1         4         CO2          368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
            1544.1              1615.2               177.4              1374.9              2333.9              1646.6
             598.6               568.3           1         1          29.8      38.4       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       3         1        Hot Soak      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000           1         1          29.8      38.4       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       4         1        Diurnal       0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000           1         1          29.8      38.4       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       5         1        Resting       0.012               0.005               0.005
             0.010               0.010               0.011               0.011               0.011               0.011
             0.011               0.011               0.011               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.015               0.000               0.000
             0.000               0.008           1         1          29.8      38.4       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       6         1        Running       0.022               0.013               0.014
             0.022               0.022               0.023               0.023               0.020               0.020
             0.020               0.020               0.020               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.037               0.000               0.000
             0.000               0.016           1         1          29.8      38.4       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       7         1        Crankcase     0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.010               0.010
             0.010               0.010               0.010               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.009               0.000               0.000
             0.000               0.008           1         1          29.8      38.4       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       8         1        Refueling     0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000          NA                  NA
         NA                  NA                  NA                  NA                  NA                  NA
         NA                  NA                  0.000               0.000          NA                  NA
         NA                  NA                  1         1          29.8      38.4       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035      11         1        Total Evap              0.042               0.027
0.028        0.042               0.042               0.044               0.044               0.042               0.042
             0.042               0.042               0.042               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.060               0.000               0.000
             0.000               0.032           1         1          29.8      38.4       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         4       2035      VMT        0         VMT          0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022           1         1         1          29.8      38.4       6.8       30.       15.     Yes        45.0
         No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
         0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       1        11            Lead      0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
         NA        NA        NA        NA        NA        NA        0.0000              0.0000              NA        NA
         NA            0.0000          1         1          29.8      38.4       6.8       30.       15.     Yes        45.0
         No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
         0.000     0.000      2.50      Baltimore County speED=45
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1         1         4       2035       1        10           GASPM      0.0037              0.0035              0.0035
            0.0035              0.0035              0.0071              0.0075              0.0074              0.0089
            0.0088              0.0099              0.0107              0.0000          NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA              0.0142              0.0127          NA        NA
          NA            0.0034          1         1          29.8      38.4       6.8       30.       15.     Yes        45.0
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       1         9         ECARBON  NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0065            0.0034
0.0026        0.0026              0.0026              0.0026              0.0056              0.0055              0.0074
            0.0100          NA        NA              0.0116              0.0118              0.0034              0.0007
          1         1         29.8      38.4       6.8       30.       15.     Yes        45.0     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
           Baltimore County speED=45
1         1         4       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0018            0.0049
0.0027        0.0027              0.0027              0.0027              0.0044              0.0044              0.0058
            0.0032          NA        NA              0.0091              0.0092              0.0049              0.0004
          1         1         29.8      38.4       6.8       30.       15.     Yes        45.0     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
           Baltimore County speED=45
1         1         4       2035       1         7             SO4      0.0002              0.0004              0.0004
            0.0004              0.0004              0.0021              0.0021              0.0021              0.0021
            0.0021              0.0021              0.0021              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0001              0.0021              0.0015              0.0011
            0.0003              0.0005          1         1          29.8      38.4       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       9        14           Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053          1         1          29.8      38.4       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035      10        15            Tire      0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024          1         1          29.8      38.4       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       1        12             SO2      0.0065              0.0084              0.0088
            0.0115              0.0115              0.0158              0.0170              0.0171              0.0201
            0.0198              0.0216              0.0228              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0251              0.0217              0.0153
            0.0056              0.0092          1         1          29.8      38.4       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916          1         1          29.8      38.4       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035      MPG        0         MPG            24.1                18.5                18.5
              14.2                14.2                10.1                 9.4                 9.4                 8.0
               8.1                 7.5                 7.1                 0.0                32.4                22.1
              13.0                11.7                10.2                 9.9                 8.7                 7.5
               6.6                 6.3                50.0                 6.4                 4.4                 6.2
              17.0                16.1          1         1          29.8      38.4       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035      VMT        0         VMT            0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        45.0
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       1         1           VOC           0.118               0.095               0.141
             0.216               0.215               0.096               0.091               0.084               0.093
             0.092               0.098               0.104               0.000               0.020               0.037
             0.076               0.086               0.101               0.109               0.134               0.167
             0.191               0.209               1.762               0.128               0.172               0.207
             0.059               0.146          1         1          29.8      38.4       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       1         2            CO          10.294               8.259               8.839
            10.343              10.589               4.509               5.825               5.660               6.611
             6.544               7.778               8.283               0.000               0.448               0.192
             0.064               0.074               0.086               0.093               0.095               0.119
             0.163               0.179               8.990               9.454               0.218               0.147
             0.253               8.484          1         1          29.8      38.4       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       1         3           NOX           0.124               0.119               0.164
             0.268               0.288               0.180               0.234               0.209               0.240
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            0.238              0.271              0.286              0.000              0.021              0.034
            0.190              0.219              0.255              0.275              0.340              0.422
            0.483              0.531              2.062              0.326              0.705              0.523
            0.039              0.195          1        1          29.8      38.4       6.8       30.       15.     Yes
     45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore County speED=45
 1    1         4       2035       1         4         CO2          368.0              479.4              479.4
            624.5              624.5              875.4              944.4              948.5             1107.1
           1089.5             1190.4             1254.3                0.0              314.1              460.4
            785.2              872.7              997.6             1029.9             1168.3             1351.4
           1544.1             1615.2              177.4             1374.9             2333.9             1646.6
            598.6              568.3          1        1          29.8      38.4       6.8       30.       15.     Yes
     45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore County speED=45
 1    1         4       2035       3         1        Hot Soak      0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000          1        1          29.8      38.4       6.8       30.       15.     Yes
     45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore County speED=45
 1    1         4       2035       4         1        Diurnal       0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000          1        1          29.8      38.4       6.8       30.       15.     Yes
     45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore County speED=45
 1    1         4       2035       5         1        Resting       0.012              0.005              0.005
            0.010              0.010              0.011              0.011              0.011              0.011
            0.011              0.011              0.011              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.022              0.015              0.000              0.000
            0.000              0.008          1        1          29.8      38.4       6.8       30.       15.     Yes
     45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore County speED=45
 1    1         4       2035       6         1        Running       0.024              0.014              0.015
            0.023              0.023              0.025              0.025              0.022              0.022
            0.022              0.022              0.022              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.039              0.000              0.000
            0.000              0.017          1        1          29.8      38.4       6.8       30.       15.     Yes
     45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore County speED=45
 1    1         4       2035       7         1        Crankcase     0.008              0.009              0.009
            0.010              0.010              0.010              0.010              0.010              0.010
            0.010              0.010              0.010              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.009              0.000              0.000
            0.000              0.008          1        1          29.8      38.4       6.8       30.       15.     Yes
     45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore County speED=45
 1    1         4       2035       8         1        Refueling     0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000             NA                 NA
    NA                 NA                 NA                 NA                 NA                 NA
    NA                 NA                 0.000              0.000             NA                 NA
    NA                 NA                 1        1          29.8      38.4       6.8       30.       15.     Yes
     45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore County speED=45
 1    1         4       2035      11         1        Total Evap                0.043              0.028
0.028            0.043              0.043              0.046              0.046              0.043              0.043
            0.043              0.043              0.043              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.022              0.063              0.000              0.000
            0.000              0.033          1        1          29.8      38.4       6.8       30.       15.     Yes
     45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore County speED=45
 1    1         5       2035      VMT        0         VMT          0.2812             0.1014             0.3373
          0.1035             0.0476             0.0275             0.0010             0.0003             0.0010
          0.0020             0.0008             0.0000             0.0000             0.0000             0.0045
          0.0082             0.0025             0.0027             0.0013             0.0060             0.0087
          0.0103             0.0365             0.0024             0.0003             0.0037             0.0070
          0.0022         1        1          1         29.8      38.4       6.8       30.       15.     Yes        46.0
    No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
    0.000     0.000      2.50      Baltimore County speED=46
 1    1         5       2035       1        11            Lead      0.0000             0.0000             0.0000
          0.0000             0.0000             0.0000             0.0000             0.0000             0.0000
          0.0000             0.0000             0.0000             0.0000            NA        NA       NA        NA
    NA        NA        NA        NA        NA        NA          0.0000             0.0000            NA        NA
    NA            0.0000         1        1         29.8      38.4       6.8       30.       15.     Yes        46.0
    No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
    0.000     0.000      2.50      Baltimore County speED=46
 1    1         5       2035       1        10           GASPM      0.0037             0.0035             0.0035
          0.0035             0.0035             0.0071             0.0075             0.0074             0.0089
          0.0088             0.0099             0.0107             0.0000            NA        NA       NA        NA
    NA        NA        NA        NA        NA        NA          0.0142             0.0127            NA        NA
    NA            0.0034         1        1         29.8      38.4       6.8       30.       15.     Yes        46.0
    No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
    0.000     0.000      2.50      Baltimore County speED=46
 1    1         5       2035       1         9         ECARBON  NA        NA        NA        NA        NA        NA
    NA        NA        NA        NA        NA        NA        NA            0.0065             0.0034
0.0026       0.0026             0.0026             0.0026             0.0056             0.0055             0.0074
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            0.0100          NA        NA           0.0116              0.0118              0.0034              0.0007
        1         1          29.8      38.4       6.8       30.       15.     Yes        46.0     No         0.00      0.00
         0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=46
 1        1         5       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA        0.0018              0.0049
0.0027      0.0027              0.0027              0.0027              0.0044              0.0044              0.0058
            0.0032          NA        NA           0.0091              0.0092              0.0049              0.0004
        1         1          29.8      38.4       6.8       30.       15.     Yes        46.0     No         0.00      0.00
         0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=46
 1        1         5       2035       1         7             SO4      0.0002              0.0004              0.0004
            0.0004              0.0004              0.0021              0.0021              0.0021              0.0021
            0.0021              0.0021              0.0021              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0001              0.0021              0.0015              0.0011
            0.0003              0.0005          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       9        14             Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035      10        15             Tire       0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       1        12             SO2      0.0065              0.0084              0.0088
            0.0115              0.0115              0.0158              0.0170              0.0171              0.0201
            0.0198              0.0216              0.0228              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0251              0.0217              0.0153
            0.0056              0.0092          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035     MPG        0         MPG            24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.4                 8.0
              8.1                 7.5                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035     VMT        0         VMT            0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1          1         29.8      38.4       6.8       30.       15.     Yes        46.0
        No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       1         1         VOC            0.118               0.095               0.141
             0.216               0.214               0.095               0.089               0.083               0.091
             0.091               0.096               0.102               0.000               0.020               0.037
             0.074               0.085               0.099               0.107               0.133               0.164
             0.188               0.207               1.758               0.126               0.170               0.204
             0.059               0.145          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       1         2         CO            10.348               8.311               8.896
            10.415              10.662               4.541               5.866               5.700               6.658
             6.590               7.833               8.342               0.000               0.448               0.192
             0.064               0.074               0.086               0.093               0.095               0.118
             0.163               0.179               8.943               9.521               0.218               0.147
             0.253               8.536          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       1         3         NOX            0.124               0.120               0.165
             0.269               0.289               0.181               0.236               0.211               0.242
             0.240               0.273               0.288               0.000               0.022               0.035
             0.195               0.223               0.260               0.281               0.348               0.431
             0.494               0.542               2.088               0.328               0.720               0.534
             0.040               0.196          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       1         4         CO2            368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
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            1544.1             1615.2              177.4             1374.9              2333.9              1646.6
             598.6              568.3          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       3         1        Hot Soak       0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       4         1        Diurnal        0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       5         1        Resting        0.012               0.005               0.005
             0.010               0.010               0.011               0.011               0.011               0.011
             0.011               0.011               0.011               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.015               0.000               0.000
             0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       6         1        Running        0.023               0.014               0.014
             0.022               0.022               0.024               0.024               0.021               0.021
             0.021               0.021               0.021               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.038               0.000               0.000
             0.000               0.017          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.010               0.010
             0.010               0.010               0.010               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.009               0.000               0.000
             0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       8         1        Refueling      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000          NA                  NA
        NA                  NA                  NA                  NA                  NA                  NA
        NA                  NA                      0.000               0.000          NA                  NA
        NA                  NA                  1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035      11         1        Total Evap               0.042               0.027
0.028        0.042               0.042               0.045               0.045               0.042               0.042
             0.042               0.042               0.042               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.062               0.000               0.000
             0.000               0.032          1         1          29.8      38.4       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         6       2035      VMT        0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1          1         29.8      38.4       6.8       30.       15.     Yes        47.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=47
 1        1         6       2035       1        11            Lead       0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000          NA          NA          NA          NA
        NA          NA          NA          NA          NA          NA              0.0000              0.0000          NA          NA
        NA              0.0000          1         1          29.8      38.4       6.8       30.       15.     Yes        47.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=47
 1        1         6       2035       1        10           GASPM       0.0037              0.0035              0.0035
            0.0035              0.0035              0.0071              0.0075              0.0074              0.0089
            0.0088              0.0099              0.0107              0.0000          NA          NA          NA          NA
        NA          NA          NA          NA          NA          NA              0.0142              0.0127          NA          NA
        NA              0.0034          1         1          29.8      38.4       6.8       30.       15.     Yes        47.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=47
 1        1         6       2035       1         9         ECARBON  NA          NA          NA          NA          NA          NA
        NA          NA          NA          NA          NA          NA          NA              0.0065              0.0034
0.0026      0.0026              0.0026              0.0026              0.0056              0.0055              0.0074
            0.0100          NA          NA              0.0116              0.0118              0.0034              0.0007
        1         1          29.8      38.4       6.8       30.       15.     Yes        47.0     No         0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=47
 1        1         6       2035       1         8         OCARBON  NA          NA          NA          NA          NA          NA
        NA          NA          NA          NA          NA          NA          NA              0.0018              0.0049
0.0027      0.0027              0.0027              0.0027              0.0044              0.0044              0.0058
            0.0032          NA          NA              0.0091              0.0092              0.0049              0.0004
        1         1          29.8      38.4       6.8       30.       15.     Yes        47.0     No         0.00      0.00
```

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 0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
 Baltimore County speED=47
1         1         6       2035       1         7             SO4      0.0002              0.0004              0.0004
     0.0004              0.0004              0.0021              0.0021              0.0021              0.0021
     0.0021              0.0021              0.0021              0.0000              0.0002              0.0002
     0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
     0.0010              0.0011              0.0001              0.0021              0.0015              0.0011
     0.0003              0.0005          1         1          29.8      38.4       6.8       30.       15.     Yes
 47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       9        14           Brake      0.0053              0.0053              0.0053
     0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
     0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
     0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
     0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
     0.0053              0.0053          1         1          29.8      38.4       6.8       30.       15.     Yes
 47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035      10        15            Tire      0.0020              0.0020              0.0020
     0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
     0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
     0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
     0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
     0.0020              0.0024          1         1          29.8      38.4       6.8       30.       15.     Yes
 47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       1        12             SO2      0.0065              0.0084              0.0088
     0.0115              0.0115              0.0158              0.0170              0.0171              0.0201
     0.0198              0.0216              0.0228              0.0000              0.0029              0.0043
     0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
     0.0144              0.0151              0.0033              0.0251              0.0217              0.0153
     0.0056              0.0092          1         1          29.8      38.4       6.8       30.       15.     Yes
 47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       1        13             NH3      0.0993              0.0993              0.1017
     0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
     0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
     0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
     0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
     0.0068              0.0916          1         1          29.8      38.4       6.8       30.       15.     Yes
 47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       MPG       0           MPG       24.1                18.5                18.5
      14.2                14.2                10.1                 9.4                 9.4                 8.0
       8.1                 7.5                 7.1                 0.0                32.4                22.1
      13.0                11.7                10.2                 9.9                 8.7                 7.5
       6.6                 6.3                50.0                 6.4                 4.4                 6.2
      17.0                16.1          1         1          29.8      38.4       6.8       30.       15.     Yes
 47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       VMT       0           VMT      0.2812              0.1014              0.3373
     0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
     0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
     0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
     0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
     0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        47.0
No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       1         1           VOC       0.117               0.094               0.141
      0.216               0.213               0.093               0.087               0.081               0.089
      0.089               0.094               0.100               0.000               0.019               0.036
      0.073               0.084               0.098               0.106               0.131               0.162
      0.186               0.204               1.755               0.124               0.168               0.201
      0.058               0.145          1         1          29.8      38.4       6.8       30.       15.     Yes
 47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       1         2            CO      10.400               8.362               8.950
     10.483              10.731               4.572               5.905               5.739               6.703
      6.634               7.885               8.398               0.000               0.447               0.192
      0.064               0.074               0.086               0.093               0.095               0.118
      0.163               0.179               8.898               9.585               0.217               0.147
      0.253               8.585          1         1          29.8      38.4       6.8       30.       15.     Yes
 47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       1         3           NOX       0.125               0.121               0.166
      0.271               0.290               0.182               0.238               0.213               0.244
      0.241               0.275               0.290               0.000               0.022               0.035
      0.199               0.228               0.266               0.287               0.355               0.440
      0.504               0.553               2.112               0.331               0.735               0.545
      0.041               0.198          1         1          29.8      38.4       6.8       30.       15.     Yes
 47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       1         4           CO2       368.0               479.4               479.4
      624.5               624.5               875.4               944.4               948.5              1107.1
     1089.5              1190.4              1254.3                 0.0               314.1               460.4
      785.2               872.7               997.6              1029.9              1168.3              1351.4
     1544.1              1615.2               177.4              1374.9              2333.9              1646.6
      598.6               568.3          1         1          29.8      38.4       6.8       30.       15.     Yes
 47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       3         1        Hot Soak       0.000               0.000               0.000
      0.000               0.000               0.000               0.000               0.000               0.000
      0.000               0.000               0.000               0.000               0.000               0.000
      0.000               0.000               0.000               0.000               0.000               0.000
      0.000               0.000               0.000               0.000               0.000               0.000
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0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
47.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=47
1 1 6 2035 4 1 Diurnal 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
47.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=47
1 1 6 2035 5 1 Resting 0.012 0.005 0.005
0.010 0.010 0.011 0.011 0.011 0.011
0.011 0.011 0.011 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.015 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
47.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=47
1 1 6 2035 6 1 Running 0.022 0.013 0.014
0.022 0.022 0.023 0.023 0.020 0.020
0.020 0.020 0.020 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.037 0.000 0.000
0.000 0.016 1 1 29.8 38.4 6.8 30. 15. Yes
47.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=47
1 1 6 2035 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
47.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=47
1 1 6 2035 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
47.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=47
1 1 6 2035 11 1 Total Evap 0.042 0.027
0.028 0.042 0.042 0.044 0.044 0.042 0.042
0.042 0.042 0.042 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.060 0.000 0.000
0.000 0.032 1 1 29.8 38.4 6.8 30. 15. Yes
47.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=47
1 1 7 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 1 10 GASPM 0.0037 0.0036 0.0036
0.0036 0.0036 0.0084 0.0089 0.0088 0.0105
0.0103 0.0115 0.0124 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0146 NA NA
NA 0.0035 1 1 29.8 38.4 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA 0.0071 0.0037
0.0029 0.0029 0.0028 0.0028 0.0061 0.0060 0.0080
0.0109 NA NA 0.0126 0.0128 0.0037 0.0008
1 1 29.8 38.4 6.8 30. 15. Yes 20.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=20
1 1 7 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0020 0.0054
0.0030 0.0030 0.0029 0.0029 0.0048 0.0047 0.0063
0.0034 NA NA 0.0099 0.0100 0.0053 0.0004
1 1 29.8 38.4 6.8 30. 15. Yes 20.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=20
1 1 7 2035 1 7 SO4 0.0005 0.0006 0.0006
0.0006 0.0006 0.0013 0.0013 0.0014 0.0014
0.0014 0.0014 0.0014 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0014 0.0015 0.0011
0.0003 0.0006 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20

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1         1         7       2035       9        14           Brake      0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0000              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125          1         1          29.8      38.4       6.8       30.       15.     Yes
         20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=20
1         1         7       2035      10        15            Tire      0.0080              0.0080              0.0080
            0.0080              0.0080              0.0080              0.0120              0.0120              0.0120
            0.0120              0.0120              0.0360              0.0000              0.0080              0.0080
            0.0080              0.0120              0.0120              0.0120              0.0120              0.0120
            0.0360              0.0360              0.0040              0.0120              0.0120              0.0120
            0.0080              0.0094          1         1          29.8      38.4       6.8       30.       15.     Yes
         20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=20
1         1         7       2035       1        12             SO2      0.0064              0.0084              0.0088
            0.0115              0.0115              0.0160              0.0173              0.0173              0.0203
            0.0200              0.0219              0.0230              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0253              0.0217              0.0153
            0.0056              0.0091          1         1          29.8      38.4       6.8       30.       15.     Yes
         20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=20
1         1         7       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916          1         1          29.8      38.4       6.8       30.       15.     Yes
         20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=20
1         1         7       2035       MPG       0          MPG          24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.4                 8.0
              8.1                 7.5                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1          1         1          29.8      38.4       6.8       30.       15.     Yes
         20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=20
1         1         7       2035       VMT       0          VMT       0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        20.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=20
1         1         7       2035       1         1         VOC       0.157               0.121               0.170
             0.267               0.267               0.224               0.207               0.190               0.214
             0.213               0.230               0.248               0.000               0.031               0.061
             0.146               0.166               0.194               0.210               0.259               0.321
             0.368               0.404               2.464               0.302               0.333               0.399
             0.097               0.197          1         1          29.8      38.4       6.8       30.       15.     Yes
         20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=20
1         1         7       2035       1         2          CO       9.803               7.769               8.310
             9.744               9.981               8.594              11.100              10.787              12.600
            12.471              14.822              15.786               0.000               0.695               0.316
             0.131               0.150               0.175               0.189               0.194               0.241
             0.332               0.364              15.372              18.018               0.443               0.299
             0.409               8.201          1         1          29.8      38.4       6.8       30.       15.     Yes
         20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=20
1         1         7       2035       1         3          NOX       0.129               0.124               0.172
             0.280               0.300               0.147               0.191               0.171               0.197
             0.194               0.221               0.234               0.000               0.022               0.035
             0.196               0.225               0.262               0.283               0.350               0.434
             0.497               0.546               1.685               0.266               0.725               0.538
             0.040               0.200          1         1          29.8      38.4       6.8       30.       15.     Yes
         20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=20
1         1         7       2035       1         4          CO2       368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
            1544.1              1615.2               177.4              1374.9              2333.9              1646.6
             598.6               568.3          1         1          29.8      38.4       6.8       30.       15.     Yes
         20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=20
1         1         7       2035       3         1        Hot Soak      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=20
1         1         7       2035       4         1        Diurnal       0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
```

20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 5 1 Resting 0.012 0.005 0.005
0.010 0.010 0.011 0.011 0.011 0.011
0.011 0.011 0.011 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.015 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 6 1 Running 0.054 0.033 0.033
0.052 0.052 0.056 0.056 0.049 0.049
0.049 0.049 0.049 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.088 0.000 0.000
0.000 0.039 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 11 1 Total Evap 0.073 0.046
0.047 0.072 0.072 0.077 0.077 0.070 0.070
0.070 0.070 0.070 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.112 0.000 0.000
0.000 0.055 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 8 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 22.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 22.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 1 10 GASPM 0.0037 0.0036 0.0036
0.0036 0.0036 0.0083 0.0088 0.0087 0.0103
0.0102 0.0114 0.0123 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0145 NA NA
NA 0.0035 1 1 29.8 38.4 6.8 30. 15. Yes 22.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0071 0.0037
0.0029 0.0029 0.0028 0.0028 0.0061 0.0060 0.0080
0.0109 NA NA 0.0126 0.0128 0.0037 0.0008
1 1 29.8 38.4 6.8 30. 15. Yes 22.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=22
1 1 8 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0020 0.0054
0.0030 0.0030 0.0029 0.0029 0.0048 0.0047 0.0063
0.0034 NA NA 0.0099 0.0100 0.0053 0.0004
1 1 29.8 38.4 6.8 30. 15. Yes 22.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=22
1 1 8 2035 1 7 SO4 0.0004 0.0005 0.0006
0.0006 0.0006 0.0015 0.0015 0.0015 0.0015
0.0015 0.0015 0.0015 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0015 0.0015 0.0011
0.0003 0.0006 1 1 29.8 38.4 6.8 30. 15. Yes
22.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 1 1 29.8 38.4 6.8 30. 15. Yes
22.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=22

```
1         1         8       2035      10        15            Tire      0.0080              0.0080              0.0080
            0.0080              0.0080              0.0080              0.0120              0.0120              0.0120
            0.0120              0.0120              0.0360              0.0000              0.0080              0.0080
            0.0080              0.0120              0.0120              0.0120              0.0120              0.0120
            0.0360              0.0360              0.0040              0.0120              0.0120              0.0120
            0.0080              0.0094          1         1          29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       1        12             SO2      0.0064              0.0084              0.0088
            0.0115              0.0115              0.0159              0.0172              0.0173              0.0203
            0.0199              0.0218              0.0230              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0253              0.0217              0.0153
            0.0056              0.0091          1         1          29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916          1         1          29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035      MPG        0         MPG            24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.4                 8.0
              8.1                 7.5                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1          1         1          29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035      VMT        0         VMT      0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        22.0
        No         0.00      0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       1         1         VOC        0.149               0.116               0.163
             0.256               0.256               0.201               0.187               0.172               0.193
             0.192               0.207               0.222               0.000               0.029               0.057
             0.135               0.154               0.180               0.194               0.240               0.298
             0.341               0.374               2.356               0.272               0.308               0.370
             0.091               0.187          1         1          29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       1         2         CO         9.711               7.681               8.219
             9.625               9.861               7.753              10.014               9.732              11.367
            11.250              13.372              14.240               0.000               0.649               0.293
             0.119               0.136               0.158               0.171               0.176               0.218
             0.300               0.329              14.350              16.254               0.401               0.271
             0.380               8.083          1         1          29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       1         3         NOX        0.126               0.121               0.168
             0.273               0.293               0.150               0.195               0.175               0.200
             0.198               0.226               0.239               0.000               0.021               0.034
             0.189               0.217               0.253               0.273               0.338               0.419
             0.480               0.527               1.732               0.272               0.700               0.519
             0.039               0.195          1         1          29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       1         4         CO2        368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
            1544.1              1615.2               177.4              1374.9              2333.9              1646.6
             598.6               568.3          1         1          29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       3         1        Hot Soak      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       4         1        Diurnal      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       5         1        Resting      0.012               0.005               0.005
             0.010               0.010               0.011               0.011               0.011               0.011
             0.011               0.011               0.011               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.015               0.000               0.000
             0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
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22.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 6 1 Running 0.049 0.030 0.030
0.047 0.047 0.051 0.051 0.045 0.045
0.045 0.045 0.045 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.080 0.000 0.000
0.000 0.036 1 1 29.8 38.4 6.8 30. 15. Yes
22.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
22.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
22.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 11 1 Total Evap 0.068 0.043
0.044 0.068 0.068 0.072 0.072 0.066 0.066
0.066 0.066 0.066 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.104 0.000 0.000
0.000 0.051 1 1 29.8 38.4 6.8 30. 15. Yes
22.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=22
1 1 9 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 23.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 23.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 1 10 GASPM 0.0038 0.0036 0.0036
0.0036 0.0036 0.0083 0.0088 0.0086 0.0103
0.0102 0.0114 0.0122 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0145 NA NA
NA 0.0035 1 1 29.8 38.4 6.8 30. 15. Yes 23.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0071 0.0037
0.0029 0.0029 0.0028 0.0028 0.0061 0.0060 0.0080
0.0109 NA NA 0.0126 0.0128 0.0037 0.0008
1 1 29.8 38.4 6.8 30. 15. Yes 23.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=23
1 1 9 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0020 0.0054
0.0030 0.0030 0.0029 0.0029 0.0048 0.0047 0.0063
0.0034 NA NA 0.0099 0.0100 0.0053 0.0004
1 1 29.8 38.4 6.8 30. 15. Yes 23.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=23
1 1 9 2035 1 7 SO4 0.0004 0.0005 0.0006
0.0006 0.0006 0.0015 0.0015 0.0015 0.0015
0.0015 0.0015 0.0015 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0015 0.0015 0.0011
0.0003 0.0006 1 1 29.8 38.4 6.8 30. 15. Yes
23.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 1 1 29.8 38.4 6.8 30. 15. Yes
23.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 1 1 29.8 38.4 6.8 30. 15. Yes
23.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=23

```
1         1         9       2035       1        12             SO2      0.0064              0.0084              0.0088
            0.0115              0.0115              0.0159              0.0172              0.0173              0.0203
            0.0199              0.0218              0.0230              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0253              0.0217              0.0153
            0.0056              0.0091          1         1          29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916          1         1          29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035      MPG       0          MPG             24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.4                 8.0
              8.1                 7.5                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1          1         1          29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035      VMT       0          VMT          0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        23.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       1         1         VOC           0.146               0.114               0.160
             0.251               0.251               0.192               0.178               0.164               0.184
             0.183               0.197               0.211               0.000               0.029               0.056
             0.130               0.149               0.174               0.188               0.232               0.288
             0.329               0.361               2.309               0.259               0.298               0.357
             0.089               0.183          1         1          29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       1         2         CO            9.671               7.642               8.180
             9.573               9.808               7.387               9.541               9.272              10.830
            10.719              12.741              13.569               0.000               0.629               0.283
             0.113               0.129               0.151               0.163               0.167               0.208
             0.287               0.314              13.906              15.487               0.382               0.258
             0.367               8.032          1         1          29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       1         3         NOX           0.124               0.119               0.166
             0.270               0.290               0.151               0.197               0.176               0.202
             0.200               0.227               0.241               0.000               0.021               0.033
             0.186               0.214               0.249               0.269               0.332               0.412
             0.472               0.519               1.752               0.274               0.689               0.511
             0.038               0.193          1         1          29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       1         4         CO2           368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
            1544.1              1615.2               177.4              1374.9              2333.9              1646.6
             598.6               568.3          1         1          29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       3         1        Hot Soak       0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       4         1        Diurnal        0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       5         1        Resting        0.012               0.005               0.005
             0.010               0.010               0.011               0.011               0.011               0.011
             0.011               0.011               0.011               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.015               0.000               0.000
             0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       6         1        Running        0.047               0.028               0.029
             0.045               0.045               0.049               0.049               0.043               0.043
             0.043               0.043               0.043               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.077               0.000               0.000
             0.000               0.034          1         1          29.8      38.4       6.8       30.       15.     Yes
```

23.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
23.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
23.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 11 1 Total Evap 0.066 0.042
0.043 0.066 0.066 0.070 0.070 0.064 0.064
0.064 0.064 0.064 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.101 0.000 0.000
0.000 0.050 1 1 29.8 38.4 6.8 30. 15. Yes
23.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=23
1 1 10 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 1 10 GASPM 0.0038 0.0037 0.0037
0.0037 0.0037 0.0082 0.0087 0.0085 0.0102
0.0101 0.0113 0.0121 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0144 NA NA
NA 0.0036 1 1 29.8 38.4 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0071 0.0037
0.0029 0.0029 0.0028 0.0028 0.0061 0.0060 0.0080
0.0109 NA NA 0.0126 0.0128 0.0037 0.0008
1 1 29.8 38.4 6.8 30. 15. Yes 25.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=25
1 1 10 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0020 0.0054
0.0030 0.0030 0.0029 0.0029 0.0048 0.0047 0.0063
0.0034 NA NA 0.0099 0.0100 0.0053 0.0004
1 1 29.8 38.4 6.8 30. 15. Yes 25.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=25
1 1 10 2035 1 7 SO4 0.0004 0.0005 0.0005
0.0005 0.0005 0.0016 0.0016 0.0016 0.0016
0.0016 0.0016 0.0016 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0016 0.0015 0.0011
0.0003 0.0006 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 1 12 SO2 0.0064 0.0084 0.0088
0.0115 0.0115 0.0159 0.0172 0.0173 0.0202
0.0199 0.0218 0.0230 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0217 0.0153
0.0056 0.0091 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=25

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1         1        10       2035       1        13             NH3      0.0993              0.0993              0.1017
          0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
          0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
          0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
          0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
          0.0068              0.0916          1         1          29.8      38.4       6.8       30.       15.     Yes
       25.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035      MPG       0         MPG             24.1                18.5                18.5
            14.2                14.2                10.1                 9.4                 9.4                 8.0
             8.1                 7.5                 7.1                 0.0                32.4                22.1
            13.0                11.7                10.2                 9.9                 8.7                 7.5
             6.6                 6.3                50.0                 6.4                 4.4                 6.2
            17.0                16.1          1         1          29.8      38.4       6.8       30.       15.     Yes
       25.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035      VMT       0         VMT           0.2812              0.1014              0.3373
          0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
          0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
          0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
          0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
          0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        25.0
      No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       1         1         VOC           0.141               0.109               0.155
            0.243               0.243               0.175               0.162               0.149               0.167
            0.167               0.179               0.192               0.000               0.027               0.053
            0.122               0.140               0.163               0.176               0.217               0.269
            0.308               0.339               2.226               0.236               0.279               0.334
            0.084               0.176          1         1          29.8      38.4       6.8       30.       15.     Yes
       25.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       1         2         CO            9.600               7.575               8.111
            9.483               9.716               6.743               8.710               8.465               9.887
            9.785              11.631              12.386               0.000               0.593               0.265
            0.104               0.119               0.138               0.149               0.153               0.190
            0.262               0.288              13.125              14.138               0.350               0.236
            0.345               7.941          1         1          29.8      38.4       6.8       30.       15.     Yes
       25.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       1         3         NOX           0.122               0.117               0.163
            0.265               0.285               0.153               0.200               0.179               0.205
            0.203               0.231               0.244               0.000               0.020               0.032
            0.181               0.208               0.242               0.261               0.323               0.401
            0.459               0.504               1.788               0.278               0.669               0.497
            0.037               0.189          1         1          29.8      38.4       6.8       30.       15.     Yes
       25.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       1         4         CO2           368.0               479.4               479.4
            624.5               624.5               875.4               944.4               948.5              1107.1
           1089.5              1190.4              1254.3                 0.0               314.1               460.4
            785.2               872.7               997.6              1029.9              1168.3              1351.4
           1544.1              1615.2               177.4              1374.9              2333.9              1646.6
            598.6               568.3          1         1          29.8      38.4       6.8       30.       15.     Yes
       25.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       3         1        Hot Soak       0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
       25.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       4         1        Diurnal        0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
       25.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       5         1        Resting        0.012               0.005               0.005
            0.010               0.010               0.011               0.011               0.011               0.011
            0.011               0.011               0.011               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.022               0.015               0.000               0.000
            0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
       25.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       6         1        Running        0.043               0.026               0.027
            0.042               0.042               0.045               0.045               0.039               0.039
            0.039               0.039               0.039               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.071               0.000               0.000
            0.000               0.031          1         1          29.8      38.4       6.8       30.       15.     Yes
       25.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       7         1        Crankcase      0.008               0.009               0.009
            0.010               0.010               0.010               0.010               0.010               0.010
            0.010               0.010               0.010               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.009               0.000               0.000
            0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
```

25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 11 1 Total Evap 0.062 0.039
0.040 0.062 0.062 0.066 0.066 0.061 0.061
0.061 0.061 0.061 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.095 0.000 0.000
0.000 0.047 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=25
1 1 11 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 29.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 29.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 1 10 GASPM 0.0039 0.0037 0.0037
0.0037 0.0037 0.0080 0.0085 0.0083 0.0100
0.0099 0.0111 0.0119 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0142 NA NA
NA 0.0036 1 1 29.8 38.4 6.8 30. 15. Yes 29.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0071 0.0037
0.0029 0.0029 0.0028 0.0028 0.0061 0.0060 0.0080
0.0109 NA NA 0.0126 0.0128 0.0037 0.0008
1 1 29.8 38.4 6.8 30. 15. Yes 29.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=29
1 1 11 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0020 0.0054
0.0030 0.0030 0.0029 0.0029 0.0048 0.0047 0.0063
0.0034 NA NA 0.0099 0.0100 0.0053 0.0004
1 1 29.8 38.4 6.8 30. 15. Yes 29.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=29
1 1 11 2035 1 7 SO4 0.0003 0.0005 0.0005
0.0005 0.0005 0.0018 0.0018 0.0018 0.0018
0.0018 0.0018 0.0018 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0018 0.0015 0.0011
0.0003 0.0005 1 1 29.8 38.4 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 1 1 29.8 38.4 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 1 1 29.8 38.4 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 1 12 SO2 0.0065 0.0084 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0202
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0217 0.0153
0.0056 0.0091 1 1 29.8 38.4 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 1 13 NH3 0.0993 0.0993 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0916 1 1 29.8 38.4 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=29

```
1         1        11       2035      MPG       0         MPG            24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.4                 8.0
              8.1                 7.5                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1          1         1          29.8      38.4       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035      VMT       0         VMT           0.2812              0.1014              0.3373
           0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
           0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
           0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
           0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
           0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        29.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       1         1         VOC           0.132               0.104               0.148
           0.231               0.231               0.148               0.138               0.127               0.142
           0.141               0.151               0.162               0.000               0.025               0.048
           0.108               0.123               0.144               0.155               0.192               0.238
           0.272               0.299               2.077               0.199               0.246               0.295
           0.077               0.164          1         1          29.8      38.4       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       1         2         CO            9.553               7.531               8.068
           9.421               9.654               5.789               7.477               7.267               8.488
           8.401               9.985              10.634               0.000               0.538               0.237
           0.089               0.102               0.119               0.128               0.131               0.163
           0.225               0.247              11.779              12.137               0.300               0.203
           0.310               7.859          1         1          29.8      38.4       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       1         3         NOX           0.118               0.113               0.157
           0.257               0.277               0.159               0.207               0.185               0.212
           0.210               0.239               0.253               0.000               0.019               0.031
           0.174               0.200               0.233               0.252               0.311               0.386
           0.442               0.486               1.866               0.288               0.645               0.479
           0.036               0.184          1         1          29.8      38.4       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       1         4         CO2           368.0               479.4               479.4
           624.5               624.5               875.4               944.4               948.5              1107.1
          1089.5              1190.4              1254.3                 0.0               314.1               460.4
           785.2               872.7               997.6              1029.9              1168.3              1351.4
          1544.1              1615.2               177.4              1374.9              2333.9              1646.6
           598.6               568.3          1         1          29.8      38.4       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       3         1        Hot Soak       0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       4         1        Diurnal        0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       5         1        Resting        0.012               0.005               0.005
           0.010               0.010               0.011               0.011               0.011               0.011
           0.011               0.011               0.011               0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.022               0.015               0.000               0.000
           0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       6         1        Running        0.037               0.022               0.023
           0.036               0.036               0.039               0.039               0.034               0.034
           0.034               0.034               0.034               0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.000               0.061               0.000               0.000
           0.000               0.027          1         1          29.8      38.4       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       7         1        Crankcase      0.008               0.009               0.009
           0.010               0.010               0.010               0.010               0.010               0.010
           0.010               0.010               0.010               0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.000               0.009               0.000               0.000
           0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       8         1        Refueling      0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.000               0.000
        NA                  NA                  NA                  NA                  NA                  NA
        NA                  NA                  0.000               0.000               NA                  NA
        NA                  NA                  1         1          29.8      38.4       6.8       30.       15.     Yes
```

29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 11 1 Total Evap 0.057 0.036
0.037 0.056 0.056 0.060 0.060 0.055 0.055
0.055 0.055 0.055 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.085 0.000 0.000
0.000 0.042 1 1 29.8 38.4 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=29
1 1 12 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 1 10 GASPM 0.0039 0.0037 0.0037
0.0037 0.0037 0.0080 0.0084 0.0083 0.0100
0.0099 0.0111 0.0119 0.0000 NA NA NA NA
NA NA NA NA NA 0.0205 0.0142 NA NA
NA 0.0036 1 1 29.8 38.4 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0071 0.0037
0.0029 0.0029 0.0028 0.0028 0.0061 0.0060 0.0080
0.0109 NA NA 0.0126 0.0128 0.0037 0.0008
1 1 29.8 38.4 6.8 30. 15. Yes 30.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=30
1 1 12 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0020 0.0054
0.0030 0.0030 0.0029 0.0029 0.0048 0.0047 0.0063
0.0034 NA NA 0.0099 0.0100 0.0053 0.0004
1 1 29.8 38.4 6.8 30. 15. Yes 30.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=30
1 1 12 2035 1 7 SO4 0.0003 0.0005 0.0005
0.0005 0.0005 0.0018 0.0018 0.0018 0.0018
0.0018 0.0018 0.0018 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0019 0.0015 0.0011
0.0003 0.0005 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 1 12 SO2 0.0065 0.0084 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0202
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0217 0.0153
0.0056 0.0091 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 1 13 NH3 0.0993 0.0993 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0916 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.4 8.0
8.1 7.5 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=30

```
1         1        12       2035      VMT       0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        30.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       1         1         VOC           0.131               0.102               0.146
            0.229               0.229               0.143               0.133               0.123               0.137
            0.136               0.145               0.156               0.000               0.024               0.047
            0.105               0.120               0.140               0.151               0.186               0.231
            0.264               0.290               2.047               0.192               0.239               0.287
            0.075               0.162          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       1         2         CO            9.543               7.522               8.059
            9.408               9.641               5.590               7.221               7.017               8.196
            8.112               9.642              10.269               0.000               0.527               0.232
            0.086               0.098               0.114               0.124               0.127               0.158
            0.217               0.238              11.499              11.721               0.290               0.195
            0.303               7.843          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       1         3         NOX           0.117               0.112               0.156
            0.255               0.275               0.160               0.208               0.186               0.214
            0.212               0.241               0.254               0.000               0.019               0.031
            0.173               0.199               0.231               0.250               0.309               0.383
            0.439               0.482               1.882               0.290               0.640               0.475
            0.036               0.183          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       1         4         CO2         368.0               479.4               479.4
            624.5               624.5               875.4               944.4               948.5              1107.1
           1089.5              1190.4              1254.3                 0.0               314.1               460.4
            785.2               872.7               997.6              1029.9              1168.3              1351.4
           1544.1              1615.2               177.4              1374.9              2333.9              1646.6
            598.6               568.3          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       3         1        Hot Soak       0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       4         1        Diurnal        0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       5         1        Resting        0.012               0.005               0.005
            0.010               0.010               0.011               0.011               0.011               0.011
            0.011               0.011               0.011               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.022               0.015               0.000               0.000
            0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       6         1        Running        0.036               0.022               0.022
            0.035               0.035               0.038               0.038               0.033               0.033
            0.033               0.033               0.033               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.059               0.000               0.000
            0.000               0.026          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       7         1        Crankcase      0.008               0.009               0.009
            0.010               0.010               0.010               0.010               0.010               0.010
            0.010               0.010               0.010               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.009               0.000               0.000
            0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       8         1        Refueling      0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.000                NA                  NA
        NA                  NA                  NA                  NA                  NA                  NA
        NA                  NA                  0.000               0.000                NA                  NA
        NA                  NA                  1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035      11         1        Total Evap              0.055               0.035
0.036           0.055               0.055               0.059               0.059               0.054               0.054
            0.054               0.054               0.054               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.022               0.083               0.000               0.000
            0.000               0.042          1         1          29.8      38.4       6.8       30.       15.     Yes
```

30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=30
1 1 13 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 1 10 GASPM 0.0034 0.0033 0.0033
0.0033 0.0033 0.0077 0.0081 0.0080 0.0095
0.0094 0.0105 0.0113 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0142 0.0134 NA NA
NA 0.0032 1 1 29.8 38.4 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0065 0.0034
0.0026 0.0026 0.0026 0.0026 0.0056 0.0055 0.0074
0.0100 NA NA 0.0116 0.0118 0.0034 0.0007
1 1 29.8 38.4 6.8 30. 15. Yes 20.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore County speED=20
1 1 13 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0018 0.0049
0.0027 0.0027 0.0027 0.0027 0.0044 0.0044 0.0058
0.0032 NA NA 0.0091 0.0092 0.0049 0.0004
1 1 29.8 38.4 6.8 30. 15. Yes 20.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore County speED=20
1 1 13 2035 1 7 SO4 0.0005 0.0006 0.0006
0.0006 0.0006 0.0013 0.0013 0.0014 0.0014
0.0014 0.0014 0.0014 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0014 0.0015 0.0011
0.0003 0.0006 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 9 14 Brake 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0000 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 10 15 Tire 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0030 0.0030 0.0030
0.0030 0.0030 0.0090 0.0000 0.0020 0.0020
0.0020 0.0030 0.0030 0.0030 0.0030 0.0030
0.0090 0.0090 0.0010 0.0030 0.0030 0.0030
0.0020 0.0024 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 1 12 SO2 0.0064 0.0084 0.0088
0.0115 0.0115 0.0160 0.0173 0.0173 0.0203
0.0200 0.0219 0.0230 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0253 0.0217 0.0153
0.0056 0.0091 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 1 13 NH3 0.0993 0.0993 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0916 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.4 8.0
8.1 7.5 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=20

```
1         1        13       2035       1         1         VOC           0.157              0.121              0.170
             0.267              0.267              0.224              0.207              0.190              0.214
             0.213              0.230              0.248              0.000              0.031              0.061
             0.146              0.166              0.194              0.210              0.259              0.321
             0.368              0.404              2.464              0.302              0.333              0.399
             0.097              0.197          1         1          29.8      38.4       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1        13       2035       1         2         CO            9.803              7.769              8.310
             9.744              9.981              8.594             11.100             10.787             12.600
            12.471             14.822             15.786              0.000              0.695              0.316
             0.131              0.150              0.175              0.189              0.194              0.241
             0.332              0.364             15.372             18.018              0.443              0.299
             0.409              8.201          1         1          29.8      38.4       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1        13       2035       1         3         NOX           0.129              0.124              0.172
             0.280              0.300              0.147              0.191              0.171              0.197
             0.194              0.221              0.234              0.000              0.022              0.035
             0.196              0.225              0.262              0.283              0.350              0.434
             0.497              0.546              1.685              0.266              0.725              0.538
             0.040              0.200          1         1          29.8      38.4       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1        13       2035       1         4         CO2           368.0              479.4              479.4
             624.5              624.5              875.4              944.4              948.5             1107.1
            1089.5             1190.4             1254.3                0.0              314.1              460.4
             785.2              872.7              997.6             1029.9             1168.3             1351.4
            1544.1             1615.2              177.4             1374.9             2333.9             1646.6
             598.6              568.3          1         1          29.8      38.4       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1        13       2035       3         1        Hot Soak       0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1        13       2035       4         1        Diurnal        0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1        13       2035       5         1        Resting        0.012              0.005              0.005
             0.010              0.010              0.011              0.011              0.011              0.011
             0.011              0.011              0.011              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.022              0.015              0.000              0.000
             0.000              0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1        13       2035       6         1        Running        0.054              0.033              0.033
             0.052              0.052              0.056              0.056              0.049              0.049
             0.049              0.049              0.049              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.088              0.000              0.000
             0.000              0.039          1         1          29.8      38.4       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1        13       2035       7         1        Crankcase      0.008              0.009              0.009
             0.010              0.010              0.010              0.010              0.010              0.010
             0.010              0.010              0.010              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.009              0.000              0.000
             0.000              0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1        13       2035       8         1        Refueling      0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000          NA                 NA
         NA                 NA                 NA                 NA                 NA                 NA
         NA                 NA                 0.000              0.000              NA                 NA
         NA                 NA                 1         1          29.8      38.4       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1        13       2035      11         1        Total Evap                0.073              0.046
0.047        0.072              0.072              0.077              0.077              0.070              0.070
             0.070              0.070              0.070              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.022              0.112              0.000              0.000
             0.000              0.055          1         1          29.8      38.4       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1        14       2035     VMT         0         VMT           0.2812             0.1014             0.3373
            0.1035             0.0476             0.0275             0.0010             0.0003             0.0010
            0.0020             0.0008             0.0000             0.0000             0.0000             0.0045
            0.0082             0.0025             0.0027             0.0013             0.0060             0.0087
            0.0103             0.0365             0.0024             0.0003             0.0037             0.0070
            0.0022         1         1         1          29.8      38.4       6.8       30.       15.     Yes        22.0
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        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035       1        11            Lead      0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA            0.0000              0.0000              NA        NA
        NA            0.0000         1         1         29.8      38.4       6.8       30.       15.     Yes        22.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035       1        10           GASPM      0.0035              0.0034              0.0033
            0.0033              0.0033              0.0076              0.0080              0.0079              0.0094
            0.0093              0.0104              0.0112              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA            0.0142              0.0133              NA        NA
        NA            0.0032         1         1         29.8      38.4       6.8       30.       15.     Yes        22.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035       1         9         ECARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0065              0.0034
0.0026      0.0026              0.0026              0.0026              0.0056              0.0055              0.0074
            0.0100          NA        NA              0.0116              0.0118              0.0034              0.0007
        1        1         29.8      38.4       6.8       30.       15.     Yes        22.0     No         0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=22
 1        1        14       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0018              0.0049
0.0027      0.0027              0.0027              0.0027              0.0044              0.0044              0.0058
            0.0032          NA        NA              0.0091              0.0092              0.0049              0.0004
        1        1         29.8      38.4       6.8       30.       15.     Yes        22.0     No         0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=22
 1        1        14       2035       1         7             SO4      0.0004              0.0005              0.0006
            0.0006              0.0006              0.0015              0.0015              0.0015              0.0015
            0.0015              0.0015              0.0015              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0002              0.0015              0.0015              0.0011
            0.0003              0.0006         1         1         29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035       9        14           Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053         1         1         29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035      10        15            Tire      0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024         1         1         29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035       1        12             SO2      0.0064              0.0084              0.0088
            0.0115              0.0115              0.0159              0.0172              0.0173              0.0203
            0.0199              0.0218              0.0230              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0253              0.0217              0.0153
            0.0056              0.0091         1         1         29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916         1         1         29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035      MPG        0         MPG            24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.4                 8.0
              8.1                 7.5                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1         1         1         29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035      VMT        0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022         1         1         1         29.8      38.4       6.8       30.       15.     Yes        22.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035       1         1         VOC           0.149               0.116               0.163
             0.256               0.256               0.201               0.187               0.172               0.193
             0.192               0.207               0.222               0.000               0.029               0.057
             0.135               0.154               0.180               0.194               0.240               0.298
             0.341               0.374               2.356               0.272               0.308               0.370
             0.091               0.187         1         1         29.8      38.4       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=22
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1         1        14       2035       1         2         CO            9.711              7.681              8.219
             9.625              9.861              7.753             10.014              9.732             11.367
            11.250             13.372             14.240              0.000              0.649              0.293
             0.119              0.136              0.158              0.171              0.176              0.218
             0.300              0.329             14.350             16.254              0.401              0.271
             0.380              8.083          1         1          29.8      38.4       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       1         3         NOX           0.126              0.121              0.168
             0.273              0.293              0.150              0.195              0.175              0.200
             0.198              0.226              0.239              0.000              0.021              0.034
             0.189              0.217              0.253              0.273              0.338              0.419
             0.480              0.527              1.732              0.272              0.700              0.519
             0.039              0.195          1         1          29.8      38.4       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       1         4         CO2           368.0              479.4              479.4
             624.5              624.5              875.4              944.4              948.5             1107.1
            1089.5             1190.4             1254.3                0.0              314.1              460.4
             785.2              872.7              997.6             1029.9             1168.3             1351.4
            1544.1             1615.2              177.4             1374.9             2333.9             1646.6
             598.6              568.3          1         1          29.8      38.4       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       3         1        Hot Soak       0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       4         1        Diurnal        0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       5         1        Resting        0.012              0.005              0.005
             0.010              0.010              0.011              0.011              0.011              0.011
             0.011              0.011              0.011              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.022              0.015              0.000              0.000
             0.000              0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       6         1        Running        0.049              0.030              0.030
             0.047              0.047              0.051              0.051              0.045              0.045
             0.045              0.045              0.045              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.080              0.000              0.000
             0.000              0.036          1         1          29.8      38.4       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       7         1        Crankcase      0.008              0.009              0.009
             0.010              0.010              0.010              0.010              0.010              0.010
             0.010              0.010              0.010              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.009              0.000              0.000
             0.000              0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       8         1        Refueling      0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000          NA                 NA
         NA                 NA                 NA                 NA                 NA                 NA
         NA                 NA                 0.000              0.000              NA                 NA
         NA                 NA                 1         1          29.8      38.4       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035      11         1        Total Evap               0.068              0.043
0.044        0.068              0.068              0.072              0.072              0.066              0.066
             0.066              0.066              0.066              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.022              0.104              0.000              0.000
             0.000              0.051          1         1          29.8      38.4       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        15       2035      VMT        0         VMT           0.2812             0.1014             0.3373
            0.1035             0.0476             0.0275             0.0010             0.0003             0.0010
            0.0020             0.0008             0.0000             0.0000             0.0000             0.0045
            0.0082             0.0025             0.0027             0.0013             0.0060             0.0087
            0.0103             0.0365             0.0024             0.0003             0.0037             0.0070
            0.0022          1         1          1         29.8      38.4       6.8       30.       15.     Yes        23.0
         No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
         0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       1        11            Lead      0.0000             0.0000             0.0000
            0.0000             0.0000             0.0000             0.0000             0.0000             0.0000
            0.0000             0.0000             0.0000             0.0000          NA         NA         NA         NA
         NA         NA         NA         NA         NA         NA         0.0000             0.0000             NA         NA
         NA            0.0000          1         1          29.8      38.4       6.8       30.       15.     Yes        23.0
         No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
         0.000     0.000      2.50      Baltimore County speED=23
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1         1        15       2035       1        10           GASPM      0.0035              0.0034              0.0034
            0.0034              0.0034              0.0075              0.0080              0.0079              0.0094
            0.0093              0.0104              0.0112              0.0000          NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA              0.0142              0.0132          NA        NA
          NA            0.0032          1         1          29.8      38.4       6.8       30.       15.     Yes        23.0
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       1         9         ECARBON  NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0065            0.0034
0.0026      0.0026              0.0026              0.0026              0.0056              0.0055              0.0074
            0.0100          NA        NA              0.0116              0.0118              0.0034              0.0007
          1         1         29.8      38.4       6.8       30.       15.     Yes        23.0     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
           Baltimore County speED=23
1         1        15       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0018            0.0049
0.0027      0.0027              0.0027              0.0027              0.0044              0.0044              0.0058
            0.0032          NA        NA              0.0091              0.0092              0.0049              0.0004
          1         1         29.8      38.4       6.8       30.       15.     Yes        23.0     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
           Baltimore County speED=23
1         1        15       2035       1         7             SO4      0.0004              0.0005              0.0006
            0.0006              0.0006              0.0015              0.0015              0.0015              0.0015
            0.0015              0.0015              0.0015              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0002              0.0015              0.0015              0.0011
            0.0003              0.0006          1         1          29.8      38.4       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       9        14           Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053          1         1          29.8      38.4       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035      10        15            Tire      0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024          1         1          29.8      38.4       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       1        12             SO2      0.0064              0.0084              0.0088
            0.0115              0.0115              0.0159              0.0172              0.0173              0.0203
            0.0199              0.0218              0.0230              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0253              0.0217              0.0153
            0.0056              0.0091          1         1          29.8      38.4       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916          1         1          29.8      38.4       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035      MPG        0         MPG             24.1                18.5                18.5
              14.2                14.2                10.1                 9.4                 9.4                 8.0
               8.1                 7.5                 7.1                 0.0                32.4                22.1
              13.0                11.7                10.2                 9.9                 8.7                 7.5
               6.6                 6.3                50.0                 6.4                 4.4                 6.2
              17.0                16.1          1         1          29.8      38.4       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035      VMT        0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        23.0
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       1         1           VOC       0.146               0.114               0.160
             0.251               0.251               0.192               0.178               0.164               0.184
             0.183               0.197               0.211               0.000               0.029               0.056
             0.130               0.149               0.174               0.188               0.232               0.288
             0.329               0.361               2.309               0.259               0.298               0.357
             0.089               0.183          1         1          29.8      38.4       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       1         2            CO       9.671               7.642               8.180
             9.573               9.808               7.387               9.541               9.272              10.830
            10.719              12.741              13.569               0.000               0.629               0.283
             0.113               0.129               0.151               0.163               0.167               0.208
             0.287               0.314              13.906              15.487               0.382               0.258
             0.367               8.032          1         1          29.8      38.4       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       1         3           NOX       0.124               0.119               0.166
             0.270               0.290               0.151               0.197               0.176               0.202
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            0.200              0.227              0.241              0.000              0.021              0.033
            0.186              0.214              0.249              0.269              0.332              0.412
            0.472              0.519              1.752              0.274              0.689              0.511
            0.038              0.193          1        1         29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035       1         4         CO2          368.0              479.4              479.4
            624.5              624.5              875.4              944.4              948.5             1107.1
           1089.5             1190.4             1254.3               0.0              314.1              460.4
            785.2              872.7              997.6             1029.9             1168.3             1351.4
           1544.1             1615.2              177.4             1374.9             2333.9             1646.6
            598.6              568.3          1        1         29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035       3         1        Hot Soak      0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000          1        1         29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035       4         1        Diurnal       0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000          1        1         29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035       5         1        Resting       0.012              0.005              0.005
            0.010              0.010              0.011              0.011              0.011              0.011
            0.011              0.011              0.011              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.022              0.015              0.000              0.000
            0.000              0.008          1        1         29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035       6         1        Running       0.047              0.028              0.029
            0.045              0.045              0.049              0.049              0.043              0.043
            0.043              0.043              0.043              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.077              0.000              0.000
            0.000              0.034          1        1         29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035       7         1        Crankcase     0.008              0.009              0.009
            0.010              0.010              0.010              0.010              0.010              0.010
            0.010              0.010              0.010              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.009              0.000              0.000
            0.000              0.008          1        1         29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035       8         1        Refueling     0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000          NA                 NA
        NA                 NA                 NA                 NA                 NA                 NA
        NA                 NA                 0.000              0.000          NA                 NA
        NA                 NA                 1        1         29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035      11         1        Total Evap              0.066              0.042
0.043       0.066              0.066              0.070              0.070              0.064              0.064
            0.064              0.064              0.064              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.022              0.101              0.000              0.000
            0.000              0.050          1        1         29.8      38.4       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        16       2035     VMT        0         VMT          0.2812             0.1014             0.3373
          0.1035             0.0476             0.0275             0.0010             0.0003             0.0010
          0.0020             0.0008             0.0000             0.0000             0.0000             0.0045
          0.0082             0.0025             0.0027             0.0013             0.0060             0.0087
          0.0103             0.0365             0.0024             0.0003             0.0037             0.0070
          0.0022         1        1         1         29.8      38.4       6.8       30.       15.     Yes        25.0
        No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1        11            Lead      0.0000             0.0000             0.0000
          0.0000             0.0000             0.0000             0.0000             0.0000             0.0000
          0.0000             0.0000             0.0000             0.0000         NA         NA         NA         NA
        NA        NA        NA        NA        NA        NA         0.0000             0.0000             NA         NA
        NA            0.0000         1         1         29.8      38.4       6.8       30.       15.     Yes        25.0
        No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1        10           GASPM      0.0035             0.0034             0.0034
          0.0034             0.0034             0.0075             0.0079             0.0078             0.0093
          0.0092             0.0103             0.0111             0.0000         NA         NA         NA         NA
        NA        NA        NA        NA        NA        NA         0.0142             0.0132             NA         NA
        NA            0.0033         1         1         29.8      38.4       6.8       30.       15.     Yes        25.0
        No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1         9         ECARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA             0.0065             0.0034
0.0026      0.0026             0.0026             0.0026             0.0056             0.0055             0.0074
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            0.0100          NA        NA           0.0116              0.0118              0.0034              0.0007
        1         1          29.8      38.4       6.8       30.       15.     Yes        25.0     No         0.00      0.00
         0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=25
 1        1        16       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA        0.0018              0.0049
0.0027      0.0027              0.0027              0.0027              0.0044              0.0044              0.0058
            0.0032          NA        NA           0.0091              0.0092              0.0049              0.0004
        1         1          29.8      38.4       6.8       30.       15.     Yes        25.0     No         0.00      0.00
         0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=25
 1        1        16       2035       1         7             SO4      0.0004              0.0005              0.0005
            0.0005              0.0005              0.0016              0.0016              0.0016              0.0016
            0.0016              0.0016              0.0016              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0001              0.0016              0.0015              0.0011
            0.0003              0.0006           1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       9        14             Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053           1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035      10        15             Tire       0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024           1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1        12             SO2      0.0064              0.0084              0.0088
            0.0115              0.0115              0.0159              0.0172              0.0173              0.0202
            0.0199              0.0218              0.0230              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0252              0.0217              0.0153
            0.0056              0.0091           1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916           1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035     MPG        0         MPG          24.1                18.5                18.5
              14.2                14.2                10.1                 9.4                 9.4                 8.0
               8.1                 7.5                 7.1                 0.0                32.4                22.1
              13.0                11.7                10.2                 9.9                 8.7                 7.5
               6.6                 6.3                50.0                 6.4                 4.4                 6.2
              17.0                16.1           1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035     VMT        0         VMT          0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        25.0
        No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1         1         VOC          0.141               0.109               0.155
             0.243               0.243               0.175               0.162               0.149               0.167
             0.167               0.179               0.192               0.000               0.027               0.053
             0.122               0.140               0.163               0.176               0.217               0.269
             0.308               0.339               2.226               0.236               0.279               0.334
             0.084               0.176           1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1         2         CO           9.600               7.575               8.111
             9.483               9.716               6.743               8.710               8.465               9.887
             9.785              11.631              12.386               0.000               0.593               0.265
             0.104               0.119               0.138               0.149               0.153               0.190
             0.262               0.288              13.125              14.138               0.350               0.236
             0.345               7.941           1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1         3         NOX          0.122               0.117               0.163
             0.265               0.285               0.153               0.200               0.179               0.205
             0.203               0.231               0.244               0.000               0.020               0.032
             0.181               0.208               0.242               0.261               0.323               0.401
             0.459               0.504               1.788               0.278               0.669               0.497
             0.037               0.189           1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1         4         CO2          368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
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            1544.1             1615.2              177.4             1374.9             2333.9             1646.6
             598.6              568.3          1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       3         1        Hot Soak       0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       4         1        Diurnal        0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       5         1        Resting        0.012               0.005               0.005
             0.010               0.010               0.011               0.011               0.011               0.011
             0.011               0.011               0.011               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.015               0.000               0.000
             0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       6         1        Running        0.043               0.026               0.027
             0.042               0.042               0.045               0.045               0.039               0.039
             0.039               0.039               0.039               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.071               0.000               0.000
             0.000               0.031          1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.010               0.010
             0.010               0.010               0.010               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.009               0.000               0.000
             0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       8         1        Refueling      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000          NA                  NA
        NA                  NA                  NA                  NA                  NA                  NA
        NA                  NA                  0.000               0.000               NA                  NA
        NA                  NA                  1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035      11         1        Total Evap               0.062               0.039
0.040        0.062               0.062               0.066               0.066               0.061               0.061
             0.061               0.061               0.061               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.095               0.000               0.000
             0.000               0.047          1         1          29.8      38.4       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        17       2035      VMT        0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1          1         29.8      38.4       6.8       30.       15.     Yes        29.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=29
 1        1        17       2035       1        11            Lead       0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA            0.0000              0.0000          NA        NA
        NA            0.0000          1         1          29.8      38.4       6.8       30.       15.     Yes        29.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=29
 1        1        17       2035       1        10           GASPM       0.0036              0.0034              0.0034
            0.0034              0.0034              0.0073              0.0077              0.0076              0.0091
            0.0090              0.0101              0.0109              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA            0.0142              0.0130          NA        NA
        NA            0.0033          1         1          29.8      38.4       6.8       30.       15.     Yes        29.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=29
 1        1        17       2035       1         9         ECARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0065              0.0034
0.0026       0.0026              0.0026              0.0026              0.0056              0.0055              0.0074
            0.0100          NA        NA            0.0116              0.0118              0.0034              0.0007
        1         1          29.8      38.4       6.8       30.       15.     Yes        29.0     No         0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=29
 1        1        17       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0018              0.0049
0.0027       0.0027              0.0027              0.0027              0.0044              0.0044              0.0058
            0.0032          NA        NA            0.0091              0.0092              0.0049              0.0004
        1         1          29.8      38.4       6.8       30.       15.     Yes        29.0     No         0.00      0.00
```

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        0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
        Baltimore County speED=29
1        1        17       2035       1         7             SO4      0.0003             0.0005             0.0005
           0.0005             0.0005             0.0018             0.0018             0.0018             0.0018
           0.0018             0.0018             0.0018             0.0000             0.0002             0.0002
           0.0005             0.0006             0.0007             0.0007             0.0008             0.0009
           0.0010             0.0011             0.0001             0.0018             0.0015             0.0011
           0.0003             0.0005          1         1          29.8      38.4       6.8       30.       15.     Yes
        29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
       0.000     0.000     0.000      2.50      Baltimore County speED=29
1        1        17       2035       9        14           Brake      0.0053             0.0053             0.0053
           0.0053             0.0053             0.0053             0.0053             0.0053             0.0053
           0.0053             0.0053             0.0053             0.0000             0.0053             0.0053
           0.0053             0.0053             0.0053             0.0053             0.0053             0.0053
           0.0053             0.0053             0.0053             0.0053             0.0053             0.0053
           0.0053             0.0053          1         1          29.8      38.4       6.8       30.       15.     Yes
        29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
       0.000     0.000     0.000      2.50      Baltimore County speED=29
1        1        17       2035      10        15            Tire      0.0020             0.0020             0.0020
           0.0020             0.0020             0.0020             0.0030             0.0030             0.0030
           0.0030             0.0030             0.0090             0.0000             0.0020             0.0020
           0.0020             0.0030             0.0030             0.0030             0.0030             0.0030
           0.0090             0.0090             0.0010             0.0030             0.0030             0.0030
           0.0020             0.0024          1         1          29.8      38.4       6.8       30.       15.     Yes
        29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
       0.000     0.000     0.000      2.50      Baltimore County speED=29
1        1        17       2035       1        12             SO2      0.0065             0.0084             0.0088
           0.0115             0.0115             0.0158             0.0171             0.0172             0.0202
           0.0198             0.0217             0.0229             0.0000             0.0029             0.0043
           0.0073             0.0081             0.0093             0.0096             0.0109             0.0126
           0.0144             0.0151             0.0033             0.0252             0.0217             0.0153
           0.0056             0.0091          1         1          29.8      38.4       6.8       30.       15.     Yes
        29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
       0.000     0.000     0.000      2.50      Baltimore County speED=29
1        1        17       2035       1        13             NH3      0.0993             0.0993             0.1017
           0.1017             0.1017             0.0451             0.0451             0.0451             0.0451
           0.0451             0.0451             0.0451             0.0000             0.0068             0.0068
           0.0270             0.0270             0.0270             0.0270             0.0270             0.0270
           0.0270             0.0270             0.0113             0.0451             0.0270             0.0270
           0.0068             0.0916          1         1          29.8      38.4       6.8       30.       15.     Yes
        29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
       0.000     0.000     0.000      2.50      Baltimore County speED=29
1        1        17       2035     MPG        0         MPG         24.1               18.5               18.5
             14.2               14.2               10.1                9.4                9.4                8.0
              8.1                7.5                7.1                0.0               32.4               22.1
             13.0               11.7               10.2                9.9                8.7                7.5
              6.6                6.3               50.0                6.4                4.4                6.2
             17.0               16.1          1         1          29.8      38.4       6.8       30.       15.     Yes
        29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
       0.000     0.000     0.000      2.50      Baltimore County speED=29
1        1        17       2035     VMT        0         VMT       0.2812             0.1014             0.3373
           0.1035             0.0476             0.0275             0.0010             0.0003             0.0010
           0.0020             0.0008             0.0000             0.0000             0.0000             0.0045
           0.0082             0.0025             0.0027             0.0013             0.0060             0.0087
           0.0103             0.0365             0.0024             0.0003             0.0037             0.0070
           0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        29.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
       0.000     0.000      2.50      Baltimore County speED=29
1        1        17       2035       1         1         VOC        0.132              0.104              0.148
             0.231              0.231              0.148              0.138              0.127              0.142
             0.141              0.151              0.162              0.000              0.025              0.048
             0.108              0.123              0.144              0.155              0.192              0.238
             0.272              0.299              2.077              0.199              0.246              0.295
             0.077              0.164          1         1          29.8      38.4       6.8       30.       15.     Yes
        29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
       0.000     0.000     0.000      2.50      Baltimore County speED=29
1        1        17       2035       1         2          CO        9.553              7.531              8.068
             9.421              9.654              5.789              7.477              7.267              8.488
             8.401              9.985             10.634              0.000              0.538              0.237
             0.089              0.102              0.119              0.128              0.131              0.163
             0.225              0.247             11.779             12.137              0.300              0.203
             0.310              7.859          1         1          29.8      38.4       6.8       30.       15.     Yes
        29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
       0.000     0.000     0.000      2.50      Baltimore County speED=29
1        1        17       2035       1         3         NOX        0.118              0.113              0.157
             0.257              0.277              0.159              0.207              0.185              0.212
             0.210              0.239              0.253              0.000              0.019              0.031
             0.174              0.200              0.233              0.252              0.311              0.386
             0.442              0.486              1.866              0.288              0.645              0.479
             0.036              0.184          1         1          29.8      38.4       6.8       30.       15.     Yes
        29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
       0.000     0.000     0.000      2.50      Baltimore County speED=29
1        1        17       2035       1         4         CO2        368.0              479.4              479.4
             624.5              624.5              875.4              944.4              948.5             1107.1
            1089.5             1190.4             1254.3                0.0              314.1              460.4
             785.2              872.7              997.6             1029.9             1168.3             1351.4
            1544.1             1615.2              177.4             1374.9             2333.9             1646.6
             598.6              568.3          1         1          29.8      38.4       6.8       30.       15.     Yes
        29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
       0.000     0.000     0.000      2.50      Baltimore County speED=29
1        1        17       2035       3         1        Hot Soak       0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
```

0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=29
1 1 17 2035 4 1 Diurnal 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=29
1 1 17 2035 5 1 Resting 0.012 0.005 0.005
0.010 0.010 0.011 0.011 0.011 0.011
0.011 0.011 0.011 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.015 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=29
1 1 17 2035 6 1 Running 0.037 0.022 0.023
0.036 0.036 0.039 0.039 0.034 0.034
0.034 0.034 0.034 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.061 0.000 0.000
0.000 0.027 1 1 29.8 38.4 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=29
1 1 17 2035 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=29
1 1 17 2035 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=29
1 1 17 2035 11 1 Total Evap 0.057 0.036
0.037 0.056 0.056 0.060 0.060 0.055 0.055
0.055 0.055 0.055 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.085 0.000 0.000
0.000 0.042 1 1 29.8 38.4 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=29
1 1 18 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 1 10 GASPM 0.0036 0.0034 0.0034
0.0034 0.0034 0.0073 0.0077 0.0076 0.0091
0.0090 0.0101 0.0109 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0142 0.0130 NA NA
NA 0.0033 1 1 29.8 38.4 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA 0.0065 0.0034
0.0026 0.0026 0.0026 0.0026 0.0056 0.0055 0.0074
0.0100 NA NA 0.0116 0.0118 0.0034 0.0007
1 1 29.8 38.4 6.8 30. 15. Yes 30.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore County speED=30
1 1 18 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0018 0.0049
0.0027 0.0027 0.0027 0.0027 0.0044 0.0044 0.0058
0.0032 NA NA 0.0091 0.0092 0.0049 0.0004
1 1 29.8 38.4 6.8 30. 15. Yes 30.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore County speED=30
1 1 18 2035 1 7 SO4 0.0003 0.0005 0.0005
0.0005 0.0005 0.0018 0.0018 0.0018 0.0018
0.0018 0.0018 0.0018 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0019 0.0015 0.0011
0.0003 0.0005 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30

1 1 18 2035 9 14 Brake 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0000 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 10 15 Tire 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0030 0.0030 0.0030
0.0030 0.0030 0.0090 0.0000 0.0020 0.0020
0.0020 0.0030 0.0030 0.0030 0.0030 0.0030
0.0090 0.0090 0.0010 0.0030 0.0030 0.0030
0.0020 0.0024 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 1 12 SO2 0.0065 0.0084 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0202
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0217 0.0153
0.0056 0.0091 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 1 13 NH3 0.0993 0.0993 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0916 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.4 8.0
8.1 7.5 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 1 1 VOC 0.131 0.102 0.146
0.229 0.229 0.143 0.133 0.123 0.137
0.136 0.145 0.156 0.000 0.024 0.047
0.105 0.120 0.140 0.151 0.186 0.231
0.264 0.290 2.047 0.192 0.239 0.287
0.075 0.162 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 1 2 CO 9.543 7.522 8.059
9.408 9.641 5.590 7.221 7.017 8.196
8.112 9.642 10.269 0.000 0.527 0.232
0.086 0.098 0.114 0.124 0.127 0.158
0.217 0.238 11.499 11.721 0.290 0.195
0.303 7.843 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 1 3 NOX 0.117 0.112 0.156
0.255 0.275 0.160 0.208 0.186 0.214
0.212 0.241 0.254 0.000 0.019 0.031
0.173 0.199 0.231 0.250 0.309 0.383
0.439 0.482 1.882 0.290 0.640 0.475
0.036 0.183 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 1 4 CO2 368.0 479.4 479.4
624.5 624.5 875.4 944.4 948.5 1107.1
1089.5 1190.4 1254.3 0.0 314.1 460.4
785.2 872.7 997.6 1029.9 1168.3 1351.4
1544.1 1615.2 177.4 1374.9 2333.9 1646.6
598.6 568.3 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 3 1 Hot Soak 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 4 1 Diurnal 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes

30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 5 1 Resting 0.012 0.005 0.005
0.010 0.010 0.011 0.011 0.011 0.011
0.011 0.011 0.011 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.015 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 6 1 Running 0.036 0.022 0.022
0.035 0.035 0.038 0.038 0.033 0.033
0.033 0.033 0.033 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.059 0.000 0.000
0.000 0.026 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 11 1 Total Evap 0.055 0.035
0.036 0.055 0.055 0.059 0.059 0.054 0.054
0.054 0.054 0.054 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.083 0.000 0.000
0.000 0.042 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: RCNTY35S.INP (file 1, run 1).                             *
*************************************************************************
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


* Reading I/M program description records from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\IM2035.D
*IM Program.  Idle, IM240, and OBD.
*Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

* Reading non-default I/M CUTPOINTS from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\CUTPNT35.D
*CY 2018.
*EPA Final Cutpoints.

  Reading User Supplied Tier2 Exhaust bin phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11


  Reading User Supplied Tier2 EVAP phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11


  Reading User Supplied Tier2 50K certification standards

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIStd.d


* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11

* Reading Registration Distributions from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\REGDAT05.BAL
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M614 Comment:
               User supplied diesel sale fractions.

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=45
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M582 Warning:
            The user supplied freeway average speed of 45.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to a fixed combination of freeways
            and freeway ramps for all hours of the day and all
             vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102S.DEF
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
 HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

* Reading Ammonia (NH3) Basic Emissiion Rates
* from the external data file PMNH3BER.D

* Reading Ammonia (NH3) Sulfur Deterioration Rates
* from the external data file PMNH3SDR.D

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.139     0.132     0.214     0.153     0.125    0.020     0.045     0.175
1.89     0.153
     Composite CO  :      5.23      5.00      6.19      5.31      4.14     0.451     0.215     0.146
7.73     4.770
     Composite NOX :      0.098     0.126     0.214     0.149     0.182    0.021     0.036     0.454
1.49     0.165
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=46
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
```

```
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M582 Warning:
            The user supplied freeway average speed of 46.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to a fixed combination of freeways
            and freeway ramps for all hours of the day and all
             vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.138     0.132     0.213     0.152     0.123    0.020     0.045     0.172
1.89     0.152
     Composite CO  :      5.27      5.05      6.25      5.35      4.17     0.451     0.215     0.146
7.69     4.811
```

```
     Composite NOX :      0.099     0.127     0.215     0.150     0.184    0.022     0.037     0.464
1.51     0.166
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=47
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M582 Warning:
            The user supplied freeway average speed of 47.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to a fixed combination of freeways
            and freeway ramps for all hours of the day and all
             vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.137     0.131     0.212     0.152     0.121    0.020     0.044     0.170
1.88     0.152
     Composite CO  :      5.31      5.09      6.30      5.40      4.20     0.450     0.215     0.146
7.64     4.849
     Composite NOX :      0.099     0.128     0.216     0.150     0.185    0.022     0.037     0.473
1.53     0.168
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=45
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M582 Warning:
            The user supplied freeway average speed of 45.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to a fixed combination of freeways
            and freeway ramps for all hours of the day and all
             vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
```

```
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.139     0.132     0.214     0.153     0.125    0.020     0.045     0.175
1.89     0.153
     Composite CO  :      5.23      5.00      6.19      5.31      4.14     0.451     0.215     0.146
7.73     4.770
     Composite NOX :      0.098     0.126     0.214     0.149     0.182    0.021     0.036     0.454
1.49     0.165
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=46
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M582 Warning:
            The user supplied freeway average speed of 46.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to a fixed combination of freeways
            and freeway ramps for all hours of the day and all
             vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102F.DEF

  Reading User Supplied ROADWAY VMT Factors
```

```
* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.138     0.132     0.213     0.152     0.123    0.020     0.045     0.172
1.89     0.152
     Composite CO  :      5.27      5.05      6.25      5.35      4.17     0.451     0.215     0.146
7.69     4.811
     Composite NOX :      0.099     0.127     0.215     0.150     0.184    0.022     0.037     0.464
1.51     0.166
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=47
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M582 Warning:
            The user supplied freeway average speed of 47.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to a fixed combination of freeways
```

```
            and freeway ramps for all hours of the day and all
             vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003102S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.137     0.131     0.212     0.152     0.121    0.020     0.044     0.170
1.88     0.152
     Composite CO  :      5.31      5.09      6.30      5.40      4.20     0.450     0.215     0.146
7.64     4.849
     Composite NOX :      0.099     0.128     0.216     0.150     0.185    0.022     0.037     0.473
1.53     0.168
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=20
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV
```

```
* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 20.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.187     0.167     0.269     0.193     0.240    0.031     0.074     0.337
2.59     0.210
     Composite CO  :      4.85      4.60      5.72      4.89      7.87     0.699     0.350     0.297
13.98     4.568
     Composite NOX :      0.108     0.133     0.225     0.157     0.149    0.022     0.037     0.467
1.22     0.171
```

```
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=22
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 22.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
```

```
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.179     0.160     0.258     0.185     0.221    0.030     0.070     0.312
2.48     0.200
     Composite CO  :      4.78      4.53      5.63      4.81      7.10     0.653     0.325     0.269
12.98     4.471
     Composite NOX :      0.104     0.130     0.219     0.152     0.152    0.021     0.036     0.451
1.25     0.167
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=23
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 23.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm
```

```
              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.175     0.157     0.253     0.182     0.213    0.029     0.068     0.302
2.43     0.196
     Composite CO  :      4.75      4.50      5.58      4.78      6.76     0.632     0.314     0.257
12.54     4.429
     Composite NOX :      0.103     0.128     0.216     0.151     0.153    0.021     0.035     0.444
1.26     0.165
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=25
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 25.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
```

```
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.169     0.152     0.245     0.176     0.198    0.028     0.064     0.283
2.35     0.188
     Composite CO  :      4.69      4.44      5.51      4.71      6.17     0.597     0.294     0.235
11.78     4.354
     Composite NOX :      0.100     0.125     0.212     0.147     0.155    0.020     0.034     0.431
1.29     0.161
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=29
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 29.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
```

```
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.160     0.144     0.233     0.167     0.175    0.025     0.058     0.249
2.20     0.176
     Composite CO  :      4.66      4.40      5.46      4.67      5.30     0.542     0.264     0.201
10.46     4.284
     Composite NOX :      0.096     0.121     0.205     0.142     0.161    0.020     0.033     0.415
1.34     0.156
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=30
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV
```

```
* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 30.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.158     0.143     0.231     0.165     0.170    0.025     0.057     0.242
2.17     0.174
     Composite CO  :      4.65      4.39      5.45      4.67      5.12     0.530     0.258     0.194
10.19     4.270
     Composite NOX :      0.095     0.120     0.203     0.141     0.162    0.019     0.033     0.412
1.36     0.155
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
```

```
* Baltimore County speED=20
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 20.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
```

```
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.187     0.167     0.269     0.193     0.240    0.031     0.074     0.337
2.59     0.210
     Composite CO  :      4.85      4.60      5.72      4.89      7.87     0.699     0.350     0.297
13.98     4.568
     Composite NOX :      0.108     0.133     0.225     0.157     0.149    0.022     0.037     0.467
1.22     0.171
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=22
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 22.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No
```

```
              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.179     0.160     0.258     0.185     0.221    0.030     0.070     0.312
2.48     0.200
     Composite CO  :      4.78      4.53      5.63      4.81      7.10     0.653     0.325     0.269
12.98     4.471
     Composite NOX :      0.104     0.130     0.219     0.152     0.152    0.021     0.036     0.451
1.25     0.167
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=23
* File 1, Run 1, Scenario 15.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 23.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  July
```

```
                    Altitude:  Low
          Minimum Temperature:  30.3 (F)
          Maximum Temperature:  83.8 (F)
            Minimum Rel. Hum.:  58.2 (%)
            Maximum Rel. Hum.:  74.9 (%)
          Barometric Pressure: 29.80 (inches Hg)
             Nominal Fuel RVP:   6.8 psi
                Weathered RVP:   6.8 psi
          Fuel Sulfur Content:   30. ppm

          Exhaust I/M Program:  Yes
             Evap I/M Program:  Yes
                  ATP Program:  Yes
             Reformulated Gas:  No

          User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.175     0.157     0.253     0.182     0.213    0.029     0.068     0.302
2.43     0.196
     Composite CO  :      4.75      4.50      5.58      4.78      6.76     0.632     0.314     0.257
12.54     4.429
     Composite NOX :      0.103     0.128     0.216     0.151     0.153    0.021     0.035     0.444
1.26     0.165
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=25
* File 1, Run 1, Scenario 16.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 25.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
```

```
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.169     0.152     0.245     0.176     0.198    0.028     0.064     0.283
2.35     0.188
     Composite CO  :      4.69      4.44      5.51      4.71      6.17     0.597     0.294     0.235
11.78     4.354
     Composite NOX :      0.100     0.125     0.212     0.147     0.155    0.020     0.034     0.431
1.29     0.161
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=29
* File 1, Run 1, Scenario 17.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
```

```
  M583 Warning:
            The user supplied arterial average speed of 29.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.160     0.144     0.233     0.167     0.175    0.025     0.058     0.249
2.20     0.176
     Composite CO  :      4.66      4.40      5.46      4.67      5.30     0.542     0.264     0.201
10.46     4.284
     Composite NOX :      0.096     0.121     0.205     0.142     0.161    0.020     0.033     0.415
1.34     0.156
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=30
* File 1, Run 1, Scenario 18.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV
```

```
* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 30.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.158     0.143     0.231     0.165     0.170    0.025     0.057     0.242
2.17     0.174
```

```
     Composite CO  :      4.65      4.39      5.45      4.67      5.12     0.530     0.258     0.194
10.19     4.270
     Composite NOX :      0.095     0.120     0.203     0.141     0.162    0.019     0.033     0.412
1.36     0.155
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.4    1453.9      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------
```

```
************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                           *
* Input file: RCNTY35S.INP (file 1, run 1).                            *
************************************************************************

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=45
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0040    0.0038    0.0038    0.0038    0.0081    ------    ------    ------
0.0205    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0021    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0371    0.0273
                SO2:    0.0065    0.0087    0.0115    0.0095    0.0164    0.0029    0.0047    0.0135
0.0033    0.0092
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=46
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0040    0.0038    0.0038    0.0038    0.0081    ------    ------    ------
0.0205    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
```

```
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0021    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0371    0.0273
                SO2:    0.0065    0.0087    0.0115    0.0095    0.0164    0.0029    0.0047    0.0135
0.0033    0.0092
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=47
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0040    0.0038    0.0038    0.0038    0.0081    ------    ------    ------
0.0205    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0021    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0371    0.0273
                SO2:    0.0065    0.0087    0.0115    0.0095    0.0164    0.0029    0.0047    0.0135
0.0033    0.0092
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=45
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
```

```
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0035    0.0035    0.0035    0.0074    ------    ------    ------
0.0142    0.0034
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0021    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0246
0.0206    0.0126
                SO2:    0.0065    0.0087    0.0115    0.0095    0.0164    0.0029    0.0047    0.0135
0.0033    0.0092
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=46
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0035    0.0035    0.0035    0.0074    ------    ------    ------
0.0142    0.0034
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0021    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0246
0.0206    0.0126
                SO2:    0.0065    0.0087    0.0115    0.0095    0.0164    0.0029    0.0047    0.0135
0.0033    0.0092
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=47
```

```
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0035    0.0035    0.0035    0.0074    ------    ------    ------
0.0142    0.0034
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0021    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0246
0.0206    0.0126
                SO2:    0.0065    0.0087    0.0115    0.0095    0.0164    0.0029    0.0047    0.0135
0.0033    0.0092
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=20
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0036    0.0036    0.0036    0.0088    ------    ------    ------
0.0205    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0014    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0207    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
```

```
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
            Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0372    0.0273
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0135
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=22
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                       Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0036    0.0036    0.0036    0.0087    ------    ------    ------
0.0205    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0004    0.0006    0.0006    0.0006    0.0015    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
            Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0372    0.0273
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0135
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=23
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                       Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
```

```
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0038    0.0036    0.0036    0.0036    0.0086    ------    ------    ------
0.0205    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0004    0.0005    0.0006    0.0005    0.0015    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0372    0.0273
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0135
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=25
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0038    0.0037    0.0037    0.0037    0.0085    ------    ------    ------
0.0205    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0004    0.0005    0.0005    0.0005    0.0016    0.0002    0.0002    0.0009
0.0001    0.0006
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0372    0.0273
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0165    0.0029    0.0047    0.0135
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=29
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
```

```
                        Particle Size Cutoff: 10.00 Microns
                            Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0039    0.0037    0.0037    0.0037    0.0083    ------    ------    ------
0.0205    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0003    0.0005    0.0005    0.0005    0.0018    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0371    0.0273
                SO2:    0.0065    0.0087    0.0115    0.0094    0.0165    0.0029    0.0047    0.0135
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=30
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                        Particle Size Cutoff: 10.00 Microns
                            Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0039    0.0037    0.0037    0.0037    0.0083    ------    ------    ------
0.0205    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0071    0.0037    0.0086    -----
-    0.0008
            OCARBON:    ------    ------    ------    ------    ------    0.0020    0.0054    0.0047    -----
-    0.0004
                SO4:    0.0003    0.0005    0.0005    0.0005    0.0018    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0101    0.0093    0.0093    0.0142
0.0206    0.0053
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0247    0.0247    0.0247    0.0247    0.0313    0.0298    0.0299    0.0513
0.0371    0.0273
                SO2:    0.0065    0.0087    0.0115    0.0094    0.0165    0.0029    0.0047    0.0135
0.0033    0.0091
```

```
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=20
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0034    0.0033    0.0033    0.0033    0.0080    ------    ------    ------
0.0142    0.0032
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0014    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0144    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0113    0.0112    0.0169    0.0159    0.0159    0.0246
0.0207    0.0126
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0135
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=22
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0033    0.0033    0.0033    0.0079    ------    ------    ------
0.0142    0.0032
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
```

```
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0004    0.0006    0.0006    0.0006    0.0015    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0246
0.0207    0.0126
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0135
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=23
* File 1, Run 1, Scenario 15.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0034    0.0034    0.0034    0.0079    ------    ------    ------
0.0142    0.0032
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0004    0.0005    0.0006    0.0005    0.0015    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0246
0.0207    0.0126
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0135
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=25
* File 1, Run 1, Scenario 16.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
```

```
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0034    0.0034    0.0034    0.0078    ------    ------    ------
0.0142    0.0033
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0004    0.0005    0.0005    0.0005    0.0016    0.0002    0.0002    0.0009
0.0001    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0246
0.0207    0.0126
                SO2:    0.0064    0.0087    0.0115    0.0094    0.0165    0.0029    0.0047    0.0135
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=29
* File 1, Run 1, Scenario 17.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0036    0.0034    0.0034    0.0034    0.0076    ------    ------    ------
0.0142    0.0033
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0003    0.0005    0.0005    0.0005    0.0018    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0246
0.0206    0.0126
                SO2:    0.0065    0.0087    0.0115    0.0094    0.0165    0.0029    0.0047    0.0135
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=30
```

```
* File 1, Run 1, Scenario 18.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2035
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0036    0.0034    0.0034    0.0034    0.0076    ------    ------    ------
0.0142    0.0033
            ECARBON:    ------    ------    ------    ------    ------    0.0065    0.0034    0.0079    -----
-    0.0007
            OCARBON:    ------    ------    ------    ------    ------    0.0018    0.0049    0.0043    -----
-    0.0004
                SO4:    0.0003    0.0005    0.0005    0.0005    0.0018    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0039    0.0039    0.0094    0.0085    0.0086    0.0132
0.0143    0.0049
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0112    0.0112    0.0169    0.0159    0.0159    0.0246
0.0206    0.0126
                SO2:    0.0065    0.0087    0.0115    0.0094    0.0165    0.0029    0.0047    0.0135
0.0033    0.0091
                NH3:    0.0993    0.1011    0.1017    0.1013    0.0451    0.0068    0.0068    0.0270
0.0113    0.0916
 ---------------------------------------------------------------------------------------------------------------
-----------
```

```
File      Run       Scenario  CY        EType     Pol #     Pol Name  LDGV      LDGT1     LDGT2     LDGT3     LDGT4     HDGV2B
          HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B    LDDV      LDDT12    HDDV2B    HDDV3     HDDV4
          HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B    MC        GAS BUS   URB BUS   COM BUS   LDDT34    ALL VEH   Month
          Altitude  TMin      Tmax      Nom RVP   Gas Sulfur          Dsl Sulfur          I/M?      Avg Spd   NGV?      E200
          E300      Arom      Olef      Benz      MTBE vol% MTBE MktFrac        ETBE vol% ETBE MktFrac        ETOH vol% ETOH
MktFrac   TAME vol% TAME MktFrac        Part Size Description
  1         1         1       2035      VMT       0         VMT           0.2812              0.1014              0.3373
              0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
              0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
              0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
              0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
              0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        45.0
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     10.00      Baltimore County speED=45
  1         1         1       2035      1         11            Lead      0.0000              0.0000              0.0000
              0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
              0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA            0.0000              0.0000              NA        NA
          NA            0.0000          7         1          30.3      83.8       6.8       30.       15.     Yes        45.0
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     10.00      Baltimore County speED=45
  1         1         1       2035      1         10           GASPM      0.0040              0.0038              0.0038
              0.0038              0.0038              0.0077              0.0082              0.0081              0.0098
              0.0096              0.0108              0.0117              0.0000          NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA            0.0205              0.0139              NA        NA
          NA            0.0036          7         1          30.3      83.8       6.8       30.       15.     Yes        45.0
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     10.00      Baltimore County speED=45
  1         1         1       2035      1         9         ECARBON   NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0071              0.0037
0.0029        0.0029              0.0028              0.0028              0.0061              0.0060              0.0080
              0.0109          NA        NA            0.0126              0.0128              0.0037              0.0008
          7         1          30.3      83.8       6.8       30.       15.     Yes        45.0     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
           Baltimore County speED=45
  1         1         1       2035      1         8         OCARBON   NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0020              0.0054
0.0030        0.0030              0.0029              0.0029              0.0048              0.0047              0.0063
              0.0034          NA        NA            0.0099              0.0100              0.0053              0.0004
          7         1          30.3      83.8       6.8       30.       15.     Yes        45.0     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
           Baltimore County speED=45
  1         1         1       2035      1         7             SO4      0.0002              0.0004              0.0004
              0.0004              0.0004              0.0021              0.0021              0.0021              0.0021
              0.0021              0.0021              0.0021              0.0000              0.0002              0.0002
              0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
              0.0010              0.0011              0.0001              0.0021              0.0015              0.0011
              0.0003              0.0005          7         1          30.3      83.8       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000     10.00      Baltimore County speED=45
  1         1         1       2035      9         14           Brake      0.0125              0.0125              0.0125
              0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
              0.0125              0.0125              0.0125              0.0000              0.0125              0.0125
              0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
              0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
              0.0125              0.0125          7         1          30.3      83.8       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     10.00      Baltimore County speED=45
  1         1         1       2035      10        15            Tire      0.0080              0.0080              0.0080
              0.0080              0.0080              0.0080              0.0120              0.0120              0.0120
              0.0120              0.0120              0.0360              0.0000              0.0080              0.0080
              0.0080              0.0120              0.0120              0.0120              0.0120              0.0120
              0.0360              0.0360              0.0040              0.0120              0.0120              0.0120
              0.0080              0.0094          7         1          30.3      83.8       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     10.00      Baltimore County speED=45
  1         1         1       2035      1         12            SO2      0.0065              0.0084              0.0088
              0.0115              0.0115              0.0158              0.0170              0.0171              0.0201
              0.0198              0.0216              0.0228              0.0000              0.0029              0.0043
              0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
              0.0144              0.0151              0.0033              0.0251              0.0217              0.0153
              0.0056              0.0092          7         1          30.3      83.8       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000     10.00      Baltimore County speED=45
  1         1         1       2035      1         13            NH3      0.0993              0.0993              0.1017
              0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
              0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
              0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
              0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
              0.0068              0.0916          7         1          30.3      83.8       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000     10.00      Baltimore County speED=45
File      Run       Scenario  CY        EType     Pol #     Pol Name  LDGV      LDGT1     LDGT2     LDGT3     LDGT4     HDGV2B
          HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B    LDDV      LDDT12    HDDV2B    HDDV3     HDDV4
          HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B    MC        GAS BUS   URB BUS   COM BUS   LDDT34    ALL VEH   Month
          Altitude  TMin      Tmax      Nom RVP   Gas Sulfur          Dsl Sulfur          I/M?      Avg Spd   NGV?      E200
          E300      Arom      Olef      Benz      MTBE vol% MTBE MktFrac        ETBE vol% ETBE MktFrac        ETOH vol% ETOH
MktFrac   TAME vol% TAME MktFrac        Part Size Description
  1         1         1       2035      MPG       0         MPG          24.1                18.5                18.5
             14.2                14.2              10.1               9.4                 9.3                 8.0
              8.1                 7.4               7.1               0.0                32.4                22.1
             13.0                11.7              10.2               9.9                 8.7                 7.5
              6.6                 6.3              50.0               6.4                 4.4                 6.2
             17.0                16.1          7         1          30.3      83.8       6.8       30.       15.     Yes
```

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 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=45
1         1         1         2035      VMT       0         VMT           0.2812              0.1014              0.3373
    0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
    0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
    0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
    0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
    0.0022              1         7         1         30.3      83.8       6.8       30.       15.     Yes        45.0
No         0.00      0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     10.00      Baltimore County speED=45
1         1         1         2035      1         1         VOC           0.139               0.105               0.140
    0.214               0.213               0.124               0.120               0.120               0.126
    0.126               0.130               0.135               0.000               0.020               0.038
    0.076               0.086               0.101               0.109               0.134               0.167
    0.191               0.209               1.890               0.175               0.172               0.207
    0.061               0.153         7         1         30.3      83.8       6.8       30.       15.     Yes
 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     10.00      Baltimore County speED=45
1         1         1         2035      1         2         CO            5.232               4.598               5.125
    6.124               6.334               3.835               4.954               4.815               5.623
    5.566               6.558               6.984               0.000               0.451               0.194
    0.064               0.074               0.086               0.093               0.095               0.119
    0.163               0.179               7.733               8.023               0.218               0.147
    0.257               4.770         7         1         30.3      83.8       6.8       30.       15.     Yes
 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=45
1         1         1         2035      1         3         NOX           0.098               0.100               0.134
    0.209               0.226               0.172               0.224               0.200               0.230
    0.228               0.259               0.273               0.000               0.021               0.034
    0.190               0.219               0.255               0.275               0.340               0.422
    0.483               0.531               1.491               0.313               0.705               0.523
    0.040               0.165         7         1         30.3      83.8       6.8       30.       15.     Yes
 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=45
1         1         1         2035      1         4         CO2           368.0               479.4               479.4
    624.5               624.5               875.4               944.4               948.5              1107.1
   1089.5              1190.4              1254.3                 0.0               314.1               460.4
    785.2               872.7               997.6              1029.9              1168.3              1351.4
   1544.1              1615.2               177.4              1374.9              2333.9              1646.6
    598.6               568.3         7         1         30.3      83.8       6.8       30.       15.     Yes
 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=45
1         1         1         2035      3         1        Hot Soak       0.029               0.014               0.015
    0.028               0.028               0.026               0.026               0.028               0.028
    0.028               0.028               0.028               0.000               0.000               0.000
    0.000               0.000               0.000               0.000               0.000               0.000
    0.000               0.000               0.072               0.038               0.000               0.000
    0.000               0.020         7         1         30.3      83.8       6.8       30.       15.     Yes
 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=45
1         1         1         2035      4         1        Diurnal        0.007               0.004               0.004
    0.007               0.007               0.009               0.009               0.012               0.012
    0.012               0.012               0.012               0.000               0.000               0.000
    0.000               0.000               0.000               0.000               0.000               0.000
    0.000               0.000               0.059               0.016               0.000               0.000
    0.000               0.005         7         1         30.3      83.8       6.8       30.       15.     Yes
 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=45
1         1         1         2035      5         1        Resting        0.013               0.006               0.006
    0.012               0.012               0.013               0.013               0.014               0.014
    0.014               0.014               0.014               0.000               0.000               0.000
    0.000               0.000               0.000               0.000               0.000               0.000
    0.000               0.000               0.224               0.019               0.000               0.000
    0.000               0.009         7         1         30.3      83.8       6.8       30.       15.     Yes
 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=45
1         1         1         2035      6         1        Running        0.027               0.017               0.018
    0.026               0.026               0.028               0.028               0.025               0.025
    0.025               0.025               0.025               0.000               0.000               0.000
    0.000               0.000               0.000               0.000               0.000               0.000
    0.000               0.000               0.000               0.042               0.000               0.000
    0.000               0.020         7         1         30.3      83.8       6.8       30.       15.     Yes
 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=45
1         1         1         2035      7         1        Crankcase      0.008               0.009               0.009
    0.010               0.010               0.010               0.010               0.009               0.009
    0.009               0.009               0.009               0.000               0.000               0.000
    0.000               0.000               0.000               0.000               0.000               0.000
    0.000               0.000               0.000               0.008               0.000               0.000
    0.000               0.008         7         1         30.3      83.8       6.8       30.       15.     Yes
 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=45
1         1         1         2035      8         1        Refueling      0.000               0.000               0.000
    0.000               0.000               0.000               0.000               0.000               0.000
    0.000               0.000               0.000               0.000           NA                  NA
NA                  NA                  NA                  NA                  NA                  NA
NA                  NA                  0.000               0.000           NA                  NA
NA                  NA                  7         1         30.3      83.8       6.8       30.       15.     Yes
 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=45
1         1         1         2035      11        1        Total Evap              0.083               0.050
0.052          0.083               0.083               0.085               0.085               0.088               0.088
    0.088               0.088               0.088               0.000               0.000               0.000
    0.000               0.000               0.000               0.000               0.000               0.000
    0.000               0.000               0.354               0.124               0.000               0.000
```

0.000 0.062 7 1 30.3 83.8 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=45
1 1 2 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 46.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 46.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 1 10 GASPM 0.0040 0.0038 0.0038
0.0038 0.0038 0.0077 0.0082 0.0081 0.0098
0.0096 0.0108 0.0117 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0139 NA NA
NA 0.0036 7 1 30.3 83.8 6.8 30. 15. Yes 46.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0071 0.0037
0.0029 0.0029 0.0028 0.0028 0.0061 0.0060 0.0080
0.0109 NA NA 0.0126 0.0128 0.0037 0.0008
7 1 30.3 83.8 6.8 30. 15. Yes 46.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=46
1 1 2 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0020 0.0054
0.0030 0.0030 0.0029 0.0029 0.0048 0.0047 0.0063
0.0034 NA NA 0.0099 0.0100 0.0053 0.0004
7 1 30.3 83.8 6.8 30. 15. Yes 46.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=46
1 1 2 2035 1 7 SO4 0.0002 0.0004 0.0004
0.0004 0.0004 0.0021 0.0021 0.0021
0.0021 0.0021 0.0021 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0021 0.0015 0.0011
0.0003 0.0005 7 1 30.3 83.8 6.8 30. 15. Yes
46.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
46.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 7 1 30.3 83.8 6.8 30. 15. Yes
46.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 1 12 SO2 0.0065 0.0084 0.0088
0.0115 0.0115 0.0158 0.0170 0.0171 0.0201
0.0198 0.0216 0.0228 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0251 0.0217 0.0153
0.0056 0.0092 7 1 30.3 83.8 6.8 30. 15. Yes
46.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 1 13 NH3 0.0993 0.0993 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0916 7 1 30.3 83.8 6.8 30. 15. Yes
46.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 7 1 30.3 83.8 6.8 30. 15. Yes
46.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=46
1 1 2 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 46.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=46

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1         1         2       2035       1         1         VOC           0.138               0.104               0.140
             0.214               0.212               0.122               0.118               0.118               0.125
             0.124               0.129               0.133               0.000               0.020               0.037
             0.074               0.085               0.099               0.107               0.133               0.164
             0.188               0.207               1.886               0.173               0.170               0.204
             0.060               0.152           7         1          30.3      83.8       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       1         2         CO            5.273               4.639               5.170
             6.179               6.390               3.862               4.989               4.849               5.663
             5.605               6.605               7.034               0.000               0.451               0.194
             0.064               0.074               0.086               0.093               0.095               0.118
             0.163               0.179               7.687               8.080               0.218               0.147
             0.256               4.811           7         1          30.3      83.8       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       1         3         NOX           0.099               0.101               0.135
             0.210               0.227               0.173               0.226               0.202               0.232
             0.229               0.261               0.276               0.000               0.022               0.035
             0.195               0.223               0.260               0.281               0.348               0.431
             0.494               0.542               1.509               0.315               0.720               0.534
             0.040               0.166           7         1          30.3      83.8       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       1         4         CO2           368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
            1544.1              1615.2               177.4              1374.9              2333.9              1646.6
             598.6               568.3           7         1          30.3      83.8       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       3         1        Hot Soak       0.029               0.014               0.015
             0.028               0.028               0.026               0.026               0.028               0.028
             0.028               0.028               0.028               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.072               0.038               0.000               0.000
             0.000               0.020           7         1          30.3      83.8       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       4         1        Diurnal        0.007               0.004               0.004
             0.007               0.007               0.009               0.009               0.012               0.012
             0.012               0.012               0.012               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.059               0.016               0.000               0.000
             0.000               0.005           7         1          30.3      83.8       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       5         1        Resting        0.013               0.006               0.006
             0.012               0.012               0.013               0.013               0.014               0.014
             0.014               0.014               0.014               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.224               0.019               0.000               0.000
             0.000               0.009           7         1          30.3      83.8       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       6         1        Running        0.026               0.017               0.017
             0.025               0.025               0.027               0.027               0.024               0.024
             0.024               0.024               0.024               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.041               0.000               0.000
             0.000               0.020           7         1          30.3      83.8       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.009               0.009
             0.009               0.009               0.009               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.008               0.000               0.000
             0.000               0.008           7         1          30.3      83.8       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035       8         1        Refueling      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000          NA                  NA
         NA                  NA                  NA                  NA                  NA                  NA
         NA                  NA                  0.000               0.000          NA                  NA
         NA                  NA                  7         1          30.3      83.8       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         2       2035      11         1        Total Evap                0.082               0.050
0.051        0.082               0.082               0.084               0.084               0.087               0.087
             0.087               0.087               0.087               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.354               0.122               0.000               0.000
             0.000               0.061           7         1          30.3      83.8       6.8       30.       15.     Yes
          46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=46
1         1         3       2035      VMT       0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        47.0
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        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035       1        11            Lead      0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA          0.0000              0.0000              NA        NA
        NA            0.0000         7         1          30.3      83.8       6.8       30.       15.     Yes        47.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035       1        10           GASPM      0.0040              0.0038              0.0038
            0.0038              0.0038              0.0077              0.0082              0.0081              0.0098
            0.0096              0.0108              0.0117              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA          0.0205              0.0139              NA        NA
        NA            0.0036         7         1          30.3      83.8       6.8       30.       15.     Yes        47.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035       1         9         ECARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0071              0.0037
0.0029      0.0029              0.0028              0.0028              0.0061              0.0060              0.0080
            0.0109              NA        NA        0.0126              0.0128              0.0037              0.0008
        7         1          30.3      83.8       6.8       30.       15.     Yes        47.0     No         0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
         Baltimore County speED=47
 1        1         3       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0020              0.0054
0.0030      0.0030              0.0029              0.0029              0.0048              0.0047              0.0063
            0.0034              NA        NA        0.0099              0.0100              0.0053              0.0004
        7         1          30.3      83.8       6.8       30.       15.     Yes        47.0     No         0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
         Baltimore County speED=47
 1        1         3       2035       1         7             SO4      0.0002              0.0004              0.0004
            0.0004              0.0004              0.0021              0.0021              0.0021              0.0021
            0.0021              0.0021              0.0021              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0001              0.0021              0.0015              0.0011
            0.0003              0.0005         7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035       9        14           Brake      0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0000              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125         7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035      10        15            Tire      0.0080              0.0080              0.0080
            0.0080              0.0080              0.0080              0.0120              0.0120              0.0120
            0.0120              0.0120              0.0360              0.0000              0.0080              0.0080
            0.0080              0.0120              0.0120              0.0120              0.0120              0.0120
            0.0360              0.0360              0.0040              0.0120              0.0120              0.0120
            0.0080              0.0094         7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035       1        12             SO2      0.0065              0.0084              0.0088
            0.0115              0.0115              0.0158              0.0170              0.0171              0.0201
            0.0198              0.0216              0.0228              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0251              0.0217              0.0153
            0.0056              0.0092         7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916         7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035      MPG        0          MPG            24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1         7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035      VMT        0          VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022         1         7         1          30.3      83.8       6.8       30.       15.     Yes        47.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=47
 1        1         3       2035       1         1          VOC           0.137               0.103               0.140
             0.213               0.211               0.121               0.116               0.117               0.123
             0.123               0.127               0.131               0.000               0.020               0.037
             0.073               0.084               0.098               0.106               0.131               0.162
             0.186               0.204               1.882               0.170               0.168               0.201
             0.059               0.152         7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=47
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1         1         3       2035       1         2         CO            5.313               4.679               5.213
             6.232               6.444               3.888               5.022               4.881               5.701
             5.643               6.649               7.081               0.000               0.450               0.194
             0.064               0.074               0.086               0.093               0.095               0.118
             0.163               0.179               7.643               8.134               0.217               0.147
             0.256               4.849         7         1          30.3      83.8       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       1         3         NOX           0.099               0.101               0.136
             0.211               0.228               0.174               0.228               0.203               0.234
             0.231               0.262               0.278               0.000               0.022               0.036
             0.199               0.228               0.266               0.287               0.355               0.440
             0.504               0.553               1.527               0.317               0.735               0.545
             0.041               0.168         7         1          30.3      83.8       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       1         4         CO2           368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
            1544.1              1615.2               177.4              1374.9              2333.9              1646.6
             598.6               568.3         7         1          30.3      83.8       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       3         1        Hot Soak       0.029               0.014               0.015
             0.028               0.028               0.026               0.026               0.028               0.028
             0.028               0.028               0.028               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.072               0.038               0.000               0.000
             0.000               0.020         7         1          30.3      83.8       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       4         1        Diurnal        0.007               0.004               0.004
             0.007               0.007               0.009               0.009               0.012               0.012
             0.012               0.012               0.012               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.059               0.016               0.000               0.000
             0.000               0.005         7         1          30.3      83.8       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       5         1        Resting        0.013               0.006               0.006
             0.012               0.012               0.013               0.013               0.014               0.014
             0.014               0.014               0.014               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.224               0.019               0.000               0.000
             0.000               0.009         7         1          30.3      83.8       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       6         1        Running        0.025               0.016               0.017
             0.024               0.024               0.026               0.026               0.023               0.023
             0.023               0.023               0.023               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.039               0.000               0.000
             0.000               0.019         7         1          30.3      83.8       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.009               0.009
             0.009               0.009               0.009               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.008               0.000               0.000
             0.000               0.008         7         1          30.3      83.8       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035       8         1        Refueling      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000          NA                  NA
         NA                  NA                  NA                  NA                  NA                  NA
         NA                  NA                  0.000               0.000               NA                  NA
         NA                  NA                  7         1          30.3      83.8       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         3       2035      11         1        Total Evap              0.082               0.049
0.050        0.081               0.081               0.083               0.083               0.086               0.086
             0.086               0.086               0.086               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.354               0.121               0.000               0.000
             0.000               0.061         7         1          30.3      83.8       6.8       30.       15.     Yes
          47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore County speED=47
1         1         4       2035      VMT        0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022         1         7         1          30.3      83.8       6.8       30.       15.     Yes        45.0
         No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
         0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       1        11            Lead      0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
         NA        NA        NA        NA        NA        NA        0.0000              0.0000              NA        NA
         NA            0.0000         7         1          30.3      83.8       6.8       30.       15.     Yes        45.0
         No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
         0.000     0.000      2.50      Baltimore County speED=45
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1         1         4       2035       1        10           GASPM      0.0037              0.0035              0.0035
            0.0035              0.0035              0.0071              0.0075              0.0074              0.0089
            0.0088              0.0099              0.0107              0.0000          NA          NA          NA          NA
          NA        NA        NA        NA        NA        NA            0.0142              0.0127          NA          NA
          NA            0.0034          7         1          30.3      83.8       6.8       30.       15.     Yes        45.0
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       1         9         ECARBON  NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0065              0.0034
0.0026        0.0026              0.0026              0.0026              0.0056              0.0055              0.0074
            0.0100          NA        NA            0.0116              0.0118              0.0034              0.0007
          7         1         30.3      83.8       6.8       30.       15.     Yes        45.0     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
           Baltimore County speED=45
1         1         4       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0018              0.0049
0.0027        0.0027              0.0027              0.0027              0.0044              0.0044              0.0058
            0.0032          NA        NA            0.0091              0.0092              0.0049              0.0004
          7         1         30.3      83.8       6.8       30.       15.     Yes        45.0     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
           Baltimore County speED=45
1         1         4       2035       1         7             SO4      0.0002              0.0004              0.0004
            0.0004              0.0004              0.0021              0.0021              0.0021              0.0021
            0.0021              0.0021              0.0021              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0001              0.0021              0.0015              0.0011
            0.0003              0.0005          7         1          30.3      83.8       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       9        14           Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053          7         1          30.3      83.8       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035      10        15            Tire      0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024          7         1          30.3      83.8       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       1        12             SO2      0.0065              0.0084              0.0088
            0.0115              0.0115              0.0158              0.0170              0.0171              0.0201
            0.0198              0.0216              0.0228              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0251              0.0217              0.0153
            0.0056              0.0092          7         1          30.3      83.8       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916          7         1          30.3      83.8       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035      MPG        0         MPG            24.1                18.5                18.5
              14.2                14.2                10.1                 9.4                 9.3                 8.0
               8.1                 7.4                 7.1                 0.0                32.4                22.1
              13.0                11.7                10.2                 9.9                 8.7                 7.5
               6.6                 6.3                50.0                 6.4                 4.4                 6.2
              17.0                16.1          7         1          30.3      83.8       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035      VMT        0         VMT            0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        45.0
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       1         1           VOC           0.139               0.105               0.140
             0.214               0.213               0.124               0.120               0.120               0.126
             0.126               0.130               0.135               0.000               0.020               0.038
             0.076               0.086               0.101               0.109               0.134               0.167
             0.191               0.209               1.890               0.175               0.172               0.207
             0.061               0.153          7         1          30.3      83.8       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       1         2            CO           5.232               4.598               5.125
             6.124               6.334               3.835               4.954               4.815               5.623
             5.566               6.558               6.984               0.000               0.451               0.194
             0.064               0.074               0.086               0.093               0.095               0.119
             0.163               0.179               7.733               8.023               0.218               0.147
             0.257               4.770          7         1          30.3      83.8       6.8       30.       15.     Yes
           45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=45
1         1         4       2035       1         3           NOX           0.098               0.100               0.134
             0.209               0.226               0.172               0.224               0.200               0.230
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            0.228              0.259              0.273              0.000              0.021              0.034
            0.190              0.219              0.255              0.275              0.340              0.422
            0.483              0.531              1.491              0.313              0.705              0.523
            0.040              0.165          7        1         30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=45
 1        1         4       2035       1         4         CO2          368.0              479.4              479.4
            624.5              624.5              875.4              944.4              948.5             1107.1
           1089.5             1190.4             1254.3                0.0              314.1              460.4
            785.2              872.7              997.6             1029.9             1168.3             1351.4
           1544.1             1615.2              177.4             1374.9             2333.9             1646.6
            598.6              568.3          7        1         30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=45
 1        1         4       2035       3         1        Hot Soak      0.029              0.014              0.015
            0.028              0.028              0.026              0.026              0.028              0.028
            0.028              0.028              0.028              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.072              0.038              0.000              0.000
            0.000              0.020          7        1         30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=45
 1        1         4       2035       4         1        Diurnal       0.007              0.004              0.004
            0.007              0.007              0.009              0.009              0.012              0.012
            0.012              0.012              0.012              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.059              0.016              0.000              0.000
            0.000              0.005          7        1         30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=45
 1        1         4       2035       5         1        Resting       0.013              0.006              0.006
            0.012              0.012              0.013              0.013              0.014              0.014
            0.014              0.014              0.014              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.224              0.019              0.000              0.000
            0.000              0.009          7        1         30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=45
 1        1         4       2035       6         1        Running       0.027              0.017              0.018
            0.026              0.026              0.028              0.028              0.025              0.025
            0.025              0.025              0.025              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.042              0.000              0.000
            0.000              0.020          7        1         30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=45
 1        1         4       2035       7         1        Crankcase     0.008              0.009              0.009
            0.010              0.010              0.010              0.010              0.009              0.009
            0.009              0.009              0.009              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.008              0.000              0.000
            0.000              0.008          7        1         30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=45
 1        1         4       2035       8         1        Refueling     0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000             NA                 NA
        NA                 NA                 NA                 NA                 NA                 NA
        NA                 NA                 0.000              0.000             NA                 NA
        NA                 NA                 7        1         30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=45
 1        1         4       2035      11         1        Total Evap                0.083              0.050
0.052          0.083              0.083              0.085              0.085              0.088              0.088
            0.088              0.088              0.088              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.354              0.124              0.000              0.000
            0.000              0.062          7        1         30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=45
 1        1         5       2035     VMT         0        VMT           0.2812             0.1014             0.3373
           0.1035             0.0476             0.0275             0.0010             0.0003             0.0010
           0.0020             0.0008             0.0000             0.0000             0.0000             0.0045
           0.0082             0.0026             0.0027             0.0013             0.0060             0.0087
           0.0103             0.0365             0.0024             0.0003             0.0037             0.0070
           0.0022          1        7         1         30.3      83.8       6.8       30.       15.     Yes        46.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       1        11            Lead      0.0000             0.0000             0.0000
           0.0000             0.0000             0.0000             0.0000             0.0000             0.0000
           0.0000             0.0000             0.0000             0.0000            NA        NA       NA        NA
        NA        NA        NA        NA        NA        NA           0.0000             0.0000            NA        NA
        NA            0.0000         7         1         30.3      83.8       6.8       30.       15.     Yes        46.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       1        10           GASPM      0.0037             0.0035             0.0035
           0.0035             0.0035             0.0071             0.0075             0.0074             0.0089
           0.0088             0.0099             0.0107             0.0000            NA        NA       NA        NA
        NA        NA        NA        NA        NA        NA           0.0142             0.0127            NA        NA
        NA            0.0034         7         1         30.3      83.8       6.8       30.       15.     Yes        46.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       1         9         ECARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0065                0.0034
0.0026         0.0026             0.0026             0.0026             0.0056             0.0055             0.0074
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            0.0100          NA        NA           0.0116              0.0118              0.0034              0.0007
        7         1          30.3      83.8       6.8       30.       15.     Yes        46.0     No         0.00      0.00
         0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=46
 1        1         5       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA        0.0018              0.0049
0.0027      0.0027              0.0027              0.0027              0.0044              0.0044              0.0058
            0.0032          NA        NA           0.0091              0.0092              0.0049              0.0004
        7         1          30.3      83.8       6.8       30.       15.     Yes        46.0     No         0.00      0.00
         0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=46
 1        1         5       2035       1         7             SO4      0.0002              0.0004              0.0004
            0.0004              0.0004              0.0021              0.0021              0.0021              0.0021
            0.0021              0.0021              0.0021              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0001              0.0021              0.0015              0.0011
            0.0003              0.0005          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       9        14             Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035      10        15              Tire      0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       1        12              SO2      0.0065              0.0084              0.0088
            0.0115              0.0115              0.0158              0.0170              0.0171              0.0201
            0.0198              0.0216              0.0228              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0251              0.0217              0.0153
            0.0056              0.0092          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       1        13              NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035      MPG        0         MPG             24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035      VMT        0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        46.0
        No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       1         1         VOC           0.138               0.104               0.140
             0.214               0.212               0.122               0.118               0.118               0.125
             0.124               0.129               0.133               0.000               0.020               0.037
             0.074               0.085               0.099               0.107               0.133               0.164
             0.188               0.207               1.886               0.173               0.170               0.204
             0.060               0.152          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       1         2         CO            5.273               4.639               5.170
             6.179               6.390               3.862               4.989               4.849               5.663
             5.605               6.605               7.034               0.000               0.451               0.194
             0.064               0.074               0.086               0.093               0.095               0.118
             0.163               0.179               7.687               8.080               0.218               0.147
             0.256               4.811          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       1         3         NOX           0.099               0.101               0.135
             0.210               0.227               0.173               0.226               0.202               0.232
             0.229               0.261               0.276               0.000               0.022               0.035
             0.195               0.223               0.260               0.281               0.348               0.431
             0.494               0.542               1.509               0.315               0.720               0.534
             0.040               0.166          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       1         4         CO2           368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
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            1544.1             1615.2              177.4             1374.9              2333.9              1646.6
             598.6              568.3          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       3         1        Hot Soak       0.029               0.014               0.015
             0.028              0.028              0.026              0.026              0.028              0.028
             0.028              0.028              0.028              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.072              0.038              0.000              0.000
             0.000              0.020          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       4         1        Diurnal        0.007               0.004               0.004
             0.007              0.007              0.009              0.009              0.012              0.012
             0.012              0.012              0.012              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.059              0.016              0.000              0.000
             0.000              0.005          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       5         1        Resting        0.013               0.006               0.006
             0.012              0.012              0.013              0.013              0.014              0.014
             0.014              0.014              0.014              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.224              0.019              0.000              0.000
             0.000              0.009          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       6         1        Running        0.026               0.017               0.017
             0.025              0.025              0.027              0.027              0.024              0.024
             0.024              0.024              0.024              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.041              0.000              0.000
             0.000              0.020          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       7         1        Crankcase      0.008               0.009               0.009
             0.010              0.010              0.010              0.010              0.009              0.009
             0.009              0.009              0.009              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.008              0.000              0.000
             0.000              0.008          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035       8         1        Refueling      0.000               0.000               0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.000              0.000          NA                  NA
        NA                  NA                  NA                  NA                  NA                  NA
        NA                  NA                  0.000              0.000              NA                  NA
        NA                  NA                  7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         5       2035      11         1        Total Evap               0.082               0.050
0.051        0.082              0.082              0.084              0.084              0.087              0.087
             0.087              0.087              0.087              0.000              0.000              0.000
             0.000              0.000              0.000              0.000              0.000              0.000
             0.000              0.000              0.354              0.122              0.000              0.000
             0.000              0.061          7         1          30.3      83.8       6.8       30.       15.     Yes
         46.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=46
 1        1         6       2035      VMT        0         VMT           0.2812              0.1014              0.3373
            0.1035             0.0476             0.0275             0.0010             0.0003             0.0010
            0.0020             0.0008             0.0000             0.0000             0.0000             0.0045
            0.0082             0.0026             0.0027             0.0013             0.0060             0.0087
            0.0103             0.0365             0.0024             0.0003             0.0037             0.0070
            0.0022         1         7         1          30.3      83.8       6.8       30.       15.     Yes       47.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=47
 1        1         6       2035       1        11            Lead       0.0000              0.0000              0.0000
            0.0000             0.0000             0.0000             0.0000             0.0000             0.0000
            0.0000             0.0000             0.0000             0.0000         NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA           0.0000             0.0000             NA        NA
        NA            0.0000         7         1          30.3      83.8       6.8       30.       15.     Yes       47.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=47
 1        1         6       2035       1        10           GASPM       0.0037              0.0035              0.0035
             0.0035             0.0035             0.0071             0.0075             0.0074             0.0089
             0.0088             0.0099             0.0107             0.0000         NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA           0.0142             0.0127             NA        NA
        NA            0.0034         7         1          30.3      83.8       6.8       30.       15.     Yes       47.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=47
 1        1         6       2035       1         9         ECARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0065            0.0034
0.0026       0.0026             0.0026             0.0026             0.0056             0.0055             0.0074
             0.0100         NA        NA            0.0116             0.0118             0.0034             0.0007
        7         1          30.3      83.8       6.8       30.       15.     Yes       47.0     No         0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=47
 1        1         6       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0018            0.0049
0.0027       0.0027             0.0027             0.0027             0.0044             0.0044             0.0058
             0.0032         NA        NA            0.0091             0.0092             0.0049             0.0004
        7         1          30.3      83.8       6.8       30.       15.     Yes       47.0     No         0.00      0.00
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         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=47
1         1         6       2035       1         7             SO4      0.0002              0.0004              0.0004
            0.0004              0.0004              0.0021              0.0021              0.0021              0.0021
            0.0021              0.0021              0.0021              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0001              0.0021              0.0015              0.0011
            0.0003              0.0005          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       9        14           Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035      10        15            Tire      0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       1        12             SO2      0.0065              0.0084              0.0088
            0.0115              0.0115              0.0158              0.0170              0.0171              0.0201
            0.0198              0.0216              0.0228              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0251              0.0217              0.0153
            0.0056              0.0092          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035     MPG         0         MPG        24.1                18.5                18.5
              14.2                14.2                10.1                 9.4                 9.3                 8.0
               8.1                 7.4                 7.1                 0.0                32.4                22.1
              13.0                11.7                10.2                 9.9                 8.7                 7.5
               6.6                 6.3                50.0                 6.4                 4.4                 6.2
              17.0                16.1          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035     VMT         0         VMT      0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        47.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       1         1           VOC       0.137               0.103               0.140
             0.213               0.211               0.121               0.116               0.117               0.123
             0.123               0.127               0.131               0.000               0.020               0.037
             0.073               0.084               0.098               0.106               0.131               0.162
             0.186               0.204               1.882               0.170               0.168               0.201
             0.059               0.152          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       1         2            CO       5.313               4.679               5.213
             6.232               6.444               3.888               5.022               4.881               5.701
             5.643               6.649               7.081               0.000               0.450               0.194
             0.064               0.074               0.086               0.093               0.095               0.118
             0.163               0.179               7.643               8.134               0.217               0.147
             0.256               4.849          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       1         3           NOX       0.099               0.101               0.136
             0.211               0.228               0.174               0.228               0.203               0.234
             0.231               0.262               0.278               0.000               0.022               0.036
             0.199               0.228               0.266               0.287               0.355               0.440
             0.504               0.553               1.527               0.317               0.735               0.545
             0.041               0.168          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       1         4           CO2       368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
            1544.1              1615.2               177.4              1374.9              2333.9              1646.6
             598.6               568.3          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
1         1         6       2035       3         1        Hot Soak       0.029               0.014               0.015
             0.028               0.028               0.026               0.026               0.028               0.028
             0.028               0.028               0.028               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.072               0.038               0.000               0.000
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            0.000              0.020          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
 1        1         6       2035       4         1        Diurnal        0.007               0.004               0.004
            0.007              0.007              0.009               0.009               0.012               0.012
            0.012              0.012              0.012               0.000               0.000               0.000
            0.000              0.000              0.000               0.000               0.000               0.000
            0.000              0.000              0.059               0.016               0.000               0.000
            0.000              0.005          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
 1        1         6       2035       5         1        Resting        0.013               0.006               0.006
            0.012              0.012              0.013               0.013               0.014               0.014
            0.014              0.014              0.014               0.000               0.000               0.000
            0.000              0.000              0.000               0.000               0.000               0.000
            0.000              0.000              0.224               0.019               0.000               0.000
            0.000              0.009          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
 1        1         6       2035       6         1        Running        0.025               0.016               0.017
            0.024              0.024              0.026               0.026               0.023               0.023
            0.023              0.023              0.023               0.000               0.000               0.000
            0.000              0.000              0.000               0.000               0.000               0.000
            0.000              0.000              0.000               0.039               0.000               0.000
            0.000              0.019          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
 1        1         6       2035       7         1        Crankcase      0.008               0.009               0.009
            0.010              0.010              0.010               0.010               0.009               0.009
            0.009              0.009              0.009               0.000               0.000               0.000
            0.000              0.000              0.000               0.000               0.000               0.000
            0.000              0.000              0.000               0.008               0.000               0.000
            0.000              0.008          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
 1        1         6       2035       8         1        Refueling      0.000               0.000               0.000
            0.000              0.000              0.000               0.000               0.000               0.000
            0.000              0.000              0.000               0.000          NA                  NA
        NA                 NA                 NA                  NA                  NA                  NA
        NA                 NA                 0.000               0.000          NA                  NA
        NA                 NA                 7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
 1        1         6       2035      11         1        Total Evap                0.082               0.049
0.050       0.081              0.081              0.083               0.083               0.086               0.086
            0.086              0.086              0.086               0.000               0.000               0.000
            0.000              0.000              0.000               0.000               0.000               0.000
            0.000              0.000              0.354               0.121               0.000               0.000
            0.000              0.061          7         1          30.3      83.8       6.8       30.       15.     Yes
         47.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=47
 1        1         7       2035      VMT        0         VMT           0.2812              0.1014              0.3373
          0.1035             0.0476             0.0275              0.0010              0.0003              0.0010
          0.0020             0.0008             0.0000              0.0000              0.0000              0.0045
          0.0082             0.0026             0.0027              0.0013              0.0060              0.0087
          0.0103             0.0365             0.0024              0.0003              0.0037              0.0070
          0.0022         1         7         1         30.3      83.8       6.8       30.       15.     Yes       20.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=20
 1        1         7       2035       1        11            Lead      0.0000              0.0000              0.0000
          0.0000             0.0000             0.0000              0.0000              0.0000              0.0000
          0.0000             0.0000             0.0000              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA           0.0000              0.0000          NA        NA
        NA           0.0000         7         1         30.3      83.8       6.8       30.       15.     Yes       20.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=20
 1        1         7       2035       1        10           GASPM      0.0037              0.0036              0.0036
          0.0036             0.0036             0.0084              0.0089              0.0088              0.0105
          0.0103             0.0115             0.0124              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA           0.0205              0.0146          NA        NA
        NA           0.0035         7         1         30.3      83.8       6.8       30.       15.     Yes       20.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=20
 1        1         7       2035       1         9         ECARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA           0.0071              0.0037
0.0029      0.0029             0.0028             0.0028              0.0061              0.0060              0.0080
            0.0109         NA        NA            0.0126              0.0128              0.0037              0.0008
        7         1         30.3      83.8       6.8       30.       15.     Yes       20.0     No         0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
         Baltimore County speED=20
 1        1         7       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA           0.0020              0.0054
0.0030      0.0030             0.0029             0.0029              0.0048              0.0047              0.0063
            0.0034         NA        NA            0.0099              0.0100              0.0053              0.0004
        7         1         30.3      83.8       6.8       30.       15.     Yes       20.0     No         0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
         Baltimore County speED=20
 1        1         7       2035       1         7             SO4      0.0005              0.0006              0.0006
          0.0006             0.0006             0.0014              0.0014              0.0014              0.0014
          0.0014             0.0014             0.0014              0.0000              0.0002              0.0002
          0.0005             0.0006             0.0007              0.0007              0.0008              0.0009
          0.0010             0.0011             0.0002              0.0014              0.0015              0.0011
          0.0003             0.0006         7         1          30.3      83.8       6.8       30.       15.     Yes
         20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=20
```

1 1 7 2035 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 1 12 SO2 0.0064 0.0084 0.0088
0.0115 0.0115 0.0160 0.0173 0.0173 0.0203
0.0200 0.0219 0.0230 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0253 0.0217 0.0153
0.0056 0.0091 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 1 13 NH3 0.0993 0.0993 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0916 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 1 1 VOC 0.187 0.138 0.176
0.269 0.269 0.240 0.228 0.218 0.237
0.236 0.249 0.262 0.000 0.031 0.062
0.146 0.166 0.194 0.210 0.259 0.321
0.368 0.404 2.587 0.332 0.333 0.399
0.099 0.210 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 1 2 CO 4.854 4.223 4.716
5.655 5.858 7.286 9.411 9.146 10.683
10.573 12.459 13.268 0.000 0.699 0.319
0.131 0.150 0.175 0.189 0.194 0.241
0.332 0.364 13.979 15.242 0.443 0.299
0.413 4.568 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 1 3 NOX 0.108 0.106 0.142
0.219 0.237 0.140 0.183 0.163 0.188
0.186 0.211 0.223 0.000 0.022 0.035
0.196 0.225 0.262 0.283 0.350 0.434
0.497 0.546 1.215 0.255 0.725 0.538
0.041 0.171 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 1 4 CO2 368.0 479.4 479.4
624.5 624.5 875.4 944.4 948.5 1107.1
1089.5 1190.4 1254.3 0.0 314.1 460.4
785.2 872.7 997.6 1029.9 1168.3 1351.4
1544.1 1615.2 177.4 1374.9 2333.9 1646.6
598.6 568.3 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 3 1 Hot Soak 0.029 0.014 0.015
0.028 0.028 0.026 0.026 0.028 0.028
0.028 0.028 0.028 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.072 0.038 0.000 0.000
0.000 0.020 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 4 1 Diurnal 0.007 0.004 0.004
0.007 0.007 0.009 0.009 0.012 0.012
0.012 0.012 0.012 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.059 0.016 0.000 0.000
0.000 0.005 7 1 30.3 83.8 6.8 30. 15. Yes

20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 5 1 Resting 0.013 0.006 0.006
0.012 0.012 0.013 0.013 0.014 0.014
0.014 0.014 0.014 0.000 0.000 0.000
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0.000 0.000 0.224 0.019 0.000 0.000
0.000 0.009 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 6 1 Running 0.068 0.043 0.044
0.062 0.062 0.070 0.070 0.063 0.063
0.063 0.063 0.063 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.103 0.000 0.000
0.000 0.050 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.009 0.009
0.009 0.009 0.009 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.008 0.000 0.000
0.000 0.008 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 7 2035 11 1 Total Evap 0.125 0.076
0.077 0.119 0.119 0.127 0.127 0.126 0.126
0.126 0.126 0.126 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.354 0.184 0.000 0.000
0.000 0.092 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=20
1 1 8 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 22.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 22.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 1 10 GASPM 0.0037 0.0036 0.0036
0.0036 0.0036 0.0083 0.0088 0.0087 0.0103
0.0102 0.0114 0.0123 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0145 NA NA
NA 0.0035 7 1 30.3 83.8 6.8 30. 15. Yes 22.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0071 0.0037
0.0029 0.0029 0.0028 0.0028 0.0061 0.0060 0.0080
0.0109 NA NA 0.0126 0.0128 0.0037 0.0008
7 1 30.3 83.8 6.8 30. 15. Yes 22.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=22
1 1 8 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0020 0.0054
0.0030 0.0030 0.0029 0.0029 0.0048 0.0047 0.0063
0.0034 NA NA 0.0099 0.0100 0.0053 0.0004
7 1 30.3 83.8 6.8 30. 15. Yes 22.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=22
1 1 8 2035 1 7 SO4 0.0004 0.0005 0.0006
0.0006 0.0006 0.0015 0.0015 0.0015 0.0015
0.0015 0.0015 0.0015 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0015 0.0015 0.0011
0.0003 0.0006 7 1 30.3 83.8 6.8 30. 15. Yes
22.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
22.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=22

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1         1         8       2035      10        15            Tire      0.0080              0.0080              0.0080
            0.0080              0.0080              0.0080              0.0120              0.0120              0.0120
            0.0120              0.0120              0.0360              0.0000              0.0080              0.0080
            0.0080              0.0120              0.0120              0.0120              0.0120              0.0120
            0.0360              0.0360              0.0040              0.0120              0.0120              0.0120
            0.0080              0.0094          7         1          30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       1        12             SO2      0.0064              0.0084              0.0088
            0.0115              0.0115              0.0159              0.0172              0.0173              0.0203
            0.0199              0.0218              0.0230              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0253              0.0217              0.0153
            0.0056              0.0091          7         1          30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916          7         1          30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035      MPG        0         MPG            24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1          7         1          30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035      VMT        0         VMT      0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        22.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       1         1         VOC       0.179               0.132               0.169
             0.258               0.258               0.221               0.210               0.202               0.219
             0.218               0.229               0.241               0.000               0.030               0.058
             0.135               0.154               0.180               0.194               0.240               0.298
             0.341               0.374               2.479               0.306               0.308               0.370
             0.093               0.200          7         1          30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       1         2         CO        4.781               4.150               4.642
             5.562               5.764               6.573               8.490               8.251               9.637
             9.538              11.239              11.970               0.000               0.653               0.295
             0.119               0.136               0.158               0.171               0.176               0.218
             0.300               0.329              12.978              13.750               0.401               0.271
             0.384               4.471          7         1          30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       1         3         NOX       0.104               0.103               0.138
             0.213               0.231               0.143               0.187               0.167               0.192
             0.190               0.215               0.228               0.000               0.021               0.034
             0.189               0.217               0.253               0.273               0.338               0.419
             0.480               0.527               1.248               0.260               0.700               0.519
             0.039               0.167          7         1          30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       1         4         CO2       368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
            1544.1              1615.2               177.4              1374.9              2333.9              1646.6
             598.6               568.3          7         1          30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       3         1        Hot Soak      0.029               0.014               0.015
             0.028               0.028               0.026               0.026               0.028               0.028
             0.028               0.028               0.028               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.072               0.038               0.000               0.000
             0.000               0.020          7         1          30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       4         1        Diurnal      0.007               0.004               0.004
             0.007               0.007               0.009               0.009               0.012               0.012
             0.012               0.012               0.012               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.059               0.016               0.000               0.000
             0.000               0.005          7         1          30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=22
1         1         8       2035       5         1        Resting      0.013               0.006               0.006
             0.012               0.012               0.013               0.013               0.014               0.014
             0.014               0.014               0.014               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.224               0.019               0.000               0.000
             0.000               0.009          7         1          30.3      83.8       6.8       30.       15.     Yes
```

22.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 6 1 Running 0.062 0.039 0.040
0.057 0.057 0.064 0.064 0.057 0.057
0.057 0.057 0.057 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.094 0.000 0.000
0.000 0.046 7 1 30.3 83.8 6.8 30. 15. Yes
22.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.009 0.009
0.009 0.009 0.009 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.008 0.000 0.000
0.000 0.008 7 1 30.3 83.8 6.8 30. 15. Yes
22.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 7 1 30.3 83.8 6.8 30. 15. Yes
22.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=22
1 1 8 2035 11 1 Total Evap 0.119 0.072
0.074 0.114 0.114 0.121 0.121 0.121 0.121
0.121 0.121 0.121 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.354 0.175 0.000 0.000
0.000 0.088 7 1 30.3 83.8 6.8 30. 15. Yes
22.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=22
1 1 9 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 23.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 23.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 1 10 GASPM 0.0038 0.0036 0.0036
0.0036 0.0036 0.0083 0.0088 0.0086 0.0103
0.0102 0.0114 0.0122 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0145 NA NA
NA 0.0035 7 1 30.3 83.8 6.8 30. 15. Yes 23.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA 0.0071 0.0037
0.0029 0.0029 0.0028 0.0028 0.0061 0.0060 0.0080
0.0109 NA NA 0.0126 0.0128 0.0037 0.0008
7 1 30.3 83.8 6.8 30. 15. Yes 23.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=23
1 1 9 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0020 0.0054
0.0030 0.0030 0.0029 0.0029 0.0048 0.0047 0.0063
0.0034 NA NA 0.0099 0.0100 0.0053 0.0004
7 1 30.3 83.8 6.8 30. 15. Yes 23.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=23
1 1 9 2035 1 7 SO4 0.0004 0.0005 0.0006
0.0006 0.0006 0.0015 0.0015 0.0015 0.0015
0.0015 0.0015 0.0015 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0015 0.0015 0.0011
0.0003 0.0006 7 1 30.3 83.8 6.8 30. 15. Yes
23.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
23.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 7 1 30.3 83.8 6.8 30. 15. Yes
23.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=23

```
1         1         9       2035       1        12             SO2      0.0064              0.0084              0.0088
            0.0115              0.0115              0.0159              0.0172              0.0173              0.0203
            0.0199              0.0218              0.0230              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0253              0.0217              0.0153
            0.0056              0.0091          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035      MPG       0         MPG             24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035      VMT       0         VMT          0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022         1         7         1          30.3      83.8       6.8       30.       15.     Yes        23.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       1         1         VOC           0.175               0.129               0.166
            0.253               0.253               0.212               0.202               0.195               0.211
            0.210               0.220               0.232               0.000               0.029               0.057
            0.130               0.149               0.174               0.188               0.232               0.288
            0.329               0.361               2.432               0.294               0.298               0.357
            0.090               0.196          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       1         2         CO            4.750               4.118               4.610
            5.521               5.723               6.263               8.089               7.862               9.182
            9.088              10.709              11.405               0.000               0.632               0.285
            0.113               0.129               0.151               0.163               0.167               0.208
            0.287               0.314              12.544              13.101               0.382               0.258
            0.371               4.429          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       1         3         NOX           0.103               0.102               0.136
            0.210               0.229               0.144               0.188               0.168               0.193
            0.191               0.217               0.230               0.000               0.021               0.033
            0.186               0.214               0.249               0.269               0.332               0.412
            0.472               0.519               1.263               0.263               0.689               0.511
            0.039               0.165          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       1         4         CO2           368.0               479.4               479.4
            624.5               624.5               875.4               944.4               948.5              1107.1
           1089.5              1190.4              1254.3                 0.0               314.1               460.4
            785.2               872.7               997.6              1029.9              1168.3              1351.4
           1544.1              1615.2               177.4              1374.9              2333.9              1646.6
            598.6               568.3          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       3         1        Hot Soak       0.029               0.014               0.015
            0.028               0.028               0.026               0.026               0.028               0.028
            0.028               0.028               0.028               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.072               0.038               0.000               0.000
            0.000               0.020          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       4         1        Diurnal        0.007               0.004               0.004
            0.007               0.007               0.009               0.009               0.012               0.012
            0.012               0.012               0.012               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.059               0.016               0.000               0.000
            0.000               0.005          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       5         1        Resting        0.013               0.006               0.006
            0.012               0.012               0.013               0.013               0.014               0.014
            0.014               0.014               0.014               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.224               0.019               0.000               0.000
            0.000               0.009          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=23
1         1         9       2035       6         1        Running        0.060               0.038               0.038
            0.055               0.055               0.061               0.061               0.055               0.055
            0.055               0.055               0.055               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.090               0.000               0.000
            0.000               0.044          7         1          30.3      83.8       6.8       30.       15.     Yes
```

23.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.009 0.009
0.009 0.009 0.009 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.008 0.000
0.000 0.008 7 1 30.3 83.8 6.8 30. 15. Yes
23.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 7 1 30.3 83.8 6.8 30. 15. Yes
23.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=23
1 1 9 2035 11 1 Total Evap 0.116 0.070
0.072 0.112 0.112 0.118 0.118 0.118 0.118
0.118 0.118 0.118 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.354 0.172 0.000 0.000
0.000 0.086 7 1 30.3 83.8 6.8 30. 15. Yes
23.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=23
1 1 10 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 1 10 GASPM 0.0038 0.0037 0.0037
0.0037 0.0037 0.0082 0.0087 0.0085 0.0102
0.0101 0.0113 0.0121 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0144 NA NA
NA 0.0036 7 1 30.3 83.8 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0071 0.0037
0.0029 0.0029 0.0028 0.0028 0.0061 0.0060 0.0080
0.0109 NA NA 0.0126 0.0128 0.0037 0.0008
7 1 30.3 83.8 6.8 30. 15. Yes 25.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=25
1 1 10 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0020 0.0054
0.0030 0.0030 0.0029 0.0029 0.0048 0.0047 0.0063
0.0034 NA NA 0.0099 0.0100 0.0053 0.0004
7 1 30.3 83.8 6.8 30. 15. Yes 25.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=25
1 1 10 2035 1 7 SO4 0.0004 0.0005 0.0005
0.0005 0.0005 0.0016 0.0016 0.0016 0.0016
0.0016 0.0016 0.0016 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0016 0.0015 0.0011
0.0003 0.0006 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 1 12 SO2 0.0064 0.0084 0.0088
0.0115 0.0115 0.0159 0.0172 0.0173 0.0202
0.0199 0.0218 0.0230 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0217 0.0153
0.0056 0.0091 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=25

```
1         1        10       2035       1        13             NH3      0.0993              0.0993              0.1017
          0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
          0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
          0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
          0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
          0.0068              0.0916          7         1          30.3      83.8       6.8       30.       15.     Yes
 25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035      MPG       0         MPG             24.1                18.5                18.5
     14.2                14.2                10.1                 9.4                 9.3                 8.0
      8.1                 7.4                 7.1                 0.0                32.4                22.1
     13.0                11.7                10.2                 9.9                 8.7                 7.5
      6.6                 6.3                50.0                 6.4                 4.4                 6.2
     17.0                16.1          7         1          30.3      83.8       6.8       30.       15.     Yes
 25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035      VMT       0         VMT           0.2812              0.1014              0.3373
          0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
          0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
          0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
          0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
          0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        25.0
No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       1         1         VOC           0.169               0.125               0.160
     0.245               0.245               0.198               0.188               0.183               0.197
     0.196               0.205               0.215               0.000               0.028               0.054
     0.122               0.140               0.163               0.176               0.217               0.269
     0.308               0.339               2.350               0.274               0.279               0.334
     0.086               0.188          7         1          30.3      83.8       6.8       30.       15.     Yes
 25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       1         2         CO            4.694               4.062               4.553
     5.450               5.650               5.717               7.384               7.177               8.382
     8.297               9.776              10.411               0.000               0.597               0.267
     0.104               0.119               0.138               0.149               0.153               0.190
     0.262               0.288              11.778              11.960               0.350               0.236
     0.349               4.354          7         1          30.3      83.8       6.8       30.       15.     Yes
 25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       1         3         NOX           0.100               0.099               0.133
     0.206               0.224               0.146               0.191               0.171               0.196
     0.194               0.220               0.233               0.000               0.020               0.032
     0.181               0.208               0.242               0.261               0.323               0.401
     0.459               0.504               1.288               0.267               0.669               0.497
     0.038               0.161          7         1          30.3      83.8       6.8       30.       15.     Yes
 25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       1         4         CO2           368.0               479.4               479.4
   624.5               624.5               875.4               944.4               948.5              1107.1
  1089.5              1190.4              1254.3                 0.0               314.1               460.4
   785.2               872.7               997.6              1029.9              1168.3              1351.4
  1544.1              1615.2               177.4              1374.9              2333.9              1646.6
   598.6               568.3          7         1          30.3      83.8       6.8       30.       15.     Yes
 25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       3         1        Hot Soak       0.029               0.014               0.015
     0.028               0.028               0.026               0.026               0.028               0.028
     0.028               0.028               0.028               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.072               0.038               0.000               0.000
     0.000               0.020          7         1          30.3      83.8       6.8       30.       15.     Yes
 25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       4         1        Diurnal        0.007               0.004               0.004
     0.007               0.007               0.009               0.009               0.012               0.012
     0.012               0.012               0.012               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.059               0.016               0.000               0.000
     0.000               0.005          7         1          30.3      83.8       6.8       30.       15.     Yes
 25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       5         1        Resting        0.013               0.006               0.006
     0.012               0.012               0.013               0.013               0.014               0.014
     0.014               0.014               0.014               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.224               0.019               0.000               0.000
     0.000               0.009          7         1          30.3      83.8       6.8       30.       15.     Yes
 25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       6         1        Running        0.055               0.035               0.036
     0.051               0.051               0.057               0.057               0.051               0.051
     0.051               0.051               0.051               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.000               0.083               0.000               0.000
     0.000               0.041          7         1          30.3      83.8       6.8       30.       15.     Yes
 25.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore County speED=25
1         1        10       2035       7         1        Crankcase      0.008               0.009               0.009
     0.010               0.010               0.010               0.010               0.009               0.009
     0.009               0.009               0.009               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.000               0.008               0.000               0.000
     0.000               0.008          7         1          30.3      83.8       6.8       30.       15.     Yes
```

25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=25
1 1 10 2035 11 1 Total Evap 0.112 0.068
0.069 0.107 0.107 0.114 0.114 0.114
0.114 0.114 0.114 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.354 0.165 0.000 0.000
0.000 0.083 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=25
1 1 11 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 29.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 29.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 1 10 GASPM 0.0039 0.0037 0.0037
0.0037 0.0037 0.0080 0.0085 0.0083 0.0100
0.0099 0.0111 0.0119 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0142 NA NA
NA 0.0036 7 1 30.3 83.8 6.8 30. 15. Yes 29.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0071 0.0037
0.0029 0.0029 0.0028 0.0028 0.0061 0.0060 0.0080
0.0109 NA NA 0.0126 0.0128 0.0037 0.0008
7 1 30.3 83.8 6.8 30. 15. Yes 29.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=29
1 1 11 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA 0.0020 0.0054
0.0030 0.0030 0.0029 0.0029 0.0048 0.0047 0.0063
0.0034 NA NA 0.0099 0.0100 0.0053 0.0004
7 1 30.3 83.8 6.8 30. 15. Yes 29.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=29
1 1 11 2035 1 7 SO4 0.0003 0.0005 0.0005
0.0005 0.0005 0.0018 0.0018 0.0018 0.0018
0.0018 0.0018 0.0018 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0018 0.0015 0.0011
0.0003 0.0005 7 1 30.3 83.8 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 7 1 30.3 83.8 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 1 12 SO2 0.0065 0.0084 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0202
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0217 0.0153
0.0056 0.0091 7 1 30.3 83.8 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 1 13 NH3 0.0993 0.0993 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0916 7 1 30.3 83.8 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=29

```
1         1        11       2035      MPG       0         MPG             24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035      VMT       0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        29.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       1         1         VOC           0.160               0.118               0.152
             0.233               0.233               0.174               0.166               0.163               0.174
             0.174               0.181               0.189               0.000               0.025               0.049
             0.108               0.123               0.144               0.155               0.192               0.238
             0.272               0.299               2.203               0.242               0.246               0.295
             0.078               0.176          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       1         2         CO            4.656               4.023               4.516
             5.400               5.600               4.908               6.340               6.161               7.196
             7.123               8.393               8.938               0.000               0.542               0.240
             0.089               0.102               0.119               0.128               0.131               0.163
             0.225               0.247              10.461              10.267               0.300               0.203
             0.314               4.284          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       1         3         NOX           0.096               0.096               0.128
             0.199               0.217               0.152               0.198               0.177               0.203
             0.201               0.228               0.241               0.000               0.020               0.031
             0.174               0.200               0.233               0.252               0.311               0.386
             0.442               0.486               1.344               0.276               0.645               0.479
             0.036               0.156          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       1         4         CO2           368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
            1544.1              1615.2               177.4              1374.9              2333.9              1646.6
             598.6               568.3          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       3         1        Hot Soak       0.029               0.014               0.015
             0.028               0.028               0.026               0.026               0.028               0.028
             0.028               0.028               0.028               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.072               0.038               0.000               0.000
             0.000               0.020          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       4         1        Diurnal        0.007               0.004               0.004
             0.007               0.007               0.009               0.009               0.012               0.012
             0.012               0.012               0.012               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.059               0.016               0.000               0.000
             0.000               0.005          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       5         1        Resting        0.013               0.006               0.006
             0.012               0.012               0.013               0.013               0.014               0.014
             0.014               0.014               0.014               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.224               0.019               0.000               0.000
             0.000               0.009          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       6         1        Running        0.048               0.030               0.031
             0.044               0.044               0.049               0.049               0.044               0.044
             0.044               0.044               0.044               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.071               0.000               0.000
             0.000               0.035          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.009               0.009
             0.009               0.009               0.009               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.008               0.000               0.000
             0.000               0.008          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=29
1         1        11       2035       8         1        Refueling      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000              NA                  NA
        NA                  NA                  NA                  NA                  NA                  NA
        NA                  NA                      0.000               0.000              NA                  NA
        NA                  NA                  7         1          30.3      83.8       6.8       30.       15.     Yes
```

29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=29
1 1 11 2035 11 1 Total Evap 0.104 0.063
0.065 0.101 0.101 0.106 0.106 0.107 0.107
0.107 0.107 0.107 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.354 0.153 0.000 0.000
0.000 0.077 7 1 30.3 83.8 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=29
1 1 12 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 1 10 GASPM 0.0039 0.0037 0.0037
0.0037 0.0037 0.0080 0.0084 0.0083 0.0100
0.0099 0.0111 0.0119 0.0000 NA NA NA NA
NA NA NA NA NA 0.0205 0.0142 NA NA
NA 0.0036 7 1 30.3 83.8 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0071 0.0037
0.0029 0.0029 0.0028 0.0028 0.0061 0.0060 0.0080
0.0109 NA NA 0.0126 0.0128 0.0037 0.0008
7 1 30.3 83.8 6.8 30. 15. Yes 30.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=30
1 1 12 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0020 0.0054
0.0030 0.0030 0.0029 0.0029 0.0048 0.0047 0.0063
0.0034 NA NA 0.0099 0.0100 0.0053 0.0004
7 1 30.3 83.8 6.8 30. 15. Yes 30.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore County speED=30
1 1 12 2035 1 7 SO4 0.0003 0.0005 0.0005
0.0005 0.0005 0.0018 0.0018 0.0018 0.0018
0.0018 0.0018 0.0018 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0019 0.0015 0.0011
0.0003 0.0005 7 1 30.3 83.8 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 7 1 30.3 83.8 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 1 12 SO2 0.0065 0.0084 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0202
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0217 0.0153
0.0056 0.0091 7 1 30.3 83.8 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 1 13 NH3 0.0993 0.0993 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0916 7 1 30.3 83.8 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=30
1 1 12 2035 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 7 1 30.3 83.8 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=30

```
1         1        12       2035      VMT       0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022              1         7         1          30.3      83.8       6.8       30.       15.     Yes        30.0
        No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       1         1         VOC           0.158               0.117               0.150
            0.231               0.231               0.169               0.162               0.159               0.169
            0.169               0.176               0.184               0.000               0.025               0.048
            0.105               0.120               0.140               0.151               0.186               0.231
            0.264               0.290               2.172               0.236               0.239               0.287
            0.076               0.174         7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       1         2         CO            4.648               4.015               4.508
            5.390               5.590               4.740               6.122               5.950               6.949
            6.878               8.105               8.631               0.000               0.530               0.234
            0.086               0.098               0.114               0.124               0.127               0.158
            0.217               0.238              10.186               9.915               0.290               0.195
            0.307               4.270         7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       1         3         NOX           0.095               0.095               0.127
            0.198               0.215               0.153               0.199               0.178               0.204
            0.202               0.230               0.243               0.000               0.019               0.031
            0.173               0.199               0.231               0.250               0.309               0.383
            0.439               0.482               1.356               0.278               0.640               0.475
            0.036               0.155         7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       1         4         CO2         368.0               479.4               479.4
            624.5               624.5               875.4               944.4               948.5              1107.1
           1089.5              1190.4              1254.3                 0.0               314.1               460.4
            785.2               872.7               997.6              1029.9              1168.3              1351.4
           1544.1              1615.2               177.4              1374.9              2333.9              1646.6
            598.6               568.3         7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       3         1        Hot Soak       0.029               0.014               0.015
            0.028               0.028               0.026               0.026               0.028               0.028
            0.028               0.028               0.028               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.072               0.038               0.000               0.000
            0.000               0.020         7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       4         1        Diurnal        0.007               0.004               0.004
            0.007               0.007               0.009               0.009               0.012               0.012
            0.012               0.012               0.012               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.059               0.016               0.000               0.000
            0.000               0.005         7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       5         1        Resting        0.013               0.006               0.006
            0.012               0.012               0.013               0.013               0.014               0.014
            0.014               0.014               0.014               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.224               0.019               0.000               0.000
            0.000               0.009         7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       6         1        Running        0.046               0.029               0.030
            0.042               0.042               0.047               0.047               0.042               0.042
            0.042               0.042               0.042               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.069               0.000               0.000
            0.000               0.034         7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       7         1        Crankcase      0.008               0.009               0.009
            0.010               0.010               0.010               0.010               0.009               0.009
            0.009               0.009               0.009               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.008               0.000               0.000
            0.000               0.008         7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035       8         1        Refueling      0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.000                NA                  NA
        NA                  NA                  NA                  NA                  NA                  NA
        NA                  NA                  0.000               0.000                NA                  NA
        NA                  NA         7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No        0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore County speED=30
1         1        12       2035      11         1        Total Evap          0.102               0.062
0.064       0.099               0.099               0.104               0.104               0.106               0.106
            0.106               0.106               0.106               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.354               0.151               0.000               0.000
            0.000               0.076         7         1          30.3      83.8       6.8       30.       15.     Yes
```

30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore County speED=30
1 1 13 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 1 10 GASPM 0.0034 0.0033 0.0033
0.0033 0.0033 0.0077 0.0081 0.0080 0.0095
0.0094 0.0105 0.0113 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0142 0.0134 NA NA
NA 0.0032 7 1 30.3 83.8 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0065 0.0034
0.0026 0.0026 0.0026 0.0026 0.0056 0.0055 0.0074
0.0100 NA NA 0.0116 0.0118 0.0034 0.0007
7 1 30.3 83.8 6.8 30. 15. Yes 20.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore County speED=20
1 1 13 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0018 0.0049
0.0027 0.0027 0.0027 0.0027 0.0044 0.0044 0.0058
0.0032 NA NA 0.0091 0.0092 0.0049 0.0004
7 1 30.3 83.8 6.8 30. 15. Yes 20.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore County speED=20
1 1 13 2035 1 7 SO4 0.0005 0.0006 0.0006
0.0006 0.0006 0.0014 0.0014 0.0014 0.0014
0.0014 0.0014 0.0014 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0014 0.0015 0.0011
0.0003 0.0006 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 9 14 Brake 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0000 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 10 15 Tire 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0030 0.0030 0.0030
0.0030 0.0030 0.0090 0.0000 0.0020 0.0020
0.0020 0.0030 0.0030 0.0030 0.0030 0.0030
0.0090 0.0090 0.0010 0.0030 0.0030 0.0030
0.0020 0.0024 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 1 12 SO2 0.0064 0.0084 0.0088
0.0115 0.0115 0.0160 0.0173 0.0173 0.0203
0.0200 0.0219 0.0230 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0253 0.0217 0.0153
0.0056 0.0091 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 1 13 NH3 0.0993 0.0993 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0916 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=20
1 1 13 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=20

```
1         1         13       2035       1         1         VOC           0.187               0.138               0.176
             0.269               0.269               0.240               0.228               0.218               0.237
             0.236               0.249               0.262               0.000               0.031               0.062
             0.146               0.166               0.194               0.210               0.259               0.321
             0.368               0.404               2.587               0.332               0.333               0.399
             0.099               0.210          7         1          30.3      83.8       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1         13       2035       1         2         CO            4.854               4.223               4.716
             5.655               5.858               7.286               9.411               9.146              10.683
            10.573              12.459              13.268               0.000               0.699               0.319
             0.131               0.150               0.175               0.189               0.194               0.241
             0.332               0.364              13.979              15.242               0.443               0.299
             0.413               4.568          7         1          30.3      83.8       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1         13       2035       1         3         NOX           0.108               0.106               0.142
             0.219               0.237               0.140               0.183               0.163               0.188
             0.186               0.211               0.223               0.000               0.022               0.035
             0.196               0.225               0.262               0.283               0.350               0.434
             0.497               0.546               1.215               0.255               0.725               0.538
             0.041               0.171          7         1          30.3      83.8       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1         13       2035       1         4         CO2           368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
            1544.1              1615.2               177.4              1374.9              2333.9              1646.6
             598.6               568.3          7         1          30.3      83.8       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1         13       2035       3         1        Hot Soak       0.029               0.014               0.015
             0.028               0.028               0.026               0.026               0.028               0.028
             0.028               0.028               0.028               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.072               0.038               0.000               0.000
             0.000               0.020          7         1          30.3      83.8       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1         13       2035       4         1        Diurnal        0.007               0.004               0.004
             0.007               0.007               0.009               0.009               0.012               0.012
             0.012               0.012               0.012               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.059               0.016               0.000               0.000
             0.000               0.005          7         1          30.3      83.8       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1         13       2035       5         1        Resting        0.013               0.006               0.006
             0.012               0.012               0.013               0.013               0.014               0.014
             0.014               0.014               0.014               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.224               0.019               0.000               0.000
             0.000               0.009          7         1          30.3      83.8       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1         13       2035       6         1        Running        0.068               0.043               0.044
             0.062               0.062               0.070               0.070               0.063               0.063
             0.063               0.063               0.063               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.103               0.000               0.000
             0.000               0.050          7         1          30.3      83.8       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1         13       2035       7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.009               0.009
             0.009               0.009               0.009               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.008               0.000               0.000
             0.000               0.008          7         1          30.3      83.8       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1         13       2035       8         1        Refueling      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000          NA                  NA
         NA                  NA                  NA                  NA                  NA                  NA
         NA                  NA                  0.000               0.000          NA                  NA
         NA                  NA                  7         1          30.3      83.8       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1         13       2035      11         1        Total Evap                0.125               0.076
0.077        0.119               0.119               0.127               0.127               0.126               0.126
             0.126               0.126               0.126               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.354               0.184               0.000               0.000
             0.000               0.092          7         1          30.3      83.8       6.8       30.       15.     Yes
          20.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=20
1         1         14       2035     VMT         0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        22.0
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        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035       1        11            Lead      0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA          0.0000              0.0000              NA        NA
        NA            0.0000         7        1         30.3      83.8       6.8       30.       15.     Yes        22.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035       1        10           GASPM      0.0035              0.0034              0.0033
            0.0033              0.0033              0.0076              0.0080              0.0079              0.0094
            0.0093              0.0104              0.0112              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA          0.0142              0.0133              NA        NA
        NA            0.0032         7        1         30.3      83.8       6.8       30.       15.     Yes        22.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035       1         9         ECARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0065            0.0034
0.0026      0.0026              0.0026              0.0026              0.0056              0.0055              0.0074
            0.0100          NA        NA          0.0116              0.0118              0.0034              0.0007
        7        1         30.3      83.8       6.8       30.       15.     Yes        22.0     No         0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=22
 1        1        14       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0018            0.0049
0.0027      0.0027              0.0027              0.0027              0.0044              0.0044              0.0058
            0.0032          NA        NA          0.0091              0.0092              0.0049              0.0004
        7        1         30.3      83.8       6.8       30.       15.     Yes        22.0     No         0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=22
 1        1        14       2035       1         7             SO4      0.0004              0.0005              0.0006
            0.0006              0.0006              0.0015              0.0015              0.0015              0.0015
            0.0015              0.0015              0.0015              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0002              0.0015              0.0015              0.0011
            0.0003              0.0006         7        1         30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035       9        14           Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053         7        1         30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035      10        15            Tire      0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024         7        1         30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035       1        12             SO2      0.0064              0.0084              0.0088
            0.0115              0.0115              0.0159              0.0172              0.0173              0.0203
            0.0199              0.0218              0.0230              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0253              0.0217              0.0153
            0.0056              0.0091         7        1         30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916         7        1         30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035      MPG        0           MPG         24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1         7        1         30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035      VMT        0           VMT       0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022         1         7        1         30.3      83.8       6.8       30.       15.     Yes        22.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
 1        1        14       2035       1         1           VOC         0.179               0.132               0.169
             0.258               0.258               0.221               0.210               0.202               0.219
             0.218               0.229               0.241               0.000               0.030               0.058
             0.135               0.154               0.180               0.194               0.240               0.298
             0.341               0.374               2.479               0.306               0.308               0.370
             0.093               0.200         7        1         30.3      83.8       6.8       30.       15.     Yes
         22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=22
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1         1        14       2035       1         2         CO            4.781               4.150               4.642
             5.562               5.764               6.573               8.490               8.251               9.637
             9.538              11.239              11.970               0.000               0.653               0.295
             0.119               0.136               0.158               0.171               0.176               0.218
             0.300               0.329              12.978              13.750               0.401               0.271
             0.384               4.471          7         1          30.3      83.8       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       1         3         NOX           0.104               0.103               0.138
             0.213               0.231               0.143               0.187               0.167               0.192
             0.190               0.215               0.228               0.000               0.021               0.034
             0.189               0.217               0.253               0.273               0.338               0.419
             0.480               0.527               1.248               0.260               0.700               0.519
             0.039               0.167          7         1          30.3      83.8       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       1         4         CO2           368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
            1544.1              1615.2               177.4              1374.9              2333.9              1646.6
             598.6               568.3          7         1          30.3      83.8       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       3         1        Hot Soak       0.029               0.014               0.015
             0.028               0.028               0.026               0.026               0.028               0.028
             0.028               0.028               0.028               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.072               0.038               0.000               0.000
             0.000               0.020          7         1          30.3      83.8       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       4         1        Diurnal        0.007               0.004               0.004
             0.007               0.007               0.009               0.009               0.012               0.012
             0.012               0.012               0.012               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.059               0.016               0.000               0.000
             0.000               0.005          7         1          30.3      83.8       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       5         1        Resting        0.013               0.006               0.006
             0.012               0.012               0.013               0.013               0.014               0.014
             0.014               0.014               0.014               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.224               0.019               0.000               0.000
             0.000               0.009          7         1          30.3      83.8       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       6         1        Running        0.062               0.039               0.040
             0.057               0.057               0.064               0.064               0.057               0.057
             0.057               0.057               0.057               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.094               0.000               0.000
             0.000               0.046          7         1          30.3      83.8       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.009               0.009
             0.009               0.009               0.009               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.008               0.000               0.000
             0.000               0.008          7         1          30.3      83.8       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035       8         1        Refueling      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000          NA                  NA
         NA                  NA                  NA                  NA                  NA                  NA
         NA                  NA                      0.000               0.000          NA                  NA
         NA                  NA                  7         1          30.3      83.8       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        14       2035      11         1        Total Evap                0.119               0.072
0.074        0.114               0.114               0.121               0.121               0.121               0.121
             0.121               0.121               0.121               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.354               0.175               0.000               0.000
             0.000               0.088          7         1          30.3      83.8       6.8       30.       15.     Yes
          22.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore County speED=22
1         1        15       2035      VMT        0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        23.0
         No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
         0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       1        11            Lead      0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
         NA        NA        NA        NA        NA        NA        0.0000              0.0000              NA        NA
         NA            0.0000          7         1          30.3      83.8       6.8       30.       15.     Yes        23.0
         No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
         0.000     0.000      2.50      Baltimore County speED=23
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1         1        15       2035       1        10           GASPM      0.0035              0.0034              0.0034
            0.0034              0.0034              0.0076              0.0080              0.0079              0.0094
            0.0093              0.0104              0.0112              0.0000          NA          NA          NA          NA
          NA        NA        NA        NA        NA        NA              0.0142              0.0132          NA          NA
          NA            0.0032          7         1          30.3      83.8       6.8       30.       15.     Yes        23.0
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       1         9         ECARBON  NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0065            0.0034
0.0026        0.0026              0.0026              0.0026              0.0056              0.0055              0.0074
            0.0100          NA        NA              0.0116              0.0118              0.0034              0.0007
          7         1         30.3      83.8       6.8       30.       15.     Yes        23.0     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
           Baltimore County speED=23
1         1        15       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0018            0.0049
0.0027        0.0027              0.0027              0.0027              0.0044              0.0044              0.0058
            0.0032          NA        NA              0.0091              0.0092              0.0049              0.0004
          7         1         30.3      83.8       6.8       30.       15.     Yes        23.0     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
           Baltimore County speED=23
1         1        15       2035       1         7             SO4      0.0004              0.0005              0.0006
            0.0006              0.0006              0.0015              0.0015              0.0015              0.0015
            0.0015              0.0015              0.0015              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0002              0.0015              0.0015              0.0011
            0.0003              0.0006          7         1          30.3      83.8       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       9        14           Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053          7         1          30.3      83.8       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035      10        15            Tire      0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024          7         1          30.3      83.8       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       1        12             SO2      0.0064              0.0084              0.0088
            0.0115              0.0115              0.0159              0.0172              0.0173              0.0203
            0.0199              0.0218              0.0230              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0253              0.0217              0.0153
            0.0056              0.0091          7         1          30.3      83.8       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916          7         1          30.3      83.8       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035      MPG        0         MPG            24.1                18.5                18.5
              14.2                14.2                10.1                 9.4                 9.3                 8.0
               8.1                 7.4                 7.1                 0.0                32.4                22.1
              13.0                11.7                10.2                 9.9                 8.7                 7.5
               6.6                 6.3                50.0                 6.4                 4.4                 6.2
              17.0                16.1          7         1          30.3      83.8       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035      VMT        0         VMT            0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        23.0
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       1         1           VOC           0.175               0.129               0.166
             0.253               0.253               0.212               0.202               0.195               0.211
             0.210               0.220               0.232               0.000               0.029               0.057
             0.130               0.149               0.174               0.188               0.232               0.288
             0.329               0.361               2.432               0.294               0.298               0.357
             0.090               0.196          7         1          30.3      83.8       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       1         2            CO           4.750               4.118               4.610
             5.521               5.723               6.263               8.089               7.862               9.182
             9.088              10.709              11.405               0.000               0.632               0.285
             0.113               0.129               0.151               0.163               0.167               0.208
             0.287               0.314              12.544              13.101               0.382               0.258
             0.371               4.429          7         1          30.3      83.8       6.8       30.       15.     Yes
           23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore County speED=23
1         1        15       2035       1         3           NOX           0.103               0.102               0.136
             0.210               0.229               0.144               0.188               0.168               0.193
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            0.191              0.217              0.230              0.000              0.021              0.033
            0.186              0.214              0.249              0.269              0.332              0.412
            0.472              0.519              1.263              0.263              0.689              0.511
            0.039              0.165          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035       1         4         CO2          368.0              479.4              479.4
            624.5              624.5              875.4              944.4              948.5             1107.1
           1089.5             1190.4             1254.3                0.0              314.1              460.4
            785.2              872.7              997.6             1029.9             1168.3             1351.4
           1544.1             1615.2              177.4             1374.9             2333.9             1646.6
            598.6              568.3          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035       3         1        Hot Soak      0.029              0.014              0.015
            0.028              0.028              0.026              0.026              0.028              0.028
            0.028              0.028              0.028              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.072              0.038              0.000              0.000
            0.000              0.020          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035       4         1        Diurnal       0.007              0.004              0.004
            0.007              0.007              0.009              0.009              0.012              0.012
            0.012              0.012              0.012              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.059              0.016              0.000              0.000
            0.000              0.005          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035       5         1        Resting       0.013              0.006              0.006
            0.012              0.012              0.013              0.013              0.014              0.014
            0.014              0.014              0.014              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.224              0.019              0.000              0.000
            0.000              0.009          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035       6         1        Running       0.060              0.038              0.038
            0.055              0.055              0.061              0.061              0.055              0.055
            0.055              0.055              0.055              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.090              0.000              0.000
            0.000              0.044          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035       7         1        Crankcase     0.008              0.009              0.009
            0.010              0.010              0.010              0.010              0.009              0.009
            0.009              0.009              0.009              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.008              0.000              0.000
            0.000              0.008          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035       8         1        Refueling     0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000             NA                 NA
        NA                 NA                 NA                 NA                 NA                 NA
        NA                 NA                 0.000              0.000             NA                 NA
        NA                 NA                 7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        15       2035      11         1        Total Evap                0.116              0.070
0.072        0.112              0.112              0.118              0.118              0.118              0.118
            0.118              0.118              0.118              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.354              0.172              0.000              0.000
            0.000              0.086          7         1          30.3      83.8       6.8       30.       15.     Yes
         23.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=23
 1        1        16       2035     VMT        0         VMT          0.2812             0.1014             0.3373
           0.1035             0.0476             0.0275             0.0010             0.0003             0.0010
           0.0020             0.0008             0.0000             0.0000             0.0000             0.0045
           0.0082             0.0026             0.0027             0.0013             0.0060             0.0087
           0.0103             0.0365             0.0024             0.0003             0.0037             0.0070
           0.0022         1         7         1          30.3      83.8       6.8       30.       15.     Yes        25.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1        11            Lead      0.0000             0.0000             0.0000
           0.0000             0.0000             0.0000             0.0000             0.0000             0.0000
           0.0000             0.0000             0.0000             0.0000            NA         NA         NA         NA
        NA         NA         NA         NA         NA         NA         0.0000             0.0000            NA         NA
        NA            0.0000         7         1          30.3      83.8       6.8       30.       15.     Yes        25.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1        10           GASPM      0.0035             0.0034             0.0034
           0.0034             0.0034             0.0075             0.0079             0.0078             0.0093
           0.0092             0.0103             0.0111             0.0000            NA         NA         NA         NA
        NA         NA         NA         NA         NA         NA         0.0142             0.0132            NA         NA
        NA            0.0033         7         1          30.3      83.8       6.8       30.       15.     Yes        25.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1         9         ECARBON  NA         NA         NA         NA         NA         NA
        NA         NA         NA         NA         NA         NA         NA            0.0065             0.0034
0.0026       0.0026             0.0026             0.0026             0.0056             0.0055             0.0074
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            0.0100          NA        NA           0.0116              0.0118              0.0034              0.0007
        7         1          30.3      83.8       6.8       30.       15.     Yes        25.0     No         0.00      0.00
         0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=25
 1        1        16       2035       1         8         OCARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA        0.0018              0.0049
0.0027      0.0027              0.0027              0.0027              0.0044              0.0044              0.0058
            0.0032          NA        NA           0.0091              0.0092              0.0049              0.0004
        7         1          30.3      83.8       6.8       30.       15.     Yes        25.0     No         0.00      0.00
         0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=25
 1        1        16       2035       1         7             SO4      0.0004              0.0005              0.0005
            0.0005              0.0005              0.0016              0.0016              0.0016              0.0016
            0.0016              0.0016              0.0016              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0001              0.0016              0.0015              0.0011
            0.0003              0.0006           7         1          30.3      83.8       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       9        14             Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053           7         1          30.3      83.8       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035      10        15             Tire       0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024           7         1          30.3      83.8       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1        12             SO2      0.0064              0.0084              0.0088
            0.0115              0.0115              0.0159              0.0172              0.0173              0.0202
            0.0199              0.0218              0.0230              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0252              0.0217              0.0153
            0.0056              0.0091           7         1          30.3      83.8       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916           7         1          30.3      83.8       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035      MPG        0         MPG         24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1           7         1          30.3      83.8       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035      VMT        0         VMT         0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        25.0
        No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1         1         VOC          0.169               0.125               0.160
             0.245               0.245               0.198               0.188               0.183               0.197
             0.196               0.205               0.215               0.000               0.028               0.054
             0.122               0.140               0.163               0.176               0.217               0.269
             0.308               0.339               2.350               0.274               0.279               0.334
             0.086               0.188           7         1          30.3      83.8       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1         2         CO           4.694               4.062               4.553
             5.450               5.650               5.717               7.384               7.177               8.382
             8.297               9.776              10.411               0.000               0.597               0.267
             0.104               0.119               0.138               0.149               0.153               0.190
             0.262               0.288              11.778              11.960               0.350               0.236
             0.349               4.354           7         1          30.3      83.8       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1         3         NOX          0.100               0.099               0.133
             0.206               0.224               0.146               0.191               0.171               0.196
             0.194               0.220               0.233               0.000               0.020               0.032
             0.181               0.208               0.242               0.261               0.323               0.401
             0.459               0.504               1.288               0.267               0.669               0.497
             0.038               0.161           7         1          30.3      83.8       6.8       30.       15.     Yes
         25.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=25
 1        1        16       2035       1         4         CO2         368.0               479.4               479.4
             624.5               624.5               875.4               944.4               948.5              1107.1
            1089.5              1190.4              1254.3                 0.0               314.1               460.4
             785.2               872.7               997.6              1029.9              1168.3              1351.4
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1544.1 1615.2 177.4 1374.9 2333.9 1646.6
598.6 568.3 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=25
1 1 16 2035 3 1 Hot Soak 0.029 0.014 0.015
0.028 0.028 0.026 0.026 0.028 0.028
0.028 0.028 0.028 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.072 0.038 0.000 0.000
0.000 0.020 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=25
1 1 16 2035 4 1 Diurnal 0.007 0.004 0.004
0.007 0.007 0.009 0.009 0.012 0.012
0.012 0.012 0.012 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.059 0.016 0.000 0.000
0.000 0.005 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=25
1 1 16 2035 5 1 Resting 0.013 0.006 0.006
0.012 0.012 0.013 0.013 0.014 0.014
0.014 0.014 0.014 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.224 0.019 0.000 0.000
0.000 0.009 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=25
1 1 16 2035 6 1 Running 0.055 0.035 0.036
0.051 0.051 0.057 0.057 0.051 0.051
0.051 0.051 0.051 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.083 0.000 0.000
0.000 0.041 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=25
1 1 16 2035 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.009 0.009
0.009 0.009 0.009 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.008 0.000 0.000
0.000 0.008 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=25
1 1 16 2035 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=25
1 1 16 2035 11 1 Total Evap 0.112 0.068
0.069 0.107 0.107 0.114 0.114 0.114 0.114
0.114 0.114 0.114 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.354 0.165 0.000 0.000
0.000 0.083 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=25
1 1 17 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 29.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=29
1 1 17 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 29.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=29
1 1 17 2035 1 10 GASPM 0.0036 0.0034 0.0034
0.0034 0.0034 0.0073 0.0077 0.0076 0.0092
0.0090 0.0101 0.0109 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0142 0.0130 NA NA
NA 0.0033 7 1 30.3 83.8 6.8 30. 15. Yes 29.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=29
1 1 17 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0065 0.0034
0.0026 0.0026 0.0026 0.0026 0.0056 0.0055 0.0074
0.0100 NA NA 0.0116 0.0118 0.0034 0.0007
7 1 30.3 83.8 6.8 30. 15. Yes 29.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore County speED=29
1 1 17 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0018 0.0049
0.0027 0.0027 0.0027 0.0027 0.0044 0.0044 0.0058
0.0032 NA NA 0.0091 0.0092 0.0049 0.0004
7 1 30.3 83.8 6.8 30. 15. Yes 29.0 No 0.00 0.00

```
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore County speED=29
1         1        17       2035       1         7             SO4      0.0003              0.0005              0.0005
            0.0005              0.0005              0.0018              0.0018              0.0018              0.0018
            0.0018              0.0018              0.0018              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0001              0.0018              0.0015              0.0011
            0.0003              0.0005          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=29
1         1        17       2035       9        14           Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=29
1         1        17       2035      10        15            Tire      0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=29
1         1        17       2035       1        12             SO2      0.0065              0.0084              0.0088
            0.0115              0.0115              0.0158              0.0171              0.0172              0.0202
            0.0198              0.0217              0.0229              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0252              0.0217              0.0153
            0.0056              0.0091          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=29
1         1        17       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=29
1         1        17       2035     MPG        0         MPG        24.1                18.5                18.5
              14.2                14.2                10.1                 9.4                 9.3                 8.0
               8.1                 7.4                 7.1                 0.0                32.4                22.1
              13.0                11.7                10.2                 9.9                 8.7                 7.5
               6.6                 6.3                50.0                 6.4                 4.4                 6.2
              17.0                16.1          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=29
1         1        17       2035     VMT        0         VMT      0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        29.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=29
1         1        17       2035       1         1           VOC       0.160               0.118               0.152
              0.233               0.233               0.174               0.166               0.163               0.174
              0.174               0.181               0.189               0.000               0.025               0.049
              0.108               0.123               0.144               0.155               0.192               0.238
              0.272               0.299               2.203               0.242               0.246               0.295
              0.078               0.176          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=29
1         1        17       2035       1         2            CO      4.656               4.023               4.516
              5.400               5.600               4.908               6.340               6.161               7.196
              7.123               8.393               8.938               0.000               0.542               0.240
              0.089               0.102               0.119               0.128               0.131               0.163
              0.225               0.247              10.461              10.267               0.300               0.203
              0.314               4.284          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=29
1         1        17       2035       1         3           NOX       0.096               0.096               0.128
              0.199               0.217               0.152               0.198               0.177               0.203
              0.201               0.228               0.241               0.000               0.020               0.031
              0.174               0.200               0.233               0.252               0.311               0.386
              0.442               0.486               1.344               0.276               0.645               0.479
              0.036               0.156          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=29
1         1        17       2035       1         4           CO2       368.0               479.4               479.4
              624.5               624.5               875.4               944.4               948.5              1107.1
             1089.5              1190.4              1254.3                 0.0               314.1               460.4
              785.2               872.7               997.6              1029.9              1168.3              1351.4
             1544.1              1615.2               177.4              1374.9              2333.9              1646.6
              598.6               568.3          7         1          30.3      83.8       6.8       30.       15.     Yes
         29.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=29
1         1        17       2035       3         1        Hot Soak       0.029               0.014               0.015
              0.028               0.028               0.026               0.026               0.028               0.028
              0.028               0.028               0.028               0.000               0.000               0.000
              0.000               0.000               0.000               0.000               0.000               0.000
              0.000               0.000               0.072               0.038               0.000               0.000
```

0.000 0.020 7 1 30.3 83.8 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=29
1 1 17 2035 4 1 Diurnal 0.007 0.004 0.004
0.007 0.007 0.009 0.009 0.012 0.012
0.012 0.012 0.012 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.059 0.016 0.000 0.000
0.000 0.005 7 1 30.3 83.8 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=29
1 1 17 2035 5 1 Resting 0.013 0.006 0.006
0.012 0.012 0.013 0.013 0.014 0.014
0.014 0.014 0.014 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.224 0.019 0.000 0.000
0.000 0.009 7 1 30.3 83.8 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=29
1 1 17 2035 6 1 Running 0.048 0.030 0.031
0.044 0.044 0.049 0.049 0.044 0.044
0.044 0.044 0.044 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.071 0.000 0.000
0.000 0.035 7 1 30.3 83.8 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=29
1 1 17 2035 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.009 0.009
0.009 0.009 0.009 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.008 0.000 0.000
0.000 0.008 7 1 30.3 83.8 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=29
1 1 17 2035 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 7 1 30.3 83.8 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=29
1 1 17 2035 11 1 Total Evap 0.104 0.063
0.065 0.101 0.101 0.106 0.106 0.107 0.107
0.107 0.107 0.107 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.354 0.153 0.000 0.000
0.000 0.077 7 1 30.3 83.8 6.8 30. 15. Yes
29.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=29
1 1 18 2035 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 1 10 GASPM 0.0036 0.0034 0.0034
0.0034 0.0034 0.0073 0.0077 0.0076 0.0091
0.0090 0.0101 0.0109 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0142 0.0130 NA NA
NA 0.0033 7 1 30.3 83.8 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore County speED=30
1 1 18 2035 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA 0.0065 0.0034
0.0026 0.0026 0.0026 0.0026 0.0056 0.0055 0.0074
0.0100 NA NA 0.0116 0.0118 0.0034 0.0007
7 1 30.3 83.8 6.8 30. 15. Yes 30.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore County speED=30
1 1 18 2035 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0018 0.0049
0.0027 0.0027 0.0027 0.0027 0.0044 0.0044 0.0058
0.0032 NA NA 0.0091 0.0092 0.0049 0.0004
7 1 30.3 83.8 6.8 30. 15. Yes 30.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore County speED=30
1 1 18 2035 1 7 SO4 0.0003 0.0005 0.0005
0.0005 0.0005 0.0018 0.0018 0.0018 0.0018
0.0018 0.0018 0.0018 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0019 0.0015 0.0011
0.0003 0.0005 7 1 30.3 83.8 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore County speED=30

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1         1        18       2035       9        14           Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              7         1         30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
1         1        18       2035      10        15            Tire      0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024              7         1         30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
1         1        18       2035       1        12             SO2      0.0065              0.0084              0.0088
            0.0115              0.0115              0.0158              0.0171              0.0172              0.0202
            0.0198              0.0217              0.0229              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0252              0.0217              0.0153
            0.0056              0.0091              7         1         30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
1         1        18       2035       1        13             NH3      0.0993              0.0993              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0916              7         1         30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
1         1        18       2035     MPG         0         MPG        24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1              7         1         30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
1         1        18       2035     VMT         0         VMT       0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022         1         7         1         30.3      83.8       6.8       30.       15.     Yes        30.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore County speED=30
1         1        18       2035       1         1         VOC       0.158               0.117               0.150
             0.231               0.231               0.169               0.162               0.159               0.169
             0.169               0.176               0.184               0.000               0.025               0.048
             0.105               0.120               0.140               0.151               0.186               0.231
             0.264               0.290               2.172               0.236               0.239               0.287
             0.076               0.174              7         1         30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
1         1        18       2035       1         2         CO        4.648               4.015               4.508
             5.390               5.590               4.740               6.122               5.950               6.949
             6.878               8.105               8.631               0.000               0.530               0.234
             0.086               0.098               0.114               0.124               0.127               0.158
             0.217               0.238              10.186               9.915               0.290               0.195
             0.307               4.270              7         1         30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
1         1        18       2035       1         3         NOX       0.095               0.095               0.127
             0.198               0.215               0.153               0.199               0.178               0.204
             0.202               0.230               0.243               0.000               0.019               0.031
             0.173               0.199               0.231               0.250               0.309               0.383
             0.439               0.482               1.356               0.278               0.640               0.475
             0.036               0.155              7         1         30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
1         1        18       2035       1         4         CO2       368.0               479.4               479.4
            624.5               624.5               875.4               944.4               948.5              1107.1
           1089.5              1190.4              1254.3                 0.0               314.1               460.4
            785.2               872.7               997.6              1029.9              1168.3              1351.4
           1544.1              1615.2               177.4              1374.9              2333.9              1646.6
            598.6               568.3              7         1         30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
1         1        18       2035       3         1        Hot Soak       0.029               0.014               0.015
             0.028               0.028               0.026               0.026               0.028               0.028
             0.028               0.028               0.028               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.072               0.038               0.000               0.000
             0.000               0.020              7         1         30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
1         1        18       2035       4         1        Diurnal       0.007               0.004               0.004
             0.007               0.007               0.009               0.009               0.012               0.012
             0.012               0.012               0.012               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.059               0.016               0.000               0.000
             0.000               0.005              7         1         30.3      83.8       6.8       30.       15.     Yes
```

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         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
 1        1        18       2035       5         1        Resting        0.013               0.006               0.006
             0.012               0.012               0.013               0.013               0.014               0.014
             0.014               0.014               0.014               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.224               0.019               0.000               0.000
             0.000               0.009           7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
 1        1        18       2035       6         1        Running        0.046               0.029               0.030
             0.042               0.042               0.047               0.047               0.042               0.042
             0.042               0.042               0.042               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.069               0.000               0.000
             0.000               0.034           7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
 1        1        18       2035       7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.009               0.009
             0.009               0.009               0.009               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.008               0.000               0.000
             0.000               0.008           7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
 1        1        18       2035       8         1        Refueling      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000           NA                  NA
        NA                  NA                  NA                  NA                  NA                  NA
        NA                  NA                      0.000               0.000           NA                  NA
        NA                  NA                  7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
 1        1        18       2035      11         1        Total Evap               0.102               0.062
0.064        0.099               0.099               0.104               0.104               0.106               0.106
             0.106               0.106               0.106               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.354               0.151               0.000               0.000
             0.000               0.076           7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore County speED=30
```

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MOBILE6 INPUT FILE Baltimore City

REPORT FILE        :  C:\mobile62\Mobile6\Run\Balt\2035\rcity35w.out      REPLACE
DATABASE OUTPUT    :
WITH FIELDNAMES    :
EMISSIONS TABLE    :  C:\mobile62\Mobile6\Run\Balt\2035\rcity35w.tbl    REPLACE
POLLUTANTS         :  HC CO NOX CO2
AGGREGATED OUTPUT  :
PARTICULATES       : SO4 OCARBON ECARBON GASPM LEAD SO2 NH3 BRAKE TIRE
RUN DATA           :

FUEL RVP           : 6.8
EXPRESS HC AS VOC  :
NO REFUELING       :
ANTI-TAMP PROGRAM  :         89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : C:\mobile62\Mobile6\Run\Balt\2035\im2010.d
T2 EXH PHASE-IN    : C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11
T2 EVAP PHASE-IN   : C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11
T2 CERT            : C:\mobile62\Mobile6\Run\Balt\LevIIStd.d
94+ LDG IMP        : C:\mobile62\Mobile6\Run\Balt\LevII94.S11
REG DISTRIBUTION   : C:\mobile62\Mobile6\Run\Balt\regdat05.bal
REBUILD EFFECTS    : .90
DIESEL FRACTIONS   :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001
0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085
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0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
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0.9585 0.9585 0.9585 0.9585 0.9585


SCENARIO RECORD    : Baltimore City speED=2.5

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
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EVALUATION MONTH   : 1
AVERAGE SPEED      : 2.5 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=5.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 5.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=6.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 6.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
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*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=7.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 7.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=8.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 8.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=9.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
```

```
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 9.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=10.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 10.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=11

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 11. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
```

```
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=12

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 12. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=13

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 13. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
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VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=14.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 14. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=15

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 15. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=16

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
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66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 16. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=17

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 17. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=18

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 18. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
```

```
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=19

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 19. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=20

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 20. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=21.
```

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PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 21. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=22

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 22. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=23

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 23. ARTERIAL
```

```
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=24

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 24. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=25

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 25. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
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                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=26

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 26. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=27

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 27. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=28.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
```

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34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 28. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=29.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 29. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=30.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 30. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
```

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OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=31

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 31. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=32.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 32. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def
```

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SCENARIO RECORD    : Baltimore City speED=33

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 33. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=34.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 34. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=35

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
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CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 35. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=36

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 36. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=37

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 37. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
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*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=38

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 38. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=39

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 39. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=40

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
```

```
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 40. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=41

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 41. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=42

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 42. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
```

```
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=43

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 43. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=44

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 44. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
```

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VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=45

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 45. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=46

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 46. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=47

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
```

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RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 47. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=48

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 48. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=49

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 49. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
```

```
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD     : Baltimore City speED=50

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2035
EVALUATION MONTH    : 1
AVERAGE SPEED       : 50. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD     : Baltimore City speED=51

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2035
EVALUATION MONTH    : 1
AVERAGE SPEED       : 51. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def
```

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SCENARIO RECORD    : Baltimore City speED=52

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 52. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=53

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 53. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=54

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
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EVALUATION MONTH   : 1
AVERAGE SPEED      : 54. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=55

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 55. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=56

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 56. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
```

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*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=57

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 57. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=58

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 58. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=59

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
```

```
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 59. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=60

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 60. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=61

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 61. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
```

```
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=62

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 62. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=63

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 63. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
```

```
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=64

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 64. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def

SCENARIO RECORD    : Baltimore City speED=65

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 65. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V001103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V001103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V001103S.def


END OF RUN         :
```

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: RCITY35W.INP (file 1, run 1).                             *
*************************************************************************
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


* Reading I/M program description records from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\IM2010.D
*IM Program.  Idle, IM240, and OBD.
*Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

* Reading non-default I/M CUTPOINTS from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\CUTPNT35.D
*CY 2018.
*EPA Final Cutpoints.

  Reading User Supplied Tier2 Exhaust bin phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11


  Reading User Supplied Tier2 EVAP phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11


  Reading User Supplied Tier2 50K certification standards

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIStd.d


* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11

* Reading Registration Distributions from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\REGDAT05.BAL
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M614 Comment:
               User supplied diesel sale fractions.

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=2.5
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  2.5
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
```

```
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
 HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      1.453     1.075     1.759     1.250     1.862    0.060     0.145     0.743
9.39     1.295
     Composite CO  :     18.47     16.25     20.68     17.38     33.45     1.796     0.944     0.970
86.37    16.841
     Composite NOX :      0.228     0.287     0.500     0.341     0.132    0.038     0.064     0.818
1.79     0.346
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV
```

```
* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  5.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
             Maximum Temperature:  38.4 (F)
               Minimum Rel. Hum.:  58.2 (%)
               Maximum Rel. Hum.:  74.9 (%)
             Barometric Pressure: 29.80 (inches Hg)
                Nominal Fuel RVP:   6.8 psi
                   Weathered RVP:   6.8 psi
             Fuel Sulfur Content:   30. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  No

             User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.476     0.412     0.690     0.484     0.796    0.054     0.129     0.653
6.15     0.517
     Composite CO  :     13.28     11.50     14.27     12.21     26.72     1.504     0.786     0.792
51.57    12.010
     Composite NOX :      0.202     0.253     0.439     0.301     0.135    0.034     0.057     0.735
1.68     0.307
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
```

```
* Baltimore City speED=6.0
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  6.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
```

```
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.396     0.352     0.590     0.413     0.675    0.050     0.120     0.606
5.33     0.443
     Composite CO  :     12.48     10.74     13.26     11.39     23.74     1.370     0.713     0.710
43.38    11.175
     Composite NOX :      0.189     0.237     0.413     0.282     0.137    0.032     0.054     0.694
1.64     0.289
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=7.0
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  7.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No
```

```
              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.339     0.308     0.518     0.362     0.588    0.048     0.115     0.572
4.74     0.390
     Composite CO  :     11.90     10.20     12.53     10.80     21.61     1.274     0.661     0.651
37.53    10.578
     Composite NOX :      0.181     0.226     0.394     0.269     0.139    0.031     0.052     0.664
1.62     0.276
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=8.0
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  8.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
```

```
                    Altitude:  Low
          Minimum Temperature:  29.8 (F)
          Maximum Temperature:  38.4 (F)
            Minimum Rel. Hum.:  58.2 (%)
            Maximum Rel. Hum.:  74.9 (%)
          Barometric Pressure: 29.80 (inches Hg)
             Nominal Fuel RVP:   6.8 psi
                Weathered RVP:   6.8 psi
          Fuel Sulfur Content:   30. ppm

          Exhaust I/M Program:  Yes
             Evap I/M Program:  Yes
                  ATP Program:  Yes
             Reformulated Gas:  No

          User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.297     0.276     0.464     0.324     0.523    0.046     0.110     0.547
4.30     0.350
     Composite CO  :     11.47      9.80     11.99     10.36     20.02     1.203     0.622     0.607
33.14    10.131
     Composite NOX :      0.174     0.218     0.380     0.259     0.140    0.030     0.050     0.641
1.61     0.266
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=9.0
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  9.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
```

```
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.264     0.250     0.422     0.294     0.473    0.045     0.107     0.528
3.96     0.319
     Composite CO  :     11.14      9.49     11.57     10.02     18.77     1.147     0.592     0.573
29.73     9.783
     Composite NOX :      0.169     0.211     0.369     0.252     0.141    0.029     0.049     0.624
1.59     0.259
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=10.0
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
```

```
  M583 Warning:
            The user supplied arterial average speed of 10.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.237     0.230     0.389     0.271     0.433    0.044     0.104     0.512
3.69     0.295
     Composite CO  :     10.87      9.23     11.23      9.74     17.78     1.102     0.567     0.546
27.00     9.505
     Composite NOX :      0.165     0.206     0.360     0.246     0.142    0.028     0.048     0.610
1.58     0.253
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=11
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV
```

```
* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 11.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.223     0.217     0.366     0.255     0.397    0.042     0.099     0.485
3.46     0.277
```

```
     Composite CO  :     10.68      9.04     10.97      9.54     16.34     1.034     0.530     0.504
24.83     9.272
     Composite NOX :      0.158     0.198     0.347     0.236     0.144    0.027     0.046     0.587
1.59     0.243
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=12
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 12.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.210     0.206     0.348     0.243     0.367    0.040     0.095     0.462
3.27     0.263
     Composite CO  :     10.52      8.88     10.76      9.36     15.14     0.978     0.500     0.470
23.02     9.077
     Composite NOX :      0.153     0.191     0.335     0.228     0.145    0.026     0.044     0.567
1.59     0.236
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=13
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 13.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
```

```
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.200     0.197     0.332     0.232     0.341    0.039     0.092     0.442
3.11     0.251
     Composite CO  :     10.38      8.75     10.58      9.22     14.12     0.930     0.474     0.441
21.49     8.913
     Composite NOX :      0.148     0.185     0.326     0.221     0.147    0.026     0.043     0.551
1.60     0.229
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=14.
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 14.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
```

```
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.191     0.189     0.319     0.223     0.319    0.038     0.089     0.426
2.97     0.240
     Composite CO  :     10.26      8.63     10.42      9.09     13.25     0.889     0.452     0.416
20.18     8.772
     Composite NOX :      0.144     0.180     0.318     0.216     0.148    0.025     0.042     0.537
1.60     0.223
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=15
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 15.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
```

```
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.184     0.183     0.307     0.215     0.300    0.036     0.086     0.411
2.85     0.231
     Composite CO  :     10.16      8.53     10.29      8.98     12.50     0.853     0.432     0.394
19.04     8.649
     Composite NOX :      0.141     0.176     0.311     0.211     0.149    0.024     0.041     0.524
1.60     0.218
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=16
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
```

```
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 16.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.177     0.177     0.297     0.208     0.281    0.035     0.083     0.393
2.75     0.223
     Composite CO  :     10.07      8.45     10.17      8.89     11.69     0.814     0.411     0.370
18.12     8.537
     Composite NOX :      0.138     0.172     0.305     0.206     0.151    0.024     0.040     0.510
1.62     0.214
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
```

```
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=17
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 17.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.171     0.171     0.288     0.201     0.264    0.034     0.080     0.376
2.67     0.215
     Composite CO  :      9.99      8.37     10.07      8.81     10.98     0.779     0.392     0.349
17.31     8.439
     Composite NOX :      0.135     0.169     0.299     0.202     0.152    0.023     0.039     0.498
1.64     0.210
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=18
* File 1, Run 1, Scenario 15.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 18.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.166     0.167     0.280     0.196     0.249    0.033     0.077     0.362
2.59     0.208
     Composite CO  :      9.92      8.30      9.98      8.73     10.35     0.748     0.375     0.330
16.59     8.351
     Composite NOX :      0.133     0.166     0.294     0.199     0.153    0.023     0.038     0.486
1.66     0.206
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=19
* File 1, Run 1, Scenario 16.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 19.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.161     0.162     0.273     0.191     0.235    0.032     0.075     0.349
2.53     0.202
     Composite CO  :      9.86      8.24      9.89      8.66      9.79     0.720     0.360     0.313
15.95     8.272
     Composite NOX :      0.131     0.163     0.290     0.196     0.155    0.022     0.037     0.476
1.67     0.203
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=20
* File 1, Run 1, Scenario 17.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 20.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.157     0.159     0.267     0.186     0.223    0.031     0.073     0.337
2.46     0.197
     Composite CO  :      9.80      8.19      9.82      8.60      9.28     0.695     0.347     0.298
15.37     8.202
     Composite NOX :      0.129     0.161     0.286     0.193     0.156    0.022     0.037     0.467
1.69     0.200
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=21.
* File 1, Run 1, Scenario 18.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 21.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.153     0.155     0.261     0.182     0.211    0.030     0.071     0.324
2.41     0.192
     Composite CO  :      9.75      8.14      9.76      8.55      8.81     0.671     0.333     0.283
14.84     8.140
     Composite NOX :      0.127     0.159     0.283     0.191     0.157    0.021     0.036     0.459
1.71     0.197
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=22
* File 1, Run 1, Scenario 19.
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 22.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.149     0.152     0.256     0.179     0.201    0.029     0.069     0.313
2.36     0.187
     Composite CO  :      9.71      8.10      9.70      8.51      8.37     0.649     0.322     0.269
14.35     8.083
     Composite NOX :      0.126     0.157     0.279     0.188     0.159    0.021     0.035     0.451
1.73     0.195
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=23
* File 1, Run 1, Scenario 20.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 23.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.146     0.149     0.251     0.175     0.191    0.029     0.067     0.302
2.31     0.183
     Composite CO  :      9.67      8.06      9.65      8.46      7.98     0.629     0.311     0.257
13.91     8.032
     Composite NOX :      0.124     0.155     0.276     0.186     0.160    0.021     0.035     0.444
1.75     0.193
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=24
* File 1, Run 1, Scenario 21.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 24.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.143     0.147     0.247     0.172     0.182    0.028     0.065     0.292
2.27     0.179
     Composite CO  :      9.63      8.02      9.60      8.42      7.62     0.610     0.301     0.246
13.50     7.984
     Composite NOX :      0.123     0.154     0.274     0.184     0.161    0.020     0.034     0.437
1.77     0.191
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=25
* File 1, Run 1, Scenario 22.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 25.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.141     0.144     0.243     0.170     0.174    0.027     0.063     0.283
2.23     0.176
     Composite CO  :      9.60      7.99      9.56      8.39      7.28     0.593     0.291     0.235
13.12     7.941
     Composite NOX :      0.122     0.152     0.271     0.183     0.163    0.020     0.034     0.431
1.79     0.189
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=26
* File 1, Run 1, Scenario 23.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 26.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.138     0.143     0.239     0.167     0.167    0.027     0.062     0.274
2.18     0.172
     Composite CO  :      9.59      7.98      9.54      8.38      7.00     0.578     0.283     0.226
12.75     7.918
     Composite NOX :      0.121     0.151     0.269     0.181     0.164    0.020     0.034     0.427
1.81     0.188
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=27
* File 1, Run 1, Scenario 24.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
```

```
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 27.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.136     0.141     0.236     0.165     0.160    0.026     0.060     0.265
2.15     0.169
     Composite CO  :      9.57      7.96      9.52      8.36      6.73     0.564     0.275     0.217
12.40     7.897
```

```
     Composite NOX :      0.120     0.149     0.267     0.179     0.166    0.020     0.033     0.423
1.83     0.186
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=28.
* File 1, Run 1, Scenario 25.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 28.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.134     0.139     0.234     0.163     0.153    0.026     0.059     0.257
2.11     0.167
     Composite CO  :      9.56      7.95      9.51      8.35      6.48     0.550     0.268     0.209
12.08     7.878
     Composite NOX :      0.119     0.148     0.265     0.178     0.167    0.020     0.033     0.419
1.85     0.185
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=29.
* File 1, Run 1, Scenario 26.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 29.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.132     0.137     0.231     0.161     0.148    0.025     0.058     0.249
2.08     0.164
     Composite CO  :      9.55      7.94      9.49      8.34      6.25     0.538     0.261     0.202
11.78     7.860
     Composite NOX :      0.118     0.147     0.263     0.177     0.168    0.019     0.033     0.416
1.87     0.184
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=30.
* File 1, Run 1, Scenario 27.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 30.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.131     0.136     0.229     0.160     0.142    0.024     0.056     0.242
2.05     0.162
     Composite CO  :      9.54      7.94      9.48      8.33      6.04     0.527     0.255     0.195
11.50     7.843
     Composite NOX :      0.117     0.146     0.261     0.176     0.169    0.019     0.033     0.412
1.88     0.183
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=31
* File 1, Run 1, Scenario 28.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 31.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.129     0.135     0.226     0.158     0.137    0.024     0.055     0.236
2.02     0.160
     Composite CO  :      9.55      7.95      9.49      8.34      5.87     0.517     0.250     0.189
11.23     7.845
     Composite NOX :      0.116     0.145     0.260     0.175     0.171    0.019     0.032     0.411
1.90     0.182
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=32.
* File 1, Run 1, Scenario 29.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 32.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.128     0.134     0.224     0.157     0.133    0.024     0.054     0.229
1.99     0.158
     Composite CO  :      9.56      7.95      9.51      8.35      5.71     0.508     0.245     0.183
10.97     7.847
     Composite NOX :      0.116     0.145     0.260     0.174     0.172    0.019     0.032     0.411
1.91     0.181
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
```

```
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=33
* File 1, Run 1, Scenario 30.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 33.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.126     0.133     0.223     0.156     0.128    0.023     0.053     0.223
1.96     0.156
     Composite CO  :      9.57      7.96      9.52      8.36      5.56     0.500     0.240     0.178
10.73     7.849
     Composite NOX :      0.115     0.144     0.259     0.174     0.174    0.019     0.032     0.410
1.93     0.181
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=34.
* File 1, Run 1, Scenario 31.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 34.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.125     0.132     0.221     0.155     0.124    0.023     0.052     0.218
1.93     0.154
     Composite CO  :      9.57      7.97      9.53      8.37      5.42     0.491     0.236     0.173
10.51     7.850
     Composite NOX :      0.115     0.144     0.258     0.173     0.175    0.019     0.032     0.409
1.94     0.181
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=35
* File 1, Run 1, Scenario 32.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 35.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
                GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.124     0.131     0.219     0.154     0.121    0.022     0.051     0.212
1.91     0.153
     Composite CO  :      9.58      7.98      9.54      8.38      5.29     0.484     0.232     0.168
10.29     7.852
     Composite NOX :      0.115     0.143     0.257     0.173     0.176    0.019     0.032     0.408
1.95     0.180
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=36
* File 1, Run 1, Scenario 33.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 36.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.123     0.131     0.219     0.153     0.117    0.022     0.050     0.208
1.89     0.152
     Composite CO  :      9.64      8.04      9.61      8.44      5.20     0.478     0.229     0.165
10.11     7.900
     Composite NOX :      0.115     0.144     0.258     0.173     0.178    0.019     0.032     0.411
1.97     0.181
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=37
* File 1, Run 1, Scenario 34.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 37.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.122     0.130     0.218     0.153     0.114    0.022     0.049     0.203
1.87     0.151
     Composite CO  :      9.69      8.09      9.68      8.50      5.12     0.473     0.226     0.162
9.93     7.946
     Composite NOX :      0.116     0.145     0.259     0.174     0.179    0.019     0.033     0.413
1.98     0.182
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=38
* File 1, Run 1, Scenario 35.
```

```
* # # #
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.122     0.130     0.217     0.153     0.111    0.021     0.049     0.199
1.85     0.150
     Composite CO  :      9.74      8.14      9.75      8.55      5.04     0.468     0.223     0.158
9.77     7.989
     Composite NOX :      0.116     0.145     0.260     0.175     0.181    0.019     0.033     0.415
1.99     0.183
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=39
* File 1, Run 1, Scenario 36.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 39.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.121     0.130     0.217     0.152     0.108    0.021     0.048     0.194
1.83     0.149
     Composite CO  :      9.79      8.19      9.81      8.61      4.97     0.463     0.220     0.155
9.61     8.029
     Composite NOX :      0.117     0.146     0.261     0.175     0.182    0.020     0.033     0.417
1.99     0.184
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=40
* File 1, Run 1, Scenario 37.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 40.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.120     0.130     0.216     0.152     0.106    0.021     0.047     0.190
1.81     0.148
     Composite CO  :      9.83      8.24      9.87      8.66      4.89     0.458     0.218     0.153
9.46     8.068
     Composite NOX :      0.117     0.147     0.262     0.176     0.183    0.020     0.033     0.419
2.00     0.184
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=41
* File 1, Run 1, Scenario 38.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 41.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.120     0.130     0.216     0.152     0.104    0.021     0.046     0.187
1.80     0.147
     Composite CO  :      9.88      8.29      9.94      8.72      4.87     0.455     0.216     0.151
9.34     8.118
     Composite NOX :      0.118     0.147     0.263     0.177     0.185    0.020     0.034     0.425
2.01     0.186
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=42
* File 1, Run 1, Scenario 39.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 42.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.119     0.130     0.215     0.152     0.101    0.020     0.046     0.183
1.79     0.147
     Composite CO  :      9.94      8.35     10.01      8.77      4.85     0.452     0.215     0.149
9.23     8.166
     Composite NOX :      0.119     0.148     0.264     0.178     0.186    0.020     0.034     0.431
2.02     0.187
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=43
* File 1, Run 1, Scenario 40.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
```

```
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 43.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.119     0.129     0.215     0.151     0.099    0.020     0.045     0.180
1.78     0.146
     Composite CO  :      9.99      8.40     10.08      8.83      4.83     0.450     0.214     0.148
9.13     8.211
```

```
     Composite NOX :      0.119     0.149     0.265     0.179     0.187    0.020     0.034     0.436
2.03     0.188
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=44
* File 1, Run 1, Scenario 41.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 44.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.118     0.129     0.215     0.151     0.097    0.020     0.045     0.177
1.76     0.145
     Composite CO  :     10.03      8.45     10.14      8.88      4.81     0.447     0.212     0.146
9.03     8.254
     Composite NOX :      0.120     0.150     0.266     0.180     0.189    0.021     0.035     0.441
2.03     0.189
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=45
* File 1, Run 1, Scenario 42.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 45.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.117     0.129     0.214     0.151     0.096    0.020     0.044     0.174
1.75     0.145
     Composite CO  :     10.08      8.49     10.20      8.93      4.79     0.445     0.211     0.145
8.93     8.295
     Composite NOX :      0.121     0.151     0.267     0.180     0.190    0.021     0.035     0.446
2.04     0.190
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=46
* File 1, Run 1, Scenario 43.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 46.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.117     0.129     0.214     0.151     0.094    0.019     0.044     0.172
1.75     0.144
     Composite CO  :     10.13      8.55     10.27      8.99      4.82     0.445     0.211     0.144
8.88     8.347
     Composite NOX :      0.121     0.151     0.268     0.181     0.191    0.021     0.036     0.456
2.07     0.192
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=47
* File 1, Run 1, Scenario 44.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 47.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.116     0.129     0.213     0.151     0.092    0.019     0.043     0.170
1.75     0.144
     Composite CO  :     10.18      8.60     10.34      9.05      4.85     0.444     0.210     0.144
8.84     8.396
     Composite NOX :      0.122     0.152     0.269     0.182     0.193    0.022     0.037     0.465
2.09     0.194
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=48
* File 1, Run 1, Scenario 45.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 48.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.116     0.129     0.213     0.150     0.091    0.019     0.043     0.167
1.74     0.143
     Composite CO  :     10.23      8.66     10.41      9.10      4.88     0.444     0.210     0.144
8.79     8.444
     Composite NOX :      0.123     0.153     0.271     0.183     0.194    0.022     0.037     0.475
2.11     0.195
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
```

```
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=49
* File 1, Run 1, Scenario 46.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 49.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.115     0.129     0.212     0.150     0.089    0.019     0.043     0.165
1.74     0.143
     Composite CO  :     10.28      8.70     10.47      9.16      4.91     0.444     0.210     0.144
8.75     8.489
     Composite NOX :      0.124     0.154     0.272     0.184     0.196    0.023     0.038     0.483
2.14     0.197
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=50
* File 1, Run 1, Scenario 47.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 50.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.114     0.129     0.212     0.150     0.088    0.019     0.042     0.163
1.74     0.142
     Composite CO  :     10.33      8.75     10.53      9.21      4.94     0.443     0.210     0.144
8.71     8.533
     Composite NOX :      0.124     0.155     0.273     0.185     0.197    0.023     0.039     0.492
2.16     0.198
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=51
* File 1, Run 1, Scenario 48.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 51.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
                GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.114     0.128     0.211     0.150     0.087    0.019     0.042     0.162
1.74     0.141
     Composite CO  :     10.38      8.81     10.60      9.27      5.04     0.445     0.211     0.145
8.71     8.586
     Composite NOX :      0.125     0.155     0.274     0.186     0.198    0.024     0.040     0.507
2.20     0.201
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=52
* File 1, Run 1, Scenario 49.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 52.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.113     0.128     0.211     0.149     0.085    0.019     0.042     0.160
1.74     0.141
     Composite CO  :     10.43      8.86     10.67      9.32      5.13     0.447     0.212     0.146
8.71     8.638
     Composite NOX :      0.126     0.156     0.275     0.187     0.200    0.024     0.041     0.521
2.25     0.203
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=53
* File 1, Run 1, Scenario 50.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 53.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.112     0.128     0.210     0.149     0.084    0.019     0.042     0.159
1.74     0.140
     Composite CO  :     10.48      8.91     10.74      9.38      5.22     0.449     0.213     0.147
8.71     8.687
     Composite NOX :      0.126     0.157     0.276     0.188     0.201    0.025     0.042     0.535
2.30     0.205
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=54
* File 1, Run 1, Scenario 51.
```

```
* # # #
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.112     0.128     0.210     0.149     0.083    0.018     0.041     0.157
1.74     0.140
     Composite CO  :     10.53      8.96     10.80      9.43      5.31     0.451     0.214     0.148
8.71     8.735
     Composite NOX :      0.127     0.158     0.277     0.189     0.202    0.025     0.043     0.548
2.34     0.207
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=55
* File 1, Run 1, Scenario 52.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 55.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.111     0.128     0.209     0.148     0.082    0.018     0.041     0.156
1.74     0.139
     Composite CO  :     10.58      9.01     10.86      9.48      5.40     0.452     0.215     0.149
8.71     8.781
     Composite NOX :      0.128     0.159     0.278     0.189     0.204    0.026     0.044     0.561
2.38     0.209
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=56
* File 1, Run 1, Scenario 53.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 56.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.111     0.128     0.209     0.148     0.081    0.018     0.041     0.155
1.81     0.139
     Composite CO  :     10.63      9.06     10.93      9.54      5.57     0.457     0.217     0.152
9.86     8.839
     Composite NOX :      0.128     0.160     0.280     0.190     0.205    0.027     0.046     0.583
2.43     0.212
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=57
* File 1, Run 1, Scenario 54.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 57.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.110     0.127     0.208     0.148     0.081    0.018     0.041     0.155
1.88     0.139
     Composite CO  :     10.68      9.12     11.00      9.60      5.74     0.461     0.220     0.154
10.96     8.896
     Composite NOX :      0.129     0.160     0.281     0.191     0.207    0.028     0.047     0.605
2.47     0.215
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=58
* File 1, Run 1, Scenario 55.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 58.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.110     0.127     0.208     0.148     0.080    0.018     0.041     0.154
1.94     0.139
     Composite CO  :     10.73      9.17     11.07      9.65      5.91     0.465     0.222     0.157
12.03     8.950
     Composite NOX :      0.130     0.161     0.282     0.192     0.208    0.029     0.049     0.625
2.52     0.217
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=59
* File 1, Run 1, Scenario 56.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
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* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 59.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.109     0.127     0.207     0.148     0.079    0.018     0.041     0.153
2.01     0.139
     Composite CO  :     10.78      9.22     11.13      9.71      6.07     0.470     0.224     0.160
13.05     9.003
```

```
     Composite NOX :      0.130     0.162     0.283     0.193     0.209    0.030     0.050     0.645
2.56     0.220
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=60
* File 1, Run 1, Scenario 57.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 60.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.109     0.127     0.207     0.148     0.079    0.018     0.040     0.153
2.07     0.139
     Composite CO  :     10.82      9.27     11.19      9.76      6.22     0.473     0.226     0.162
14.05     9.054
     Composite NOX :      0.131     0.163     0.284     0.194     0.211    0.031     0.052     0.664
2.60     0.222
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=61
* File 1, Run 1, Scenario 58.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 61.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.108     0.127     0.207     0.148     0.079    0.018     0.040     0.153
2.14     0.139
     Composite CO  :     10.88      9.32     11.26      9.82      6.51     0.481     0.231     0.167
15.19     9.117
     Composite NOX :      0.132     0.164     0.286     0.195     0.212    0.032     0.054     0.696
2.65     0.226
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=62
* File 1, Run 1, Scenario 59.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 62.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.108     0.127     0.207     0.148     0.079    0.018     0.040     0.153
2.21     0.139
     Composite CO  :     10.93      9.37     11.33      9.88      6.79     0.489     0.235     0.171
16.29     9.177
     Composite NOX :      0.133     0.165     0.287     0.196     0.213    0.034     0.057     0.727
2.70     0.230
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=63
* File 1, Run 1, Scenario 60.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 63.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.107     0.127     0.206     0.147     0.078    0.018     0.040     0.153
2.28     0.139
     Composite CO  :     10.98      9.43     11.40      9.93      7.06     0.496     0.239     0.176
17.35     9.235
     Composite NOX :      0.133     0.165     0.288     0.197     0.215    0.035     0.059     0.757
2.74     0.233
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=64
* File 1, Run 1, Scenario 61.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 64.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.107     0.127     0.206     0.147     0.078    0.018     0.040     0.153
2.35     0.139
     Composite CO  :     11.03      9.47     11.46      9.98      7.33     0.503     0.242     0.180
18.38     9.292
     Composite NOX :      0.134     0.166     0.289     0.198     0.216    0.036     0.061     0.786
2.78     0.237
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
```

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  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=65
* File 1, Run 1, Scenario 62.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 65.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
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   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
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 Composite Emission Factors (g/mi):
     Composite VOC :      0.107     0.127     0.206     0.147     0.078    0.018     0.040     0.153
2.41     0.139
     Composite CO  :     11.07      9.52     11.52     10.04      7.58     0.510     0.246     0.184
19.39     9.346
     Composite NOX :      0.135     0.167     0.290     0.199     0.217    0.037     0.063     0.814
2.83     0.240
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
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FILE	RUN	SCEN	CAL_YEAR	POL	VTYPE	GM_MILE	GM_DAY	STARTS	ENDS	MILES	MPG	VMT
1	1	1	2035	4	1	368.0	11043.5		7.2800	5.3799	30.0117	24.10
	0.281246											
1	1	1	2035	4	2	479.4	19268.1		8.0600	5.7548	40.1957	18.50
	0.101405											
1	1	1	2035	4	3	479.4	19268.1		8.0600	5.7548	40.1957	18.50
	0.337320											
1	1	1	2035	4	4	624.5	23617.1		8.0600	5.7548	37.8166	14.20
	0.103547											
1	1	1	2035	4	5	624.5	23617.1		8.0600	5.7548	37.8166	14.20
	0.047578											
1	1	1	2035	4	6	875.4	33065.7		6.8800	4.9123	37.7707	10.13
	0.027524											
1	1	1	2035	4	7	944.4	35671.5		6.8800	4.9123	37.7707	9.39
	0.000969											
1	1	1	2035	4	8	948.5	34612.4		6.8800	4.9123	36.4932	9.35
	0.000281											
1	1	1	2035	4	9	1107.1	40402.8		6.8800	4.9123	36.4931	8.01
	0.000959											
1	1	1	2035	4	10	1089.5	39757.5		6.8800	4.9123	36.4932	8.14
	0.001996											
1	1	1	2035	4	11	1190.4	43439.7		6.8800	4.9123	36.4932	7.45
	0.000819											
1	1	1	2035	4	12	1254.3	45774.5		6.8800	4.9123	36.4932	7.07
	0.000002											
1	1	1	2035	4	13	0.0	0.0		0.0000	0.0000	0.0000	0.00
	0.000000											
1	1	1	2035	4	14	314.1	9425.7		7.2800	5.1979	30.0117	32.40
	0.000028											
1	1	1	2035	4	15	460.4	22232.5		8.0600	5.7548	48.2848	22.10
	0.004518											
1	1	1	2035	4	16	785.2	35375.8		6.6500	4.7481	45.0549	12.96
	0.008198											
1	1	1	2035	4	17	872.7	41237.6		6.6500	4.7481	47.2522	11.66
	0.002544											
1	1	1	2035	4	18	997.6	56547.8		6.6500	4.7481	56.6821	10.20
	0.002699											
1	1	1	2035	4	19	1029.9	58379.3		6.6500	4.7481	56.6821	9.88
	0.001293											
1	1	1	2035	4	20	1168.3	75659.2		6.6500	4.7481	64.7605	8.71
	0.006032											
1	1	1	2035	4	21	1351.4	87515.4		6.6500	4.7481	64.7605	7.53
	0.008655											
1	1	1	2035	4	22	1544.1	201080.0		6.6500	4.7481	130.2221	6.59
	0.010278											
1	1	1	2035	4	23	1615.2	319512.5		6.6500	4.7481	197.8148	6.30
	0.036527											
1	1	1	2035	4	24	177.4	1522.2		1.3500	0.9639	8.5822	50.00
	0.002374											
1	1	1	2035	4	25	1374.9	37438.8		6.8800	4.9123	27.2301	6.45
	0.000303											
1	1	1	2035	4	26	2333.9	228113.5		6.6500	4.7481	97.7390	4.36
	0.003655											
1	1	1	2035	4	27	1646.6	44836.4		6.6500	4.7481	27.2301	6.18
	0.007008											
1	1	1	2035	4	28	598.6	26322.0		8.0600	5.7548	43.9743	17.00
	0.002242											
1	1	1	2035	1	1	1.4534	43.620		7.2800	5.3799	30.0117	24.10
	0.281246											
1	1	1	2035	1	2	0.9661	38.834		8.0600	5.7548	40.1957	18.50
	0.101405											
1	1	1	2035	1	3	1.1079	44.533		8.0600	5.7548	40.1957	18.50
	0.337320											
1	1	1	2035	1	4	1.7581	66.487		8.0600	5.7548	37.8166	14.20
	0.103547											
1	1	1	2035	1	5	1.7622	66.640		8.0600	5.7548	37.8166	14.20
	0.047578											
1	1	1	2035	1	6	1.8759	70.855		6.8800	4.9123	37.7707	10.13
	0.027524											
1	1	1	2035	1	7	1.8109	68.400		6.8800	4.9123	37.7707	9.39
	0.000969											
1	1	1	2035	1	8	1.6088	58.712		6.8800	4.9123	36.4932	9.35
	0.000281											
1	1	1	2035	1	9	1.7043	62.194		6.8800	4.9123	36.4931	8.01
	0.000959											
1	1	1	2035	1	10	1.6995	62.021		6.8800	4.9123	36.4932	8.14
	0.001996											
1	1	1	2035	1	11	1.7646	64.397		6.8800	4.9123	36.4932	7.45
	0.000819											
1	1	1	2035	1	12	1.8348	66.958		6.8800	4.9123	36.4932	7.07
	0.000002											
1	1	1	2035	1	13	0.0000	0.000		0.0000	0.0000	0.0000	0.00
	0.000000											
1	1	1	2035	1	14	0.0601	1.803		7.2800	5.1979	30.0117	32.40
	0.000028											
1	1	1	2035	1	15	0.1216	5.872		8.0600	5.7548	48.2848	22.10
	0.004518											
1	1	1	2035	1	16	0.3208	14.451		6.6500	4.7481	45.0549	12.96
	0.008198											
1	1	1	2035	1	17	0.3662	17.306		6.6500	4.7481	47.2522	11.66
	0.002544											
1	1	1	2035	1	18	0.4277	24.241		6.6500	4.7481	56.6821	10.20
	0.002699											
1	1	1	2035	1	19	0.4618	26.175		6.6500	4.7481	56.6821	9.88
	0.001293											

1	1	1	2035	1	20	0.5710	36.977	6.6500	4.7481	64.7605	8.71	0.006032
1	1	1	2035	1	21	0.7075	45.816	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2035	1	22	0.8098	105.460	6.6500	4.7481	130.2221	6.59	0.010278
1	1	1	2035	1	23	0.8895	175.949	6.6500	4.7481	197.8148	6.30	0.036527
1	1	1	2035	1	24	9.3873	80.564	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2035	1	25	2.7817	75.747	6.8800	4.9123	27.2301	6.45	0.000303
1	1	1	2035	1	26	0.7325	71.594	6.6500	4.7481	97.7390	4.36	0.003655
1	1	1	2035	1	27	0.8781	23.910	6.6500	4.7481	27.2301	6.18	0.007008
1	1	1	2035	1	28	0.1908	8.390	8.0600	5.7548	43.9743	17.00	0.002242
1	1	1	2035	2	1	18.4672	554.231	7.2800	5.3799	30.0117	24.10	0.281246
1	1	1	2035	2	2	15.5266	624.100	8.0600	5.7548	40.1957	18.50	0.101405
1	1	1	2035	2	3	16.4626	661.726	8.0600	5.7548	40.1957	18.50	0.337320
1	1	1	2035	2	4	20.5556	777.342	8.0600	5.7548	37.8166	14.20	0.103547
1	1	1	2035	2	5	20.9506	792.282	8.0600	5.7548	37.8166	14.20	0.047578
1	1	1	2035	2	6	30.9671	1169.648	6.8800	4.9123	37.7707	10.13	0.027524
1	1	1	2035	2	7	39.9986	1510.775	6.8800	4.9123	37.7707	9.39	0.000969
1	1	1	2035	2	8	38.8721	1418.566	6.8800	4.9123	36.4932	9.35	0.000281
1	1	1	2035	2	9	45.4029	1656.893	6.8800	4.9123	36.4931	8.01	0.000959
1	1	1	2035	2	10	44.9375	1639.912	6.8800	4.9123	36.4932	8.14	0.001996
1	1	1	2035	2	11	53.4117	1949.162	6.8800	4.9123	36.4932	7.45	0.000819
1	1	1	2035	2	12	56.8826	2075.824	6.8800	4.9123	36.4932	7.07	0.000002
1	1	1	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	1	2035	2	14	1.7961	53.903	7.2800	5.1979	30.0117	32.40	0.000028
1	1	1	2035	2	15	0.8653	41.782	8.0600	5.7548	48.2848	22.10	0.004518
1	1	1	2035	2	16	0.4270	19.240	6.6500	4.7481	45.0549	12.96	0.008198
1	1	1	2035	2	17	0.4890	23.105	6.6500	4.7481	47.2522	11.66	0.002544
1	1	1	2035	2	18	0.5705	32.336	6.6500	4.7481	56.6821	10.20	0.002699
1	1	1	2035	2	19	0.6161	34.923	6.6500	4.7481	56.6821	9.88	0.001293
1	1	1	2035	2	20	0.6324	40.955	6.6500	4.7481	64.7605	8.71	0.006032
1	1	1	2035	2	21	0.7856	50.878	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2035	2	22	1.0823	140.936	6.6500	4.7481	130.2221	6.59	0.010278
1	1	1	2035	2	23	1.1866	234.726	6.6500	4.7481	197.8148	6.30	0.036527
1	1	1	2035	2	24	86.3726	741.269	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2035	2	25	64.9259	1767.942	6.8800	4.9123	27.2301	6.45	0.000303
1	1	1	2035	2	26	1.4441	141.147	6.6500	4.7481	97.7390	4.36	0.003655
1	1	1	2035	2	27	0.9747	26.541	6.6500	4.7481	27.2301	6.18	0.007008
1	1	1	2035	2	28	1.1018	48.451	8.0600	5.7548	43.9743	17.00	0.002242
1	1	1	2035	3	1	0.2280	6.842	7.2800	5.3799	30.0117	24.10	0.281246
1	1	1	2035	3	2	0.2221	8.929	8.0600	5.7548	40.1957	18.50	0.101405
1	1	1	2035	3	3	0.3062	12.306	8.0600	5.7548	40.1957	18.50	0.337320
1	1	1	2035	3	4	0.4907	18.558	8.0600	5.7548	37.8166	14.20	0.103547
1	1	1	2035	3	5	0.5210	19.703	8.0600	5.7548	37.8166	14.20	0.047578
1	1	1	2035	3	6	0.1243	4.693	6.8800	4.9123	37.7707	10.13	0.027524
1	1	1	2035	3	7	0.1619	6.116	6.8800	4.9123	37.7707	9.39	0.000969
1	1	1	2035	3	8	0.1447	5.282	6.8800	4.9123	36.4932	9.35	0.000281
1	1	1	2035	3	9	0.1663	6.067	6.8800	4.9123	36.4931	8.01	0.000959
1	1	1	2035	3	10	0.1645	6.002	6.8800	4.9123	36.4932	8.14	0.001996

1	1	1	2035	3	11	0.1871	6.827	6.8800	4.9123	36.4932	7.45	0.000819
1	1	1	2035	3	12	0.1978	7.219	6.8800	4.9123	36.4932	7.07	0.000002
1	1	1	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	1	2035	3	14	0.0376	1.129	7.2800	5.1979	30.0117	32.40	0.000028
1	1	1	2035	3	15	0.0606	2.924	8.0600	5.7548	48.2848	22.10	0.004518
1	1	1	2035	3	16	0.3433	15.467	6.6500	4.7481	45.0549	12.96	0.008198
1	1	1	2035	3	17	0.3941	18.621	6.6500	4.7481	47.2522	11.66	0.002544
1	1	1	2035	3	18	0.4589	26.010	6.6500	4.7481	56.6821	10.20	0.002699
1	1	1	2035	3	19	0.4957	28.095	6.6500	4.7481	56.6821	9.88	0.001293
1	1	1	2035	3	20	0.6130	39.698	6.6500	4.7481	64.7605	8.71	0.006032
1	1	1	2035	3	21	0.7601	49.226	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2035	3	22	0.8705	113.354	6.6500	4.7481	130.2221	6.59	0.010278
1	1	1	2035	3	23	0.9563	189.167	6.6500	4.7481	197.8148	6.30	0.036527
1	1	1	2035	3	24	1.7876	15.342	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2035	3	25	0.2254	6.137	6.8800	4.9123	27.2301	6.45	0.000303
1	1	1	2035	3	26	1.2698	124.108	6.6500	4.7481	97.7390	4.36	0.003655
1	1	1	2035	3	27	0.9423	25.658	6.6500	4.7481	27.2301	6.18	0.007008
1	1	1	2035	3	28	0.0700	3.077	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	2	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	2	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2035	1	1	0.4756	14.272	7.2800	5.3799	30.0117	24.10	0.281246

1	1	2	2035	1	2	0.3427	13.777	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2035	1	3	0.4332	17.414	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2035	1	4	0.6897	26.082	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2035	1	5	0.6917	26.159	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2035	1	6	0.7997	30.204	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2035	1	7	0.7479	28.249	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2035	1	8	0.6762	24.675	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2035	1	9	0.7522	27.451	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2035	1	10	0.7484	27.313	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2035	1	11	0.8003	29.206	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2035	1	12	0.8563	31.247	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2035	1	14	0.0537	1.610	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2035	1	15	0.1082	5.223	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2035	1	16	0.2819	12.699	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2035	1	17	0.3218	15.208	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2035	1	18	0.3758	21.302	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2035	1	19	0.4058	23.002	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2035	1	20	0.5018	32.494	6.6500	4.7481	64.7605	8.71	0.006032
1	1	2	2035	1	21	0.6217	40.261	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2035	1	22	0.7117	92.673	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2035	1	23	0.7816	154.616	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2035	1	24	6.1476	52.760	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2035	1	25	1.1231	30.582	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2035	1	26	0.6437	62.913	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2035	1	27	0.7716	21.011	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2035	1	28	0.1700	7.474	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2035	2	1	13.2787	398.515	7.2800	5.3799	30.0117	24.10	0.281246
1	1	2	2035	2	2	10.9711	440.993	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2035	2	3	11.6538	468.431	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2035	2	4	14.1782	536.171	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2035	2	5	14.4784	547.523	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2035	2	6	24.7432	934.567	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2035	2	7	31.9595	1207.132	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2035	2	8	31.0594	1133.456	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2035	2	9	36.2776	1323.883	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2035	2	10	35.9058	1310.315	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2035	2	11	42.6768	1557.411	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2035	2	12	45.4501	1658.616	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2035	2	14	1.5044	45.151	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2035	2	15	0.7197	34.752	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2035	2	16	0.3486	15.706	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2035	2	17	0.3992	18.862	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2035	2	18	0.4657	26.397	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2035	2	19	0.5030	28.508	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2035	2	20	0.5163	33.433	6.6500	4.7481	64.7605	8.71	0.006032

1	1	2	2035	2	21	0.6413	41.533	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2035	2	22	0.8835	115.050	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2035	2	23	0.9687	191.613	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2035	2	24	51.5719	442.602	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2035	2	25	51.8768	1412.613	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2035	2	26	1.1789	115.223	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2035	2	27	0.7957	21.666	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2035	2	28	0.9182	40.378	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2035	3	1	0.2018	6.057	7.2800	5.3799	30.0117	24.10	0.281246
1	1	2	2035	3	2	0.1962	7.888	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2035	3	3	0.2698	10.846	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2035	3	4	0.4314	16.314	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2035	3	5	0.4554	17.221	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2035	3	6	0.1275	4.816	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2035	3	7	0.1661	6.275	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2035	3	8	0.1485	5.419	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2035	3	9	0.1706	6.225	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2035	3	10	0.1687	6.158	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2035	3	11	0.1919	7.004	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2035	3	12	0.2030	7.407	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2035	3	14	0.0339	1.017	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2035	3	15	0.0545	2.632	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2035	3	16	0.3085	13.901	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2035	3	17	0.3542	16.737	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2035	3	18	0.4124	23.378	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2035	3	19	0.4455	25.252	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2035	3	20	0.5510	35.681	6.6500	4.7481	64.7605	8.71	0.006032
1	1	2	2035	3	21	0.6832	44.245	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2035	3	22	0.7824	101.883	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2035	3	23	0.8595	170.025	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2035	3	24	1.6763	14.386	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2035	3	25	0.2312	6.297	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2035	3	26	1.1413	111.549	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2035	3	27	0.8469	23.062	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2035	3	28	0.0630	2.770	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	3	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819

1	1	3	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2035	1	1	0.3961	11.888	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2035	1	2	0.2887	11.605	8.0600	5.7548	40.1957	18.50	0.101405
1	1	3	2035	1	3	0.3705	14.891	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2035	1	4	0.5892	22.282	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2035	1	5	0.5909	22.344	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2035	1	6	0.6779	25.605	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2035	1	7	0.6321	23.873	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2035	1	8	0.5727	20.900	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2035	1	9	0.6400	23.357	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2035	1	10	0.6367	23.235	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2035	1	11	0.6826	24.910	6.8800	4.9123	36.4932	7.45	0.000819
1	1	3	2035	1	12	0.7321	26.717	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2035	1	14	0.0503	1.511	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2035	1	15	0.1012	4.887	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2035	1	16	0.2617	11.789	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2035	1	17	0.2988	14.118	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2035	1	18	0.3489	19.776	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2035	1	19	0.3767	21.354	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2035	1	20	0.4658	30.166	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2035	1	21	0.5772	37.377	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2035	1	22	0.6607	86.033	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2035	1	23	0.7256	143.538	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2035	1	24	5.3283	45.728	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2035	1	25	0.9460	25.760	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2035	1	26	0.5976	58.406	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2035	1	27	0.7163	19.506	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2035	1	28	0.1591	6.998	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2035	2	1	12.4762	374.432	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2035	2	2	10.2440	411.766	8.0600	5.7548	40.1957	18.50	0.101405

1	1	3	2035	2	3	10.8917	437.801	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2035	2	4	13.1675	497.952	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2035	2	5	13.4532	508.754	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2035	2	6	21.9828	830.304	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2035	2	7	28.3940	1072.461	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2035	2	8	27.5943	1007.004	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2035	2	9	32.2304	1176.187	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2035	2	10	31.9000	1164.132	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2035	2	11	37.9157	1383.662	6.8800	4.9123	36.4932	7.45	0.000819
1	1	3	2035	2	12	40.3795	1473.576	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2035	2	14	1.3703	41.125	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2035	2	15	0.6528	31.519	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2035	2	16	0.3125	14.081	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2035	2	17	0.3579	16.910	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2035	2	18	0.4175	23.665	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2035	2	19	0.4509	25.558	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2035	2	20	0.4628	29.973	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2035	2	21	0.5750	37.235	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2035	2	22	0.7921	103.144	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2035	2	23	0.8684	171.783	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2035	2	24	43.3814	372.309	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2035	2	25	46.0893	1255.018	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2035	2	26	1.0569	103.298	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2035	2	27	0.7133	19.424	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2035	2	28	0.8338	36.664	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2035	3	1	0.1895	5.686	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2035	3	2	0.1840	7.397	8.0600	5.7548	40.1957	18.50	0.101405
1	1	3	2035	3	3	0.2532	10.178	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2035	3	4	0.4054	15.332	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2035	3	5	0.4285	16.206	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2035	3	6	0.1296	4.897	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2035	3	7	0.1689	6.381	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2035	3	8	0.1510	5.511	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2035	3	9	0.1735	6.330	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2035	3	10	0.1716	6.262	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2035	3	11	0.1952	7.123	6.8800	4.9123	36.4932	7.45	0.000819
1	1	3	2035	3	12	0.2064	7.532	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2035	3	14	0.0320	0.961	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2035	3	15	0.0515	2.485	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2035	3	16	0.2910	13.112	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2035	3	17	0.3341	15.786	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2035	3	18	0.3890	22.051	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2035	3	19	0.4202	23.818	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2035	3	20	0.5197	33.655	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2035	3	21	0.6444	41.732	6.6500	4.7481	64.7605	7.53	0.008655

1	1	3	2035	3	22	0.7380	96.098	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2035	3	23	0.8107	160.370	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2035	3	24	1.6448	14.116	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2035	3	25	0.2351	6.403	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2035	3	26	1.0765	105.215	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2035	3	27	0.7988	21.752	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2035	3	28	0.0595	2.615	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	4	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	4	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	4	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	4	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	4	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	4	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	4	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	4	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	4	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	4	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	4	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	4	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	4	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	4	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	4	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	4	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	4	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	4	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	4	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	4	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	4	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2035	1	1	0.3394	10.185	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2035	1	2	0.2501	10.054	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2035	1	3	0.3256	13.089	8.0600	5.7548	40.1957	18.50	0.337320
1	1	4	2035	1	4	0.5174	19.568	8.0600	5.7548	37.8166	14.20	0.103547
1	1	4	2035	1	5	0.5188	19.619	8.0600	5.7548	37.8166	14.20	0.047578
1	1	4	2035	1	6	0.5909	22.319	6.8800	4.9123	37.7707	10.13	0.027524
1	1	4	2035	1	7	0.5493	20.748	6.8800	4.9123	37.7707	9.39	0.000969
1	1	4	2035	1	8	0.4988	18.204	6.8800	4.9123	36.4932	9.35	0.000281
1	1	4	2035	1	9	0.5599	20.432	6.8800	4.9123	36.4931	8.01	0.000959
1	1	4	2035	1	10	0.5569	20.322	6.8800	4.9123	36.4932	8.14	0.001996
1	1	4	2035	1	11	0.5985	21.842	6.8800	4.9123	36.4932	7.45	0.000819
1	1	4	2035	1	12	0.6434	23.481	6.8800	4.9123	36.4932	7.07	0.000002

1	1	4	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2035	1	14	0.0480	1.439	7.2800	5.1979	30.0117	32.40	0.000028
1	1	4	2035	1	15	0.0962	4.646	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2035	1	16	0.2472	11.140	6.6500	4.7481	45.0549	12.96	0.008198
1	1	4	2035	1	17	0.2823	13.340	6.6500	4.7481	47.2522	11.66	0.002544
1	1	4	2035	1	18	0.3297	18.686	6.6500	4.7481	56.6821	10.20	0.002699
1	1	4	2035	1	19	0.3560	20.177	6.6500	4.7481	56.6821	9.88	0.001293
1	1	4	2035	1	20	0.4401	28.503	6.6500	4.7481	64.7605	8.71	0.006032
1	1	4	2035	1	21	0.5453	35.316	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2035	1	22	0.6242	81.290	6.6500	4.7481	130.2221	6.59	0.010278
1	1	4	2035	1	23	0.6856	135.625	6.6500	4.7481	197.8148	6.30	0.036527
1	1	4	2035	1	24	4.7431	40.706	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2035	1	25	0.8195	22.316	6.8800	4.9123	27.2301	6.45	0.000303
1	1	4	2035	1	26	0.5646	55.186	6.6500	4.7481	97.7390	4.36	0.003655
1	1	4	2035	1	27	0.6768	18.431	6.6500	4.7481	27.2301	6.18	0.007008
1	1	4	2035	1	28	0.1514	6.658	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2035	2	1	11.9030	357.229	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2035	2	2	9.7247	390.891	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2035	2	3	10.3474	415.921	8.0600	5.7548	40.1957	18.50	0.337320
1	1	4	2035	2	4	12.4456	470.653	8.0600	5.7548	37.8166	14.20	0.103547
1	1	4	2035	2	5	12.7209	481.061	8.0600	5.7548	37.8166	14.20	0.047578
1	1	4	2035	2	6	20.0110	755.830	6.8800	4.9123	37.7707	10.13	0.027524
1	1	4	2035	2	7	25.8472	976.268	6.8800	4.9123	37.7707	9.39	0.000969
1	1	4	2035	2	8	25.1193	916.682	6.8800	4.9123	36.4932	9.35	0.000281
1	1	4	2035	2	9	29.3395	1070.690	6.8800	4.9123	36.4931	8.01	0.000959
1	1	4	2035	2	10	29.0388	1059.716	6.8800	4.9123	36.4932	8.14	0.001996
1	1	4	2035	2	11	34.5148	1259.555	6.8800	4.9123	36.4932	7.45	0.000819
1	1	4	2035	2	12	36.7577	1341.404	6.8800	4.9123	36.4932	7.07	0.000002
1	1	4	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2035	2	14	1.2745	38.249	7.2800	5.1979	30.0117	32.40	0.000028
1	1	4	2035	2	15	0.6049	29.209	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2035	2	16	0.2868	12.920	6.6500	4.7481	45.0549	12.96	0.008198
1	1	4	2035	2	17	0.3284	15.515	6.6500	4.7481	47.2522	11.66	0.002544
1	1	4	2035	2	18	0.3831	21.714	6.6500	4.7481	56.6821	10.20	0.002699
1	1	4	2035	2	19	0.4137	23.451	6.6500	4.7481	56.6821	9.88	0.001293
1	1	4	2035	2	20	0.4247	27.502	6.6500	4.7481	64.7605	8.71	0.006032
1	1	4	2035	2	21	0.5276	34.164	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2035	2	22	0.7268	94.639	6.6500	4.7481	130.2221	6.59	0.010278
1	1	4	2035	2	23	0.7968	157.619	6.6500	4.7481	197.8148	6.30	0.036527
1	1	4	2035	2	24	37.5311	322.100	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2035	2	25	41.9554	1142.450	6.8800	4.9123	27.2301	6.45	0.000303
1	1	4	2035	2	26	0.9697	94.781	6.6500	4.7481	97.7390	4.36	0.003655
1	1	4	2035	2	27	0.6545	17.822	6.6500	4.7481	27.2301	6.18	0.007008
1	1	4	2035	2	28	0.7734	34.012	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2035	3	1	0.1806	5.421	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2035	3	2	0.1753	7.047	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2035	3	3	0.2413	9.701	8.0600	5.7548	40.1957	18.50	0.337320

1	1	4	2035	3	4	0.3869	14.630	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	4	2035	3	5	0.4094	15.481	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	4	2035	3	6	0.1312	4.955	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	4	2035	3	7	0.1709	6.457	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	4	2035	3	8	0.1528	5.576	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	4	2035	3	9	0.1755	6.405	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	4	2035	3	10	0.1736	6.336	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	4	2035	3	11	0.1975	7.207	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	4	2035	3	12	0.2089	7.622	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	4	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	4	2035	3	14	0.0307	0.920	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	4	2035	3	15	0.0493	2.379	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	4	2035	3	16	0.2785	12.548	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	4	2035	3	17	0.3197	15.107	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	4	2035	3	18	0.3723	21.102	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	4	2035	3	19	0.4021	22.794	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	4	2035	3	20	0.4973	32.208	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	4	2035	3	21	0.6167	39.938	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	4	2035	3	22	0.7062	91.966	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	4	2035	3	23	0.7758	153.474	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	4	2035	3	24	1.6223	13.923	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	4	2035	3	25	0.2379	6.479	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	4	2035	3	26	1.0302	100.691	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	4	2035	3	27	0.7645	20.817	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	4	2035	3	28	0.0570	2.505	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	5	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	5	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	5	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	5	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	5	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	5	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	5	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	5	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	5	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	5	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	5	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	5	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	5	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	5	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	5	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	5	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	5	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	5	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	5	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	5	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	5	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	5	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59
0.010278											

1	1	5	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	5	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	5	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	5	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	5	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2035	1	1	0.2968	8.908	7.2800	5.3799	30.0117	24.10	0.281246
1	1	5	2035	1	2	0.2212	8.891	8.0600	5.7548	40.1957	18.50	0.101405
1	1	5	2035	1	3	0.2920	11.737	8.0600	5.7548	40.1957	18.50	0.337320
1	1	5	2035	1	4	0.4636	17.533	8.0600	5.7548	37.8166	14.20	0.103547
1	1	5	2035	1	5	0.4647	17.575	8.0600	5.7548	37.8166	14.20	0.047578
1	1	5	2035	1	6	0.5257	19.855	6.8800	4.9123	37.7707	10.13	0.027524
1	1	5	2035	1	7	0.4873	18.404	6.8800	4.9123	37.7707	9.39	0.000969
1	1	5	2035	1	8	0.4434	16.181	6.8800	4.9123	36.4932	9.35	0.000281
1	1	5	2035	1	9	0.4998	18.239	6.8800	4.9123	36.4931	8.01	0.000959
1	1	5	2035	1	10	0.4970	18.137	6.8800	4.9123	36.4932	8.14	0.001996
1	1	5	2035	1	11	0.5355	19.541	6.8800	4.9123	36.4932	7.45	0.000819
1	1	5	2035	1	12	0.5769	21.054	6.8800	4.9123	36.4932	7.07	0.000002
1	1	5	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2035	1	14	0.0462	1.386	7.2800	5.1979	30.0117	32.40	0.000028
1	1	5	2035	1	15	0.0925	4.466	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2035	1	16	0.2364	10.652	6.6500	4.7481	45.0549	12.96	0.008198
1	1	5	2035	1	17	0.2700	12.756	6.6500	4.7481	47.2522	11.66	0.002544
1	1	5	2035	1	18	0.3152	17.868	6.6500	4.7481	56.6821	10.20	0.002699
1	1	5	2035	1	19	0.3404	19.294	6.6500	4.7481	56.6821	9.88	0.001293
1	1	5	2035	1	20	0.4209	27.256	6.6500	4.7481	64.7605	8.71	0.006032
1	1	5	2035	1	21	0.5215	33.771	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2035	1	22	0.5969	77.733	6.6500	4.7481	130.2221	6.59	0.010278
1	1	5	2035	1	23	0.6556	129.691	6.6500	4.7481	197.8148	6.30	0.036527
1	1	5	2035	1	24	4.3042	36.939	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2035	1	25	0.7247	19.733	6.8800	4.9123	27.2301	6.45	0.000303
1	1	5	2035	1	26	0.5399	52.771	6.6500	4.7481	97.7390	4.36	0.003655
1	1	5	2035	1	27	0.6472	17.624	6.6500	4.7481	27.2301	6.18	0.007008
1	1	5	2035	1	28	0.1456	6.403	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2035	2	1	11.4731	344.327	7.2800	5.3799	30.0117	24.10	0.281246
1	1	5	2035	2	2	9.3352	375.234	8.0600	5.7548	40.1957	18.50	0.101405
1	1	5	2035	2	3	9.9392	399.512	8.0600	5.7548	40.1957	18.50	0.337320
1	1	5	2035	2	4	11.9042	450.178	8.0600	5.7548	37.8166	14.20	0.103547
1	1	5	2035	2	5	12.1717	460.291	8.0600	5.7548	37.8166	14.20	0.047578
1	1	5	2035	2	6	18.5322	699.975	6.8800	4.9123	37.7707	10.13	0.027524
1	1	5	2035	2	7	23.9371	904.122	6.8800	4.9123	37.7707	9.39	0.000969
1	1	5	2035	2	8	23.2630	848.940	6.8800	4.9123	36.4932	9.35	0.000281
1	1	5	2035	2	9	27.1713	991.567	6.8800	4.9123	36.4931	8.01	0.000959
1	1	5	2035	2	10	26.8928	981.404	6.8800	4.9123	36.4932	8.14	0.001996
1	1	5	2035	2	11	31.9642	1166.475	6.8800	4.9123	36.4932	7.45	0.000819
1	1	5	2035	2	12	34.0413	1242.276	6.8800	4.9123	36.4932	7.07	0.000002
1	1	5	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	5	2035	2	14	1.2026	36.093	7.2800	5.1979	30.0117	32.40	0.000028
1	1	5	2035	2	15	0.5691	27.477	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2035	2	16	0.2674	12.049	6.6500	4.7481	45.0549	12.96	0.008198
1	1	5	2035	2	17	0.3062	14.470	6.6500	4.7481	47.2522	11.66	0.002544
1	1	5	2035	2	18	0.3573	20.250	6.6500	4.7481	56.6821	10.20	0.002699
1	1	5	2035	2	19	0.3858	21.870	6.6500	4.7481	56.6821	9.88	0.001293
1	1	5	2035	2	20	0.3960	25.648	6.6500	4.7481	64.7605	8.71	0.006032
1	1	5	2035	2	21	0.4920	31.862	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2035	2	22	0.6778	88.260	6.6500	4.7481	130.2221	6.59	0.010278
1	1	5	2035	2	23	0.7431	146.995	6.6500	4.7481	197.8148	6.30	0.036527
1	1	5	2035	2	24	33.1434	284.444	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2035	2	25	38.8549	1058.024	6.8800	4.9123	27.2301	6.45	0.000303
1	1	5	2035	2	26	0.9044	88.392	6.6500	4.7481	97.7390	4.36	0.003655
1	1	5	2035	2	27	0.6104	16.621	6.6500	4.7481	27.2301	6.18	0.007008
1	1	5	2035	2	28	0.7282	32.022	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2035	3	1	0.1740	5.222	7.2800	5.3799	30.0117	24.10	0.281246
1	1	5	2035	3	2	0.1688	6.784	8.0600	5.7548	40.1957	18.50	0.101405
1	1	5	2035	3	3	0.2324	9.343	8.0600	5.7548	40.1957	18.50	0.337320
1	1	5	2035	3	4	0.3730	14.104	8.0600	5.7548	37.8166	14.20	0.103547
1	1	5	2035	3	5	0.3950	14.937	8.0600	5.7548	37.8166	14.20	0.047578
1	1	5	2035	3	6	0.1323	4.999	6.8800	4.9123	37.7707	10.13	0.027524
1	1	5	2035	3	7	0.1724	6.513	6.8800	4.9123	37.7707	9.39	0.000969
1	1	5	2035	3	8	0.1541	5.625	6.8800	4.9123	36.4932	9.35	0.000281
1	1	5	2035	3	9	0.1771	6.462	6.8800	4.9123	36.4931	8.01	0.000959
1	1	5	2035	3	10	0.1752	6.392	6.8800	4.9123	36.4932	8.14	0.001996
1	1	5	2035	3	11	0.1992	7.271	6.8800	4.9123	36.4932	7.45	0.000819
1	1	5	2035	3	12	0.2107	7.689	6.8800	4.9123	36.4932	7.07	0.000002
1	1	5	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2035	3	14	0.0297	0.890	7.2800	5.1979	30.0117	32.40	0.000028
1	1	5	2035	3	15	0.0476	2.301	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2035	3	16	0.2691	12.125	6.6500	4.7481	45.0549	12.96	0.008198
1	1	5	2035	3	17	0.3089	14.598	6.6500	4.7481	47.2522	11.66	0.002544
1	1	5	2035	3	18	0.3597	20.391	6.6500	4.7481	56.6821	10.20	0.002699
1	1	5	2035	3	19	0.3886	22.026	6.6500	4.7481	56.6821	9.88	0.001293
1	1	5	2035	3	20	0.4806	31.122	6.6500	4.7481	64.7605	8.71	0.006032
1	1	5	2035	3	21	0.5959	38.592	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2035	3	22	0.6824	88.866	6.6500	4.7481	130.2221	6.59	0.010278
1	1	5	2035	3	23	0.7497	148.302	6.6500	4.7481	197.8148	6.30	0.036527
1	1	5	2035	3	24	1.6054	13.778	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2035	3	25	0.2400	6.536	6.8800	4.9123	27.2301	6.45	0.000303
1	1	5	2035	3	26	0.9955	97.298	6.6500	4.7481	97.7390	4.36	0.003655
1	1	5	2035	3	27	0.7387	20.115	6.6500	4.7481	27.2301	6.18	0.007008
1	1	5	2035	3	28	0.0551	2.422	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	6	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	6	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	6	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547

1	1	6	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	6	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	6	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2035	1	1	0.2637	7.914	7.2800	5.3799	30.0117	24.10	0.281246
1	1	6	2035	1	2	0.1987	7.986	8.0600	5.7548	40.1957	18.50	0.101405
1	1	6	2035	1	3	0.2659	10.686	8.0600	5.7548	40.1957	18.50	0.337320
1	1	6	2035	1	4	0.4218	15.949	8.0600	5.7548	37.8166	14.20	0.103547
1	1	6	2035	1	5	0.4227	15.986	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2035	1	6	0.4749	17.938	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2035	1	7	0.4390	16.582	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2035	1	8	0.4003	14.608	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2035	1	9	0.4531	16.533	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2035	1	10	0.4504	16.438	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2035	1	11	0.4864	17.751	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2035	1	12	0.5252	19.166	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2035	1	14	0.0448	1.344	7.2800	5.1979	30.0117	32.40	0.000028
1	1	6	2035	1	15	0.0896	4.325	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2035	1	16	0.2280	10.273	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2035	1	17	0.2604	12.302	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2035	1	18	0.3040	17.232	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2035	1	19	0.3283	18.607	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2035	1	20	0.4059	26.286	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2035	1	21	0.5029	32.569	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2035	1	22	0.5757	74.967	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2035	1	23	0.6323	125.075	6.6500	4.7481	197.8148	6.30	0.036527

1	1	6	2035	1	24	3.9628	34.009	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2035	1	25	0.6509	17.724	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2035	1	26	0.5207	50.893	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2035	1	27	0.6242	16.997	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2035	1	28	0.1411	6.205	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2035	2	1	11.1387	334.292	7.2800	5.3799	30.0117	24.10	0.281246
1	1	6	2035	2	2	9.0322	363.056	8.0600	5.7548	40.1957	18.50	0.101405
1	1	6	2035	2	3	9.6217	386.749	8.0600	5.7548	40.1957	18.50	0.337320
1	1	6	2035	2	4	11.4831	434.254	8.0600	5.7548	37.8166	14.20	0.103547
1	1	6	2035	2	5	11.7445	444.137	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2035	2	6	17.3821	656.532	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2035	2	7	22.4515	848.009	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2035	2	8	21.8192	796.252	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2035	2	9	25.4850	930.027	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2035	2	10	25.2238	920.495	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2035	2	11	29.9804	1094.080	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2035	2	12	31.9286	1165.176	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2035	2	14	1.1467	34.415	7.2800	5.1979	30.0117	32.40	0.000028
1	1	6	2035	2	15	0.5412	26.130	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2035	2	16	0.2524	11.372	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2035	2	17	0.2890	13.656	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2035	2	18	0.3372	19.112	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2035	2	19	0.3641	20.641	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2035	2	20	0.3738	24.206	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2035	2	21	0.4643	30.071	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2035	2	22	0.6397	83.299	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2035	2	23	0.7013	138.733	6.6500	4.7481	197.8148	6.30	0.036527
1	1	6	2035	2	24	29.7307	255.155	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2035	2	25	36.4434	992.359	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2035	2	26	0.8535	83.424	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2035	2	27	0.5761	15.687	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2035	2	28	0.6930	30.475	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2035	3	1	0.1689	5.068	7.2800	5.3799	30.0117	24.10	0.281246
1	1	6	2035	3	2	0.1637	6.579	8.0600	5.7548	40.1957	18.50	0.101405
1	1	6	2035	3	3	0.2255	9.065	8.0600	5.7548	40.1957	18.50	0.337320
1	1	6	2035	3	4	0.3621	13.695	8.0600	5.7548	37.8166	14.20	0.103547
1	1	6	2035	3	5	0.3838	14.514	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2035	3	6	0.1332	5.032	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2035	3	7	0.1736	6.558	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2035	3	8	0.1552	5.663	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2035	3	9	0.1783	6.505	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2035	3	10	0.1763	6.435	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2035	3	11	0.2006	7.320	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2035	3	12	0.2121	7.741	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2035	3	14	0.0289	0.866	7.2800	5.1979	30.0117	32.40	0.000028

1	1	6	2035	3	15	0.0464	2.239	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2035	3	16	0.2618	11.796	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2035	3	17	0.3006	14.202	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2035	3	18	0.3500	19.838	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2035	3	19	0.3780	21.428	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2035	3	20	0.4675	30.278	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2035	3	21	0.5798	37.545	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2035	3	22	0.6639	86.456	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2035	3	23	0.7294	144.280	6.6500	4.7481	197.8148	6.30	0.036527
1	1	6	2035	3	24	1.5922	13.665	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2035	3	25	0.2417	6.580	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2035	3	26	0.9685	94.658	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2035	3	27	0.7187	19.570	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2035	3	28	0.0536	2.357	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	7	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2035	1	1	0.2372	7.120	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2035	1	2	0.1807	7.262	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2035	1	3	0.2449	9.845	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2035	1	4	0.3883	14.683	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2035	1	5	0.3891	14.714	8.0600	5.7548	37.8166	14.20	0.047578

1	1	7	2035	1	6	0.4343	16.405	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2035	1	7	0.4004	15.123	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2035	1	8	0.3658	13.350	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2035	1	9	0.4157	15.169	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2035	1	10	0.4132	15.078	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2035	1	11	0.4472	16.319	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2035	1	12	0.4838	17.656	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2035	1	14	0.0437	1.311	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2035	1	15	0.0873	4.213	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2035	1	16	0.2213	9.970	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2035	1	17	0.2527	11.939	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2035	1	18	0.2950	16.723	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2035	1	19	0.3186	18.058	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2035	1	20	0.3939	25.510	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2035	1	21	0.4881	31.607	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2035	1	22	0.5587	72.754	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2035	1	23	0.6136	121.382	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2035	1	24	3.6897	31.666	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2035	1	25	0.5919	16.116	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2035	1	26	0.5053	49.390	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2035	1	27	0.6058	16.495	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2035	1	28	0.1375	6.046	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2035	2	1	10.8712	326.264	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2035	2	2	8.7899	353.314	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2035	2	3	9.3677	376.539	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2035	2	4	11.1463	421.514	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2035	2	5	11.4028	431.214	8.0600	5.7548	37.8166	14.20	0.047578
1	1	7	2035	2	6	16.4619	621.778	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2035	2	7	21.2630	803.119	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2035	2	8	20.6642	754.101	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2035	2	9	24.1359	880.795	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2035	2	10	23.8885	871.767	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2035	2	11	28.3934	1036.163	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2035	2	12	30.2384	1103.496	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2035	2	14	1.1020	33.073	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2035	2	15	0.5188	25.052	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2035	2	16	0.2404	10.830	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2035	2	17	0.2752	13.006	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2035	2	18	0.3211	18.201	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2035	2	19	0.3468	19.657	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2035	2	20	0.3560	23.053	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2035	2	21	0.4422	28.638	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2035	2	22	0.6092	79.330	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2035	2	23	0.6679	132.123	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2035	2	24	27.0005	231.724	1.3500	0.9639	8.5822	50.00	0.002374

1	1	7	2035	2	25	34.5142	939.828	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2035	2	26	0.8129	79.449	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2035	2	27	0.5486	14.940	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2035	2	28	0.6649	29.237	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2035	3	1	0.1647	4.944	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2035	3	2	0.1596	6.415	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2035	3	3	0.2200	8.842	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2035	3	4	0.3535	13.368	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2035	3	5	0.3748	14.176	8.0600	5.7548	37.8166	14.20	0.047578
1	1	7	2035	3	6	0.1340	5.060	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2035	3	7	0.1746	6.593	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2035	3	8	0.1560	5.694	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2035	3	9	0.1792	6.541	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2035	3	10	0.1773	6.470	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2035	3	11	0.2017	7.359	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2035	3	12	0.2133	7.783	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2035	3	14	0.0282	0.847	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2035	3	15	0.0454	2.190	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2035	3	16	0.2560	11.533	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2035	3	17	0.2939	13.885	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2035	3	18	0.3422	19.396	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2035	3	19	0.3696	20.950	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2035	3	20	0.4571	29.603	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2035	3	21	0.5668	36.708	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2035	3	22	0.6491	84.527	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2035	3	23	0.7131	141.061	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2035	3	24	1.5817	13.575	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2035	3	25	0.2430	6.616	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2035	3	26	0.9469	92.547	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2035	3	27	0.7026	19.133	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2035	3	28	0.0524	2.306	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	8	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518

1	1	8	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	8	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2035	1	1	0.2226	6.680	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2035	1	2	0.1699	6.829	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2035	1	3	0.2313	9.298	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2035	1	4	0.3662	13.848	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2035	1	5	0.3669	13.874	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2035	1	6	0.3981	15.036	6.8800	4.9123	37.7707	10.13	0.027524
1	1	8	2035	1	7	0.3671	13.866	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2035	1	8	0.3356	12.247	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2035	1	9	0.3811	13.908	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2035	1	10	0.3789	13.826	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2035	1	11	0.4099	14.959	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2035	1	12	0.4434	16.181	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2035	1	14	0.0417	1.252	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2035	1	15	0.0831	4.014	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2035	1	16	0.2094	9.433	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2035	1	17	0.2391	11.296	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2035	1	18	0.2791	15.823	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2035	1	19	0.3014	17.085	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2035	1	20	0.3727	24.136	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2035	1	21	0.4618	29.905	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2035	1	22	0.5286	68.835	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2035	1	23	0.5806	114.845	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2035	1	24	3.4610	29.703	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2035	1	25	0.5420	14.758	6.8800	4.9123	27.2301	6.45	0.000303
1	1	8	2035	1	26	0.4781	46.730	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2035	1	27	0.5731	15.607	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2035	1	28	0.1311	5.765	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2035	2	1	10.6770	320.435	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2035	2	2	8.6043	345.854	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2035	2	3	9.1754	368.812	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2035	2	4	10.8913	411.872	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2035	2	5	11.1443	421.440	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2035	2	6	15.1282	571.402	6.8800	4.9123	37.7707	10.13	0.027524

1	1	8	2035	2	7	19.5403	738.051	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2035	2	8	18.9900	693.004	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2035	2	9	22.1804	809.433	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2035	2	10	21.9531	801.137	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2035	2	11	26.0929	952.214	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2035	2	12	27.7885	1014.091	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2035	2	14	1.0342	31.037	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2035	2	15	0.4850	23.416	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2035	2	16	0.2221	10.008	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2035	2	17	0.2543	12.018	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2035	2	18	0.2967	16.819	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2035	2	19	0.3205	18.165	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2035	2	20	0.3289	21.303	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2035	2	21	0.4086	26.464	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2035	2	22	0.5629	73.308	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2035	2	23	0.6172	122.092	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2035	2	24	24.8289	213.087	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2035	2	25	31.7179	863.683	6.8800	4.9123	27.2301	6.45	0.000303
1	1	8	2035	2	26	0.7512	73.417	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2035	2	27	0.5070	13.805	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2035	2	28	0.6222	27.359	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2035	3	1	0.1582	4.749	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2035	3	2	0.1532	6.156	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2035	3	3	0.2113	8.493	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2035	3	4	0.3401	12.860	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2035	3	5	0.3612	13.661	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2035	3	6	0.1357	5.126	6.8800	4.9123	37.7707	10.13	0.027524
1	1	8	2035	3	7	0.1768	6.680	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2035	3	8	0.1581	5.769	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2035	3	9	0.1816	6.627	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2035	3	10	0.1796	6.555	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2035	3	11	0.2043	7.456	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2035	3	12	0.2161	7.885	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2035	3	14	0.0272	0.816	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2035	3	15	0.0437	2.108	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2035	3	16	0.2462	11.092	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2035	3	17	0.2826	13.354	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2035	3	18	0.3291	18.653	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2035	3	19	0.3555	20.148	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2035	3	20	0.4396	28.470	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2035	3	21	0.5451	35.302	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2035	3	22	0.6243	81.292	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2035	3	23	0.6858	135.661	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2035	3	24	1.5875	13.624	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2035	3	25	0.2462	6.703	6.8800	4.9123	27.2301	6.45	0.000303

1	1	8	2035	3	26	0.9106	89.004	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2035	3	27	0.6758	18.401	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2035	3	28	0.0505	2.219	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	9	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	9	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2035	1	1	0.2104	6.314	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2035	1	2	0.1609	6.467	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2035	1	3	0.2200	8.841	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2035	1	4	0.3478	13.153	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2035	1	5	0.3484	13.175	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2035	1	6	0.3679	13.896	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2035	1	7	0.3394	12.818	6.8800	4.9123	37.7707	9.39	0.000969
1	1	9	2035	1	8	0.3104	11.328	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2035	1	9	0.3523	12.858	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2035	1	10	0.3503	12.782	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2035	1	11	0.3789	13.826	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2035	1	12	0.4097	14.952	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2035	1	14	0.0401	1.203	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2035	1	15	0.0797	3.849	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2035	1	16	0.1994	8.985	6.6500	4.7481	45.0549	12.96	0.008198

1	1	9	2035	1	17	0.2277	10.760	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2035	1	18	0.2659	15.072	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2035	1	19	0.2871	16.275	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2035	1	20	0.3550	22.991	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2035	1	21	0.4399	28.487	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2035	1	22	0.5035	65.570	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2035	1	23	0.5530	109.397	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2035	1	24	3.2704	28.067	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2035	1	25	0.5004	13.625	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2035	1	26	0.4554	44.514	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2035	1	27	0.5460	14.866	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2035	1	28	0.1258	5.531	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2035	2	1	10.5151	315.576	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2035	2	2	8.4496	339.637	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2035	2	3	9.0152	362.372	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2035	2	4	10.6788	403.836	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2035	2	5	10.9289	413.295	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2035	2	6	14.0167	529.422	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2035	2	7	18.1047	683.827	6.8800	4.9123	37.7707	9.39	0.000969
1	1	9	2035	2	8	17.5948	642.090	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2035	2	9	20.5508	749.965	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2035	2	10	20.3402	742.279	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2035	2	11	24.1759	882.256	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2035	2	12	25.7470	939.587	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2035	2	14	0.9776	29.340	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2035	2	15	0.4567	22.053	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2035	2	16	0.2069	9.323	6.6500	4.7481	45.0549	12.96	0.008198
1	1	9	2035	2	17	0.2369	11.195	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2035	2	18	0.2764	15.668	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2035	2	19	0.2985	16.921	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2035	2	20	0.3064	19.844	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2035	2	21	0.3807	24.652	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2035	2	22	0.5244	68.289	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2035	2	23	0.5749	113.733	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2035	2	24	23.0192	197.556	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2035	2	25	29.3877	800.230	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2035	2	26	0.6997	68.391	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2035	2	27	0.4723	12.860	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2035	2	28	0.5866	25.794	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2035	3	1	0.1528	4.585	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2035	3	2	0.1478	5.940	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2035	3	3	0.2040	8.201	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2035	3	4	0.3289	12.437	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2035	3	5	0.3499	13.232	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2035	3	6	0.1372	5.182	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2035	3	7	0.1788	6.752	6.8800	4.9123	37.7707	9.39	0.000969

1	1	9	2035	3	8	0.1598	5.831	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2035	3	9	0.1835	6.698	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2035	3	10	0.1816	6.626	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2035	3	11	0.2065	7.537	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2035	3	12	0.2184	7.970	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2035	3	14	0.0263	0.789	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2035	3	15	0.0422	2.039	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2035	3	16	0.2380	10.724	6.6500	4.7481	45.0549	12.96	0.008198
1	1	9	2035	3	17	0.2732	12.911	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2035	3	18	0.3182	18.034	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2035	3	19	0.3437	19.480	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2035	3	20	0.4250	27.525	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2035	3	21	0.5270	34.131	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2035	3	22	0.6035	78.595	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2035	3	23	0.6631	131.161	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2035	3	24	1.5923	13.665	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2035	3	25	0.2488	6.775	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2035	3	26	0.8804	86.052	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2035	3	27	0.6533	17.790	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2035	3	28	0.0488	2.147	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	10	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655

1	1	10	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2035	1	1	0.2000	6.004	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2035	1	2	0.1533	6.161	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2035	1	3	0.2103	8.455	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2035	1	4	0.3322	12.564	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2035	1	5	0.3327	12.583	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2035	1	6	0.3424	12.931	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2035	1	7	0.3159	11.931	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2035	1	8	0.2891	10.550	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2035	1	9	0.3280	11.970	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2035	1	10	0.3261	11.899	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2035	1	11	0.3526	12.867	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2035	1	12	0.3812	13.911	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2035	1	14	0.0387	1.161	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2035	1	15	0.0768	3.709	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2035	1	16	0.1910	8.607	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2035	1	17	0.2181	10.307	6.6500	4.7481	47.2522	11.66	0.002544
1	1	10	2035	1	18	0.2547	14.437	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2035	1	19	0.2750	15.589	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2035	1	20	0.3401	22.022	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2035	1	21	0.4213	27.286	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2035	1	22	0.4823	62.807	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2035	1	23	0.5297	104.787	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2035	1	24	3.1091	26.683	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2035	1	25	0.4652	12.667	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2035	1	26	0.4362	42.638	6.6500	4.7481	97.7390	4.36	0.003655
1	1	10	2035	1	27	0.5229	14.240	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2035	1	28	0.1213	5.333	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2035	2	1	10.3781	311.466	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2035	2	2	8.3187	334.377	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2035	2	3	8.8796	356.923	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2035	2	4	10.4990	397.037	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2035	2	5	10.7467	406.403	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2035	2	6	13.0763	493.900	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2035	2	7	16.8900	637.946	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2035	2	8	16.4143	599.009	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2035	2	9	19.1720	699.646	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2035	2	10	18.9755	692.475	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2035	2	11	22.5539	823.061	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2035	2	12	24.0195	876.546	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2035	2	14	0.9298	27.904	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2035	2	15	0.4328	20.900	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2035	2	16	0.1940	8.743	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2035	2	17	0.2222	10.499	6.6500	4.7481	47.2522	11.66	0.002544

1	1	10	2035	2	18	0.2592	14.693	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2035	2	19	0.2800	15.869	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2035	2	20	0.2874	18.610	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2035	2	21	0.3570	23.119	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2035	2	22	0.4918	64.042	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2035	2	23	0.5392	106.660	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2035	2	24	21.4879	184.414	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2035	2	25	27.4159	746.538	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2035	2	26	0.6562	64.138	6.6500	4.7481	97.7390	4.36	0.003655
1	1	10	2035	2	27	0.4429	12.060	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2035	2	28	0.5564	24.469	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2035	3	1	0.1482	4.447	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2035	3	2	0.1432	5.757	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2035	3	3	0.1979	7.955	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2035	3	4	0.3194	12.079	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2035	3	5	0.3403	12.870	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2035	3	6	0.1384	5.229	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2035	3	7	0.1804	6.813	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2035	3	8	0.1612	5.884	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2035	3	9	0.1852	6.759	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2035	3	10	0.1832	6.686	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2035	3	11	0.2084	7.605	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2035	3	12	0.2204	8.043	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2035	3	14	0.0256	0.767	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2035	3	15	0.0410	1.981	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2035	3	16	0.2311	10.413	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2035	3	17	0.2653	12.536	6.6500	4.7481	47.2522	11.66	0.002544
1	1	10	2035	3	18	0.3089	17.511	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2035	3	19	0.3337	18.914	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2035	3	20	0.4127	26.726	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2035	3	21	0.5117	33.140	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2035	3	22	0.5860	76.313	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2035	3	23	0.6438	127.353	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2035	3	24	1.5963	13.700	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2035	3	25	0.2511	6.837	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2035	3	26	0.8549	83.554	6.6500	4.7481	97.7390	4.36	0.003655
1	1	10	2035	3	27	0.6344	17.274	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2035	3	28	0.0474	2.086	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281

1	1	11	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	11	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	11	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2035	1	1	0.1912	5.738	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2035	1	2	0.1468	5.899	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2035	1	3	0.2021	8.124	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2035	1	4	0.3189	12.060	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2035	1	5	0.3193	12.075	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2035	1	6	0.3205	12.104	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2035	1	7	0.2958	11.171	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2035	1	8	0.2708	9.884	6.8800	4.9123	36.4932	9.35	0.000281
1	1	11	2035	1	9	0.3071	11.208	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2035	1	10	0.3053	11.142	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2035	1	11	0.3301	12.046	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2035	1	12	0.3568	13.020	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2035	1	14	0.0375	1.126	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2035	1	15	0.0743	3.589	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2035	1	16	0.1838	8.282	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2035	1	17	0.2099	9.918	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2035	1	18	0.2451	13.893	6.6500	4.7481	56.6821	10.20	0.002699
1	1	11	2035	1	19	0.2647	15.001	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2035	1	20	0.3272	21.192	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2035	1	21	0.4055	26.257	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2035	1	22	0.4641	60.439	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2035	1	23	0.5097	100.836	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2035	1	24	2.9709	25.497	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2035	1	25	0.4350	11.846	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2035	1	26	0.4198	41.030	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2035	1	27	0.5032	13.703	6.6500	4.7481	27.2301	6.18	0.007008

1	1	11	2035	1	28	0.1174	5.164	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2035	2	1	10.2607	307.942	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2035	2	2	8.2066	329.868	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2035	2	3	8.7635	352.253	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2035	2	4	10.3449	391.209	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2035	2	5	10.5905	400.496	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2035	2	6	12.2702	463.453	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2035	2	7	15.8488	598.619	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2035	2	8	15.4024	562.083	6.8800	4.9123	36.4932	9.35	0.000281
1	1	11	2035	2	9	17.9901	656.516	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2035	2	10	17.8057	649.787	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2035	2	11	21.1635	772.322	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2035	2	12	22.5387	822.510	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2035	2	14	0.8888	26.673	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2035	2	15	0.4124	19.911	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2035	2	16	0.1830	8.246	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2035	2	17	0.2096	9.902	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2035	2	18	0.2445	13.858	6.6500	4.7481	56.6821	10.20	0.002699
1	1	11	2035	2	19	0.2641	14.967	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2035	2	20	0.2710	17.552	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2035	2	21	0.3367	21.805	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2035	2	22	0.4638	60.402	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2035	2	23	0.5085	100.597	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2035	2	24	20.1754	173.150	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2035	2	25	25.7258	700.517	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2035	2	26	0.6189	60.492	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2035	2	27	0.4177	11.375	6.6500	4.7481	27.2301	6.18	0.007008
1	1	11	2035	2	28	0.5306	23.334	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2035	3	1	0.1442	4.329	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2035	3	2	0.1393	5.600	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2035	3	3	0.1926	7.743	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2035	3	4	0.3113	11.772	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2035	3	5	0.3321	12.559	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2035	3	6	0.1395	5.269	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2035	3	7	0.1818	6.866	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2035	3	8	0.1625	5.929	6.8800	4.9123	36.4932	9.35	0.000281
1	1	11	2035	3	9	0.1866	6.811	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2035	3	10	0.1846	6.738	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2035	3	11	0.2100	7.664	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2035	3	12	0.2221	8.104	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2035	3	14	0.0249	0.748	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2035	3	15	0.0400	1.931	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2035	3	16	0.2252	10.146	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2035	3	17	0.2585	12.215	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2035	3	18	0.3010	17.062	6.6500	4.7481	56.6821	10.20	0.002699

1	1	11	2035	3	19	0.3251	18.430	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2035	3	20	0.4021	26.041	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2035	3	21	0.4986	32.291	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2035	3	22	0.5710	74.358	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2035	3	23	0.6273	124.090	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2035	3	24	1.5998	13.730	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2035	3	25	0.2530	6.889	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2035	3	26	0.8330	81.412	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2035	3	27	0.6181	16.831	6.6500	4.7481	27.2301	6.18	0.007008
1	1	11	2035	3	28	0.0462	2.034	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	12	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2035	1	1	0.1835	5.508	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2035	1	2	0.1411	5.672	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2035	1	3	0.1950	7.837	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2035	1	4	0.3073	11.623	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2035	1	5	0.3077	11.635	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2035	1	6	0.3015	11.388	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2035	1	7	0.2783	10.512	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2035	1	8	0.2550	9.306	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2035	1	9	0.2890	10.548	6.8800	4.9123	36.4931	8.01	0.000959

1	1	12	2035	1	10	0.2873	10.486	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2035	1	11	0.3106	11.333	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2035	1	12	0.3356	12.247	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2035	1	14	0.0365	1.095	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2035	1	15	0.0722	3.484	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2035	1	16	0.1776	8.001	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2035	1	17	0.2028	9.581	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2035	1	18	0.2368	13.421	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2035	1	19	0.2557	14.492	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2035	1	20	0.3161	20.472	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2035	1	21	0.3917	25.366	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2035	1	22	0.4484	58.386	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2035	1	23	0.4924	97.412	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2035	1	24	2.8511	24.469	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2035	1	25	0.4089	11.134	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2035	1	26	0.4055	39.637	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2035	1	27	0.4861	13.238	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2035	1	28	0.1141	5.017	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2035	2	1	10.1590	304.889	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2035	2	2	8.1093	325.960	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2035	2	3	8.6628	348.205	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2035	2	4	10.2113	386.159	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2035	2	5	10.4551	395.376	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2035	2	6	11.5716	437.065	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2035	2	7	14.9464	564.535	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2035	2	8	14.5254	530.079	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2035	2	9	16.9658	619.136	6.8800	4.9123	36.4931	8.01	0.000959
1	1	12	2035	2	10	16.7919	612.790	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2035	2	11	19.9585	728.349	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2035	2	12	21.2555	775.679	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2035	2	14	0.8532	25.607	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2035	2	15	0.3946	19.055	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2035	2	16	0.1735	7.815	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2035	2	17	0.1986	9.385	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2035	2	18	0.2317	13.134	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2035	2	19	0.2503	14.185	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2035	2	20	0.2569	16.636	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2035	2	21	0.3191	20.666	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2035	2	22	0.4396	57.247	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2035	2	23	0.4820	95.343	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2035	2	24	19.0379	163.388	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2035	2	25	24.2610	660.632	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2035	2	26	0.5866	57.332	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2035	2	27	0.3959	10.781	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2035	2	28	0.5082	22.350	8.0600	5.7548	43.9743	17.00	0.002242

1	1	12	2035	3	1	0.1408	4.226	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2035	3	2	0.1360	5.465	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2035	3	3	0.1881	7.560	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2035	3	4	0.3042	11.506	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2035	3	5	0.3250	12.289	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2035	3	6	0.1404	5.304	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2035	3	7	0.1830	6.911	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2035	3	8	0.1636	5.969	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2035	3	9	0.1879	6.856	6.8800	4.9123	36.4931	8.01	0.000959
1	1	12	2035	3	10	0.1858	6.782	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2035	3	11	0.2114	7.714	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2035	3	12	0.2235	8.158	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2035	3	14	0.0244	0.731	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2035	3	15	0.0391	1.888	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2035	3	16	0.2201	9.914	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2035	3	17	0.2526	11.936	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2035	3	18	0.2942	16.673	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2035	3	19	0.3177	18.010	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2035	3	20	0.3930	25.448	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2035	3	21	0.4873	31.555	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2035	3	22	0.5580	72.663	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2035	3	23	0.6130	121.261	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2035	3	24	1.6028	13.756	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2035	3	25	0.2547	6.935	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2035	3	26	0.8140	79.556	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2035	3	27	0.6040	16.448	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2035	3	28	0.0452	1.988	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	13	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293

1	1	13	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2035	1	1	0.1768	5.306	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2035	1	2	0.1362	5.473	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2035	1	3	0.1887	7.586	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2035	1	4	0.2972	11.240	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2035	1	5	0.2975	11.251	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2035	1	6	0.2820	10.652	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2035	1	7	0.2605	9.840	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2035	1	8	0.2388	8.714	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2035	1	9	0.2704	9.867	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2035	1	10	0.2688	9.810	6.8800	4.9123	36.4932	8.14	0.001996
1	1	13	2035	1	11	0.2904	10.596	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2035	1	12	0.3136	11.444	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2035	1	14	0.0352	1.055	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2035	1	15	0.0694	3.352	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2035	1	16	0.1696	7.642	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2035	1	17	0.1937	9.151	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2035	1	18	0.2261	12.818	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2035	1	19	0.2442	13.841	6.6500	4.7481	56.6821	9.88	0.001293
1	1	13	2035	1	20	0.3019	19.553	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2035	1	21	0.3741	24.226	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2035	1	22	0.4282	55.764	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2035	1	23	0.4703	93.037	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2035	1	24	2.7543	23.638	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2035	1	25	0.3823	10.410	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2035	1	26	0.3873	37.857	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2035	1	27	0.4643	12.643	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2035	1	28	0.1098	4.829	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2035	2	1	10.0700	302.217	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2035	2	2	8.0243	322.541	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2035	2	3	8.5746	344.663	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2035	2	4	10.0945	381.739	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2035	2	5	10.3366	390.896	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2035	2	6	10.8271	408.948	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2035	2	7	13.9849	528.218	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2035	2	8	13.5910	495.978	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2035	2	9	15.8744	579.306	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2035	2	10	15.7117	573.368	6.8800	4.9123	36.4932	8.14	0.001996

1	1	13	2035	2	11	18.6745	681.493	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2035	2	12	19.8881	725.778	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2035	2	14	0.8138	24.422	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2035	2	15	0.3749	18.103	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2035	2	16	0.1628	7.337	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2035	2	17	0.1865	8.811	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2035	2	18	0.2175	12.331	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2035	2	19	0.2349	13.317	6.6500	4.7481	56.6821	9.88	0.001293
1	1	13	2035	2	20	0.2412	15.618	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2035	2	21	0.2996	19.401	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2035	2	22	0.4127	53.744	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2035	2	23	0.4525	89.508	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2035	2	24	18.1214	155.522	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2035	2	25	22.7003	618.132	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2035	2	26	0.5507	53.824	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2035	2	27	0.3717	10.121	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2035	2	28	0.4834	21.257	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2035	3	1	0.1378	4.137	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2035	3	2	0.1330	5.346	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2035	3	3	0.1841	7.400	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2035	3	4	0.2981	11.273	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2035	3	5	0.3187	12.053	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2035	3	6	0.1420	5.365	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2035	3	7	0.1851	6.991	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2035	3	8	0.1654	6.037	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2035	3	9	0.1900	6.935	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2035	3	10	0.1880	6.860	6.8800	4.9123	36.4932	8.14	0.001996
1	1	13	2035	3	11	0.2138	7.803	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2035	3	12	0.2261	8.252	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2035	3	14	0.0237	0.712	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2035	3	15	0.0381	1.837	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2035	3	16	0.2140	9.644	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2035	3	17	0.2457	11.610	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2035	3	18	0.2861	16.218	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2035	3	19	0.3090	17.517	6.6500	4.7481	56.6821	9.88	0.001293
1	1	13	2035	3	20	0.3822	24.752	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2035	3	21	0.4739	30.693	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2035	3	22	0.5427	70.677	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2035	3	23	0.5963	117.947	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2035	3	24	1.6234	13.932	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2035	3	25	0.2576	7.015	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2035	3	26	0.7917	77.383	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2035	3	27	0.5875	15.998	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2035	3	28	0.0440	1.935	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246

1	1	14	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	14	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	14	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2035	1	1	0.1709	5.128	7.2800	5.3799	30.0117	24.10	0.281246
1	1	14	2035	1	2	0.1318	5.298	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2035	1	3	0.1832	7.364	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2035	1	4	0.2883	10.903	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2035	1	5	0.2885	10.911	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2035	1	6	0.2648	10.003	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2035	1	7	0.2448	9.246	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2035	1	8	0.2245	8.192	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2035	1	9	0.2539	9.266	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2035	1	10	0.2525	9.213	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2035	1	11	0.2725	9.945	6.8800	4.9123	36.4932	7.45	0.000819
1	1	14	2035	1	12	0.2942	10.735	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2035	1	14	0.0340	1.021	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2035	1	15	0.0670	3.234	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2035	1	16	0.1626	7.325	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2035	1	17	0.1856	8.771	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2035	1	18	0.2168	12.286	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2035	1	19	0.2341	13.267	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2035	1	20	0.2894	18.741	6.6500	4.7481	64.7605	8.71	0.006032

1	1	14	2035	1	21	0.3586	23.221	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2035	1	22	0.4105	53.451	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2035	1	23	0.4508	89.177	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2035	1	24	2.6689	22.905	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2035	1	25	0.3588	9.770	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2035	1	26	0.3713	36.286	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2035	1	27	0.4450	12.119	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2035	1	28	0.1060	4.663	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2035	2	1	9.9914	299.859	7.2800	5.3799	30.0117	24.10	0.281246
1	1	14	2035	2	2	7.9492	319.524	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2035	2	3	8.4969	341.538	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2035	2	4	9.9914	377.840	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2035	2	5	10.2321	386.943	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2035	2	6	10.1703	384.139	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2035	2	7	13.1365	496.173	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2035	2	8	12.7665	465.889	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2035	2	9	14.9113	544.161	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2035	2	10	14.7585	538.584	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2035	2	11	17.5416	640.149	6.8800	4.9123	36.4932	7.45	0.000819
1	1	14	2035	2	12	18.6815	681.748	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2035	2	14	0.7789	23.377	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2035	2	15	0.3575	17.264	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2035	2	16	0.1535	6.915	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2035	2	17	0.1757	8.304	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2035	2	18	0.2050	11.621	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2035	2	19	0.2214	12.551	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2035	2	20	0.2273	14.719	6.6500	4.7481	64.7605	8.71	0.006032
1	1	14	2035	2	21	0.2824	18.285	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2035	2	22	0.3890	50.652	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2035	2	23	0.4265	84.360	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2035	2	24	17.3128	148.582	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2035	2	25	21.3232	580.632	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2035	2	26	0.5190	50.728	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2035	2	27	0.3503	9.539	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2035	2	28	0.4615	20.293	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2035	3	1	0.1352	4.057	7.2800	5.3799	30.0117	24.10	0.281246
1	1	14	2035	3	2	0.1304	5.241	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2035	3	3	0.1806	7.258	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2035	3	4	0.2927	11.067	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2035	3	5	0.3132	11.845	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2035	3	6	0.1435	5.419	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2035	3	7	0.1869	7.061	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2035	3	8	0.1671	6.098	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2035	3	9	0.1919	7.005	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2035	3	10	0.1899	6.929	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2035	3	11	0.2160	7.881	6.8800	4.9123	36.4932	7.45	0.000819

1	1	14	2035	3	12	0.2284	8.335	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2035	3	14	0.0232	0.695	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2035	3	15	0.0371	1.793	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2035	3	16	0.2087	9.404	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2035	3	17	0.2396	11.322	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2035	3	18	0.2790	15.816	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2035	3	19	0.3014	17.083	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2035	3	20	0.3727	24.139	6.6500	4.7481	64.7605	8.71	0.006032
1	1	14	2035	3	21	0.4622	29.932	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2035	3	22	0.5293	68.925	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2035	3	23	0.5815	115.024	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2035	3	24	1.6416	14.088	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2035	3	25	0.2602	7.085	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2035	3	26	0.7721	75.464	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2035	3	27	0.5730	15.602	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2035	3	28	0.0429	1.888	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	15	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2035	1	1	0.1656	4.970	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2035	1	2	0.1279	5.142	8.0600	5.7548	40.1957	18.50	0.101405

1	1	15	2035	1	3	0.1783	7.167	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2035	1	4	0.2804	10.603	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2035	1	5	0.2805	10.609	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2035	1	6	0.2496	9.426	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2035	1	7	0.2308	8.719	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2035	1	8	0.2118	7.729	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2035	1	9	0.2393	8.732	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2035	1	10	0.2379	8.682	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2035	1	11	0.2567	9.367	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2035	1	12	0.2769	10.105	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2035	1	14	0.0330	0.990	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2035	1	15	0.0648	3.130	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2035	1	16	0.1563	7.043	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2035	1	17	0.1785	8.434	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2035	1	18	0.2084	11.814	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2035	1	19	0.2250	12.756	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2035	1	20	0.2783	18.020	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2035	1	21	0.3448	22.328	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2035	1	22	0.3947	51.394	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2035	1	23	0.4335	85.746	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2035	1	24	2.5930	22.254	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2035	1	25	0.3379	9.202	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2035	1	26	0.3570	34.890	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2035	1	27	0.4279	11.652	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2035	1	28	0.1027	4.516	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2035	2	1	9.9216	297.763	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2035	2	2	7.8825	316.842	8.0600	5.7548	40.1957	18.50	0.101405
1	1	15	2035	2	3	8.4278	338.761	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2035	2	4	9.8997	374.374	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2035	2	5	10.1392	383.430	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2035	2	6	9.5864	362.086	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2035	2	7	12.3823	467.688	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2035	2	8	12.0336	439.143	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2035	2	9	14.0553	512.922	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2035	2	10	13.9112	507.665	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2035	2	11	16.5346	603.399	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2035	2	12	17.6091	642.610	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2035	2	14	0.7480	22.448	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2035	2	15	0.3421	16.518	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2035	2	16	0.1452	6.540	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2035	2	17	0.1662	7.854	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2035	2	18	0.1939	10.991	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2035	2	19	0.2094	11.870	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2035	2	20	0.2150	13.921	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2035	2	21	0.2670	17.293	6.6500	4.7481	64.7605	7.53	0.008655

1	1	15	2035	2	22	0.3679	47.905	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2035	2	23	0.4033	79.784	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2035	2	24	16.5940	142.413	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2035	2	25	20.0990	547.299	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2035	2	26	0.4909	47.976	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2035	2	27	0.3313	9.021	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2035	2	28	0.4420	19.436	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2035	3	1	0.1328	3.987	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2035	3	2	0.1281	5.148	8.0600	5.7548	40.1957	18.50	0.101405
1	1	15	2035	3	3	0.1774	7.133	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2035	3	4	0.2878	10.885	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2035	3	5	0.3083	11.660	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2035	3	6	0.1447	5.466	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2035	3	7	0.1886	7.123	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2035	3	8	0.1686	6.152	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2035	3	9	0.1936	7.066	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2035	3	10	0.1915	6.990	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2035	3	11	0.2179	7.951	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2035	3	12	0.2304	8.408	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2035	3	14	0.0226	0.680	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2035	3	15	0.0363	1.753	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2035	3	16	0.2040	9.192	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2035	3	17	0.2342	11.067	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2035	3	18	0.2727	15.458	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2035	3	19	0.2946	16.697	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2035	3	20	0.3643	23.593	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2035	3	21	0.4518	29.256	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2035	3	22	0.5173	67.368	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2035	3	23	0.5683	112.425	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2035	3	24	1.6577	14.227	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2035	3	25	0.2625	7.148	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2035	3	26	0.7547	73.759	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2035	3	27	0.5600	15.249	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2035	3	28	0.0420	1.847	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	16	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002

1	1	16	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	16	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	16	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	16	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	16	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	16	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2035	1	1	0.1609	4.829	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2035	1	2	0.1245	5.003	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2035	1	3	0.1739	6.991	8.0600	5.7548	40.1957	18.50	0.337320
1	1	16	2035	1	4	0.2733	10.334	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2035	1	5	0.2734	10.339	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2035	1	6	0.2359	8.910	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2035	1	7	0.2183	8.247	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2035	1	8	0.2004	7.313	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2035	1	9	0.2262	8.254	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2035	1	10	0.2249	8.208	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2035	1	11	0.2425	8.849	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2035	1	12	0.2615	9.541	6.8800	4.9123	36.4932	7.07	0.000002
1	1	16	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2035	1	14	0.0321	0.962	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2035	1	15	0.0629	3.037	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2035	1	16	0.1507	6.791	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2035	1	17	0.1721	8.132	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2035	1	18	0.2010	11.391	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2035	1	19	0.2170	12.300	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2035	1	20	0.2683	17.375	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2035	1	21	0.3324	21.529	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2035	1	22	0.3805	49.554	6.6500	4.7481	130.2221	6.59	0.010278
1	1	16	2035	1	23	0.4179	82.676	6.6500	4.7481	197.8148	6.30	0.036527
1	1	16	2035	1	24	2.5251	21.671	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2035	1	25	0.3193	8.693	6.8800	4.9123	27.2301	6.45	0.000303
1	1	16	2035	1	26	0.3442	33.641	6.6500	4.7481	97.7390	4.36	0.003655
1	1	16	2035	1	27	0.4126	11.235	6.6500	4.7481	27.2301	6.18	0.007008
1	1	16	2035	1	28	0.0997	4.384	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2035	2	1	9.8591	295.888	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2035	2	2	7.8228	314.443	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2035	2	3	8.3660	336.275	8.0600	5.7548	40.1957	18.50	0.337320

1	1	16	2035	2	4	9.8177	371.272	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2035	2	5	10.0561	380.286	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2035	2	6	9.0640	342.355	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2035	2	7	11.7076	442.202	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2035	2	8	11.3778	415.213	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2035	2	9	13.2894	484.971	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2035	2	10	13.1532	480.000	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2035	2	11	15.6336	570.518	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2035	2	12	16.6495	607.592	6.8800	4.9123	36.4932	7.07	0.000002
1	1	16	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2035	2	14	0.7203	21.617	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2035	2	15	0.3283	15.850	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2035	2	16	0.1377	6.204	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2035	2	17	0.1577	7.451	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2035	2	18	0.1840	10.427	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2035	2	19	0.1987	11.261	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2035	2	20	0.2039	13.206	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2035	2	21	0.2533	16.406	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2035	2	22	0.3490	45.446	6.6500	4.7481	130.2221	6.59	0.010278
1	1	16	2035	2	23	0.3826	75.690	6.6500	4.7481	197.8148	6.30	0.036527
1	1	16	2035	2	24	15.9509	136.894	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2035	2	25	19.0038	517.475	6.8800	4.9123	27.2301	6.45	0.000303
1	1	16	2035	2	26	0.4657	45.514	6.6500	4.7481	97.7390	4.36	0.003655
1	1	16	2035	2	27	0.3143	8.558	6.6500	4.7481	27.2301	6.18	0.007008
1	1	16	2035	2	28	0.4246	18.669	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2035	3	1	0.1307	3.924	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2035	3	2	0.1260	5.064	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2035	3	3	0.1746	7.020	8.0600	5.7548	40.1957	18.50	0.337320
1	1	16	2035	3	4	0.2835	10.722	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2035	3	5	0.3040	11.495	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2035	3	6	0.1459	5.509	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2035	3	7	0.1901	7.179	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2035	3	8	0.1699	6.200	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2035	3	9	0.1952	7.122	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2035	3	10	0.1930	7.045	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2035	3	11	0.2196	8.013	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2035	3	12	0.2322	8.474	6.8800	4.9123	36.4932	7.07	0.000002
1	1	16	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2035	3	14	0.0222	0.666	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2035	3	15	0.0356	1.718	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2035	3	16	0.1998	9.002	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2035	3	17	0.2294	10.838	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2035	3	18	0.2671	15.138	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2035	3	19	0.2885	16.352	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2035	3	20	0.3568	23.105	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2035	3	21	0.4424	28.651	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2035	3	22	0.5066	65.974	6.6500	4.7481	130.2221	6.59	0.010278

1	1	16	2035	3	23	0.5566	110.100	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	16	2035	3	24	1.6722	14.351	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	16	2035	3	25	0.2646	7.204	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	16	2035	3	26	0.7390	72.234	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	16	2035	3	27	0.5484	14.934	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	16	2035	3	28	0.0411	1.809	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	17	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	17	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	17	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	17	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	17	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	17	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	17	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	17	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	17	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	17	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	17	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	17	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	17	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	17	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	17	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	17	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	17	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	17	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	17	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	17	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	17	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	17	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	17	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	17	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	17	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	17	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	17	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	17	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	17	2035	1	1	0.1567	4.702	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	17	2035	1	2	0.1213	4.877	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	17	2035	1	3	0.1700	6.833	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	17	2035	1	4	0.2669	10.093	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	17	2035	1	5	0.2670	10.096	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	17	2035	1	6	0.2236	8.445	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	17	2035	1	7	0.2071	7.822	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	17	2035	1	8	0.1902	6.940	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	17	2035	1	9	0.2144	7.824	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	17	2035	1	10	0.2132	7.780	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	17	2035	1	11	0.2297	8.383	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	17	2035	1	12	0.2475	9.034	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	17	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											

1	1	17	2035	1	14	0.0312	0.937	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	17	2035	1	15	0.0612	2.953	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	17	2035	1	16	0.1457	6.564	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	17	2035	1	17	0.1663	7.860	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	17	2035	1	18	0.1942	11.010	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	17	2035	1	19	0.2097	11.888	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	17	2035	1	20	0.2593	16.795	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	17	2035	1	21	0.3213	20.809	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	17	2035	1	22	0.3678	47.898	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	17	2035	1	23	0.4040	79.913	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	17	2035	1	24	2.4640	21.146	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	17	2035	1	25	0.3024	8.236	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	17	2035	1	26	0.3327	32.517	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	17	2035	1	27	0.3988	10.860	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	17	2035	1	28	0.0970	4.265	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	17	2035	2	1	9.8029	294.201	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	17	2035	2	2	7.7691	312.283	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	17	2035	2	3	8.3103	334.038	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	17	2035	2	4	9.7439	368.481	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	17	2035	2	5	9.9812	377.457	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	17	2035	2	6	8.5939	324.596	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	17	2035	2	7	11.1003	419.265	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	17	2035	2	8	10.7877	393.675	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	17	2035	2	9	12.6000	459.815	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	17	2035	2	10	12.4709	455.102	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	17	2035	2	11	14.8226	540.925	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	17	2035	2	12	15.7858	576.075	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	17	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	17	2035	2	14	0.6954	20.869	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	17	2035	2	15	0.3158	15.249	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	17	2035	2	16	0.1310	5.902	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	17	2035	2	17	0.1500	7.088	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	17	2035	2	18	0.1750	9.919	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	17	2035	2	19	0.1890	10.713	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	17	2035	2	20	0.1940	12.564	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	17	2035	2	21	0.2410	15.607	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	17	2035	2	22	0.3320	43.234	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	17	2035	2	23	0.3640	72.005	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	17	2035	2	24	15.3720	131.926	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	17	2035	2	25	18.0180	490.633	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	17	2035	2	26	0.4430	43.298	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	17	2035	2	27	0.2990	8.142	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	17	2035	2	28	0.4089	17.979	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	17	2035	3	1	0.1289	3.867	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	17	2035	3	2	0.1241	4.989	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	17	2035	3	3	0.1721	6.919	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	17	2035	3	4	0.2796	10.575	8.0600	5.7548	37.8166	14.20
0.103547											

1	1	17	2035	3	5	0.3000	11.346	8.0600	5.7548	37.8166	14.20	0.047578
1	1	17	2035	3	6	0.1469	5.548	6.8800	4.9123	37.7707	10.13	0.027524
1	1	17	2035	3	7	0.1914	7.229	6.8800	4.9123	37.7707	9.39	0.000969
1	1	17	2035	3	8	0.1711	6.243	6.8800	4.9123	36.4932	9.35	0.000281
1	1	17	2035	3	9	0.1965	7.172	6.8800	4.9123	36.4931	8.01	0.000959
1	1	17	2035	3	10	0.1944	7.094	6.8800	4.9123	36.4932	8.14	0.001996
1	1	17	2035	3	11	0.2211	8.069	6.8800	4.9123	36.4932	7.45	0.000819
1	1	17	2035	3	12	0.2338	8.534	6.8800	4.9123	36.4932	7.07	0.000002
1	1	17	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	17	2035	3	14	0.0218	0.654	7.2800	5.1979	30.0117	32.40	0.000028
1	1	17	2035	3	15	0.0349	1.686	8.0600	5.7548	48.2848	22.10	0.004518
1	1	17	2035	3	16	0.1960	8.831	6.6500	4.7481	45.0549	12.96	0.008198
1	1	17	2035	3	17	0.2250	10.632	6.6500	4.7481	47.2522	11.66	0.002544
1	1	17	2035	3	18	0.2620	14.851	6.6500	4.7481	56.6821	10.20	0.002699
1	1	17	2035	3	19	0.2830	16.041	6.6500	4.7481	56.6821	9.88	0.001293
1	1	17	2035	3	20	0.3500	22.666	6.6500	4.7481	64.7605	8.71	0.006032
1	1	17	2035	3	21	0.4340	28.106	6.6500	4.7481	64.7605	7.53	0.008655
1	1	17	2035	3	22	0.4970	64.720	6.6500	4.7481	130.2221	6.59	0.010278
1	1	17	2035	3	23	0.5460	108.007	6.6500	4.7481	197.8148	6.30	0.036527
1	1	17	2035	3	24	1.6852	14.463	1.3500	0.9639	8.5822	50.00	0.002374
1	1	17	2035	3	25	0.2664	7.254	6.8800	4.9123	27.2301	6.45	0.000303
1	1	17	2035	3	26	0.7250	70.861	6.6500	4.7481	97.7390	4.36	0.003655
1	1	17	2035	3	27	0.5380	14.650	6.6500	4.7481	27.2301	6.18	0.007008
1	1	17	2035	3	28	0.0404	1.776	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	18	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527

1	1	18	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2035	1	1	0.1528	4.587	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2035	1	2	0.1185	4.764	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2035	1	3	0.1664	6.689	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2035	1	4	0.2611	9.874	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2035	1	5	0.2612	9.876	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2035	1	6	0.2119	8.005	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2035	1	7	0.1964	7.420	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2035	1	8	0.1805	6.586	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2035	1	9	0.2032	7.416	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2035	1	10	0.2021	7.375	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2035	1	11	0.2176	7.941	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2035	1	12	0.2343	8.552	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2035	1	14	0.0303	0.910	7.2800	5.1979	30.0117	32.40	0.000028
1	1	18	2035	1	15	0.0592	2.859	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2035	1	16	0.1401	6.311	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2035	1	17	0.1600	7.558	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2035	1	18	0.1868	10.587	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2035	1	19	0.2017	11.432	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2035	1	20	0.2494	16.149	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2035	1	21	0.3090	20.010	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2035	1	22	0.3537	46.058	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2035	1	23	0.3885	76.843	6.6500	4.7481	197.8148	6.30	0.036527
1	1	18	2035	1	24	2.4072	20.659	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2035	1	25	0.2866	7.803	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2035	1	26	0.3199	31.267	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2035	1	27	0.3835	10.443	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2035	1	28	0.0940	4.133	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2035	2	1	9.7546	292.752	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2035	2	2	7.7229	310.427	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2035	2	3	8.2628	332.128	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2035	2	4	9.6817	366.129	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2035	2	5	9.9182	375.074	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2035	2	6	8.1533	307.954	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2035	2	7	10.5312	397.769	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2035	2	8	10.2346	373.491	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2035	2	9	11.9540	436.240	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2035	2	10	11.8315	431.769	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2035	2	11	14.0627	513.191	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2035	2	12	14.9765	546.540	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2035	2	14	0.6710	20.139	7.2800	5.1979	30.0117	32.40	0.000028

1	1	18	2035	2	15	0.3037	14.663	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2035	2	16	0.1245	5.608	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2035	2	17	0.1425	6.734	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2035	2	18	0.1663	9.424	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2035	2	19	0.1796	10.178	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2035	2	20	0.1843	11.936	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2035	2	21	0.2290	14.828	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2035	2	22	0.3154	41.076	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2035	2	23	0.3458	68.411	6.6500	4.7481	197.8148	6.30	0.036527
1	1	18	2035	2	24	14.8370	127.334	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2035	2	25	17.0942	465.478	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2035	2	26	0.4209	41.137	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2035	2	27	0.2841	7.735	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2035	2	28	0.3936	17.306	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2035	3	1	0.1272	3.816	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2035	3	2	0.1224	4.921	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2035	3	3	0.1699	6.827	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2035	3	4	0.2761	10.442	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2035	3	5	0.2965	11.211	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2035	3	6	0.1484	5.606	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2035	3	7	0.1934	7.305	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2035	3	8	0.1729	6.309	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2035	3	9	0.1986	7.247	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2035	3	10	0.1964	7.169	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2035	3	11	0.2234	8.154	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2035	3	12	0.2363	8.623	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2035	3	14	0.0214	0.642	7.2800	5.1979	30.0117	32.40	0.000028
1	1	18	2035	3	15	0.0343	1.656	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2035	3	16	0.1924	8.669	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2035	3	17	0.2209	10.437	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2035	3	18	0.2572	14.578	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2035	3	19	0.2778	15.747	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2035	3	20	0.3436	22.250	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2035	3	21	0.4260	27.590	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2035	3	22	0.4879	63.532	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2035	3	23	0.5360	106.024	6.6500	4.7481	197.8148	6.30	0.036527
1	1	18	2035	3	24	1.7096	14.672	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2035	3	25	0.2692	7.330	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2035	3	26	0.7117	69.560	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2035	3	27	0.5281	14.381	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2035	3	28	0.0397	1.744	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578

1	1	19	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	19	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	19	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	19	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	19	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	19	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	19	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	19	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	19	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	19	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	19	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2035	1	1	0.1493	4.482	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2035	1	2	0.1159	4.660	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2035	1	3	0.1632	6.559	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2035	1	4	0.2559	9.675	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2035	1	5	0.2559	9.676	8.0600	5.7548	37.8166	14.20	0.047578
1	1	19	2035	1	6	0.2013	7.604	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2035	1	7	0.1868	7.054	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2035	1	8	0.1717	6.265	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2035	1	9	0.1931	7.045	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2035	1	10	0.1920	7.006	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2035	1	11	0.2066	7.539	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2035	1	12	0.2223	8.113	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2035	1	14	0.0295	0.884	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2035	1	15	0.0575	2.774	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2035	1	16	0.1350	6.082	6.6500	4.7481	45.0549	12.96	0.008198
1	1	19	2035	1	17	0.1541	7.284	6.6500	4.7481	47.2522	11.66	0.002544
1	1	19	2035	1	18	0.1800	10.202	6.6500	4.7481	56.6821	10.20	0.002699
1	1	19	2035	1	19	0.1944	11.016	6.6500	4.7481	56.6821	9.88	0.001293
1	1	19	2035	1	20	0.2403	15.563	6.6500	4.7481	64.7605	8.71	0.006032
1	1	19	2035	1	21	0.2978	19.283	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2035	1	22	0.3408	44.385	6.6500	4.7481	130.2221	6.59	0.010278
1	1	19	2035	1	23	0.3743	74.051	6.6500	4.7481	197.8148	6.30	0.036527
1	1	19	2035	1	24	2.3556	20.216	1.3500	0.9639	8.5822	50.00	0.002374

1	1	19	2035	1	25	0.2721	7.409	6.8800	4.9123	27.2301	6.45	0.000303
1	1	19	2035	1	26	0.3083	30.132	6.6500	4.7481	97.7390	4.36	0.003655
1	1	19	2035	1	27	0.3696	10.063	6.6500	4.7481	27.2301	6.18	0.007008
1	1	19	2035	1	28	0.0913	4.013	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2035	2	1	9.7107	291.435	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2035	2	2	7.6809	308.739	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2035	2	3	8.2196	330.391	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2035	2	4	9.6252	363.991	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2035	2	5	9.8609	372.907	8.0600	5.7548	37.8166	14.20	0.047578
1	1	19	2035	2	6	7.7527	292.825	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2035	2	7	10.0138	378.227	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2035	2	8	9.7318	355.142	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2035	2	9	11.3667	414.808	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2035	2	10	11.2502	410.557	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2035	2	11	13.3718	487.979	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2035	2	12	14.2407	519.689	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2035	2	14	0.6489	19.476	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2035	2	15	0.2926	14.130	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2035	2	16	0.1185	5.340	6.6500	4.7481	45.0549	12.96	0.008198
1	1	19	2035	2	17	0.1357	6.412	6.6500	4.7481	47.2522	11.66	0.002544
1	1	19	2035	2	18	0.1583	8.974	6.6500	4.7481	56.6821	10.20	0.002699
1	1	19	2035	2	19	0.1710	9.692	6.6500	4.7481	56.6821	9.88	0.001293
1	1	19	2035	2	20	0.1755	11.366	6.6500	4.7481	64.7605	8.71	0.006032
1	1	19	2035	2	21	0.2180	14.120	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2035	2	22	0.3004	39.114	6.6500	4.7481	130.2221	6.59	0.010278
1	1	19	2035	2	23	0.3293	65.144	6.6500	4.7481	197.8148	6.30	0.036527
1	1	19	2035	2	24	14.3506	123.160	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2035	2	25	16.2544	442.610	6.8800	4.9123	27.2301	6.45	0.000303
1	1	19	2035	2	26	0.4008	39.173	6.6500	4.7481	97.7390	4.36	0.003655
1	1	19	2035	2	27	0.2705	7.366	6.6500	4.7481	27.2301	6.18	0.007008
1	1	19	2035	2	28	0.3796	16.695	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2035	3	1	0.1256	3.769	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2035	3	2	0.1209	4.860	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2035	3	3	0.1678	6.744	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2035	3	4	0.2729	10.321	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2035	3	5	0.2932	11.089	8.0600	5.7548	37.8166	14.20	0.047578
1	1	19	2035	3	6	0.1498	5.659	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2035	3	7	0.1952	7.374	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2035	3	8	0.1745	6.368	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2035	3	9	0.2005	7.315	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2035	3	10	0.1983	7.236	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2035	3	11	0.2255	8.231	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2035	3	12	0.2385	8.704	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2035	3	14	0.0210	0.632	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2035	3	15	0.0337	1.628	8.0600	5.7548	48.2848	22.10	0.004518

1	1	19	2035	3	16	0.1891	8.521	6.6500	4.7481	45.0549	12.96	0.008198
1	1	19	2035	3	17	0.2171	10.259	6.6500	4.7481	47.2522	11.66	0.002544
1	1	19	2035	3	18	0.2528	14.330	6.6500	4.7481	56.6821	10.20	0.002699
1	1	19	2035	3	19	0.2731	15.479	6.6500	4.7481	56.6821	9.88	0.001293
1	1	19	2035	3	20	0.3377	21.872	6.6500	4.7481	64.7605	8.71	0.006032
1	1	19	2035	3	21	0.4188	27.121	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2035	3	22	0.4796	62.452	6.6500	4.7481	130.2221	6.59	0.010278
1	1	19	2035	3	23	0.5269	104.221	6.6500	4.7481	197.8148	6.30	0.036527
1	1	19	2035	3	24	1.7317	14.862	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2035	3	25	0.2717	7.399	6.8800	4.9123	27.2301	6.45	0.000303
1	1	19	2035	3	26	0.6996	68.377	6.6500	4.7481	97.7390	4.36	0.003655
1	1	19	2035	3	27	0.5191	14.136	6.6500	4.7481	27.2301	6.18	0.007008
1	1	19	2035	3	28	0.0390	1.715	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	20	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	20	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	20	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	20	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	20	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	20	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	20	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	20	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	20	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	20	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	20	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	20	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	20	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	20	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	20	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	20	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	20	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	20	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	20	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	20	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	20	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	20	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	20	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2035	1	1	0.1462	4.386	7.2800	5.3799	30.0117	24.10	0.281246
1	1	20	2035	1	2	0.1136	4.566	8.0600	5.7548	40.1957	18.50	0.101405
1	1	20	2035	1	3	0.1602	6.440	8.0600	5.7548	40.1957	18.50	0.337320
1	1	20	2035	1	4	0.2511	9.494	8.0600	5.7548	37.8166	14.20	0.103547
1	1	20	2035	1	5	0.2510	9.494	8.0600	5.7548	37.8166	14.20	0.047578
1	1	20	2035	1	6	0.1917	7.239	6.8800	4.9123	37.7707	10.13	0.027524

1	1	20	2035	1	7	0.1779	6.721	6.8800	4.9123	37.7707	9.39	0.000969
1	1	20	2035	1	8	0.1636	5.971	6.8800	4.9123	36.4932	9.35	0.000281
1	1	20	2035	1	9	0.1838	6.707	6.8800	4.9123	36.4931	8.01	0.000959
1	1	20	2035	1	10	0.1828	6.670	6.8800	4.9123	36.4932	8.14	0.001996
1	1	20	2035	1	11	0.1965	7.172	6.8800	4.9123	36.4932	7.45	0.000819
1	1	20	2035	1	12	0.2113	7.713	6.8800	4.9123	36.4932	7.07	0.000002
1	1	20	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2035	1	14	0.0287	0.861	7.2800	5.1979	30.0117	32.40	0.000028
1	1	20	2035	1	15	0.0559	2.697	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2035	1	16	0.1303	5.873	6.6500	4.7481	45.0549	12.96	0.008198
1	1	20	2035	1	17	0.1488	7.033	6.6500	4.7481	47.2522	11.66	0.002544
1	1	20	2035	1	18	0.1738	9.851	6.6500	4.7481	56.6821	10.20	0.002699
1	1	20	2035	1	19	0.1877	10.637	6.6500	4.7481	56.6821	9.88	0.001293
1	1	20	2035	1	20	0.2320	15.027	6.6500	4.7481	64.7605	8.71	0.006032
1	1	20	2035	1	21	0.2875	18.619	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2035	1	22	0.3291	42.857	6.6500	4.7481	130.2221	6.59	0.010278
1	1	20	2035	1	23	0.3615	71.503	6.6500	4.7481	197.8148	6.30	0.036527
1	1	20	2035	1	24	2.3085	19.812	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2035	1	25	0.2589	7.050	6.8800	4.9123	27.2301	6.45	0.000303
1	1	20	2035	1	26	0.2977	29.094	6.6500	4.7481	97.7390	4.36	0.003655
1	1	20	2035	1	27	0.3568	9.717	6.6500	4.7481	27.2301	6.18	0.007008
1	1	20	2035	1	28	0.0888	3.904	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2035	2	1	9.6706	290.232	7.2800	5.3799	30.0117	24.10	0.281246
1	1	20	2035	2	2	7.6426	307.198	8.0600	5.7548	40.1957	18.50	0.101405
1	1	20	2035	2	3	8.1801	328.805	8.0600	5.7548	40.1957	18.50	0.337320
1	1	20	2035	2	4	9.5735	362.039	8.0600	5.7548	37.8166	14.20	0.103547
1	1	20	2035	2	5	9.8086	370.929	8.0600	5.7548	37.8166	14.20	0.047578
1	1	20	2035	2	6	7.3870	279.011	6.8800	4.9123	37.7707	10.13	0.027524
1	1	20	2035	2	7	9.5414	360.385	6.8800	4.9123	37.7707	9.39	0.000969
1	1	20	2035	2	8	9.2727	338.389	6.8800	4.9123	36.4932	9.35	0.000281
1	1	20	2035	2	9	10.8305	395.240	6.8800	4.9123	36.4931	8.01	0.000959
1	1	20	2035	2	10	10.7195	391.189	6.8800	4.9123	36.4932	8.14	0.001996
1	1	20	2035	2	11	12.7410	464.959	6.8800	4.9123	36.4932	7.45	0.000819
1	1	20	2035	2	12	13.5689	495.173	6.8800	4.9123	36.4932	7.07	0.000002
1	1	20	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2035	2	14	0.6288	18.870	7.2800	5.1979	30.0117	32.40	0.000028
1	1	20	2035	2	15	0.2826	13.644	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2035	2	16	0.1131	5.095	6.6500	4.7481	45.0549	12.96	0.008198
1	1	20	2035	2	17	0.1295	6.119	6.6500	4.7481	47.2522	11.66	0.002544
1	1	20	2035	2	18	0.1511	8.563	6.6500	4.7481	56.6821	10.20	0.002699
1	1	20	2035	2	19	0.1632	9.248	6.6500	4.7481	56.6821	9.88	0.001293
1	1	20	2035	2	20	0.1675	10.846	6.6500	4.7481	64.7605	8.71	0.006032
1	1	20	2035	2	21	0.2081	13.474	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2035	2	22	0.2866	37.323	6.6500	4.7481	130.2221	6.59	0.010278
1	1	20	2035	2	23	0.3142	62.161	6.6500	4.7481	197.8148	6.30	0.036527
1	1	20	2035	2	24	13.9065	119.348	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2035	2	25	15.4876	421.730	6.8800	4.9123	27.2301	6.45	0.000303

1	1	20	2035	2	26	0.3824	37.379	6.6500	4.7481	97.7390	4.36	0.003655
1	1	20	2035	2	27	0.2581	7.029	6.6500	4.7481	27.2301	6.18	0.007008
1	1	20	2035	2	28	0.3669	16.136	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2035	3	1	0.1242	3.727	7.2800	5.3799	30.0117	24.10	0.281246
1	1	20	2035	3	2	0.1195	4.803	8.0600	5.7548	40.1957	18.50	0.101405
1	1	20	2035	3	3	0.1659	6.668	8.0600	5.7548	40.1957	18.50	0.337320
1	1	20	2035	3	4	0.2700	10.210	8.0600	5.7548	37.8166	14.20	0.103547
1	1	20	2035	3	5	0.2903	10.977	8.0600	5.7548	37.8166	14.20	0.047578
1	1	20	2035	3	6	0.1511	5.707	6.8800	4.9123	37.7707	10.13	0.027524
1	1	20	2035	3	7	0.1969	7.437	6.8800	4.9123	37.7707	9.39	0.000969
1	1	20	2035	3	8	0.1760	6.423	6.8800	4.9123	36.4932	9.35	0.000281
1	1	20	2035	3	9	0.2022	7.377	6.8800	4.9123	36.4931	8.01	0.000959
1	1	20	2035	3	10	0.2000	7.298	6.8800	4.9123	36.4932	8.14	0.001996
1	1	20	2035	3	11	0.2275	8.301	6.8800	4.9123	36.4932	7.45	0.000819
1	1	20	2035	3	12	0.2405	8.778	6.8800	4.9123	36.4932	7.07	0.000002
1	1	20	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2035	3	14	0.0207	0.622	7.2800	5.1979	30.0117	32.40	0.000028
1	1	20	2035	3	15	0.0332	1.603	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2035	3	16	0.1861	8.387	6.6500	4.7481	45.0549	12.96	0.008198
1	1	20	2035	3	17	0.2137	10.097	6.6500	4.7481	47.2522	11.66	0.002544
1	1	20	2035	3	18	0.2488	14.104	6.6500	4.7481	56.6821	10.20	0.002699
1	1	20	2035	3	19	0.2688	15.234	6.6500	4.7481	56.6821	9.88	0.001293
1	1	20	2035	3	20	0.3324	21.526	6.6500	4.7481	64.7605	8.71	0.006032
1	1	20	2035	3	21	0.4122	26.693	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2035	3	22	0.4720	61.465	6.6500	4.7481	130.2221	6.59	0.010278
1	1	20	2035	3	23	0.5185	102.575	6.6500	4.7481	197.8148	6.30	0.036527
1	1	20	2035	3	24	1.7520	15.036	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2035	3	25	0.2740	7.462	6.8800	4.9123	27.2301	6.45	0.000303
1	1	20	2035	3	26	0.6885	67.297	6.6500	4.7481	97.7390	4.36	0.003655
1	1	20	2035	3	27	0.5109	13.913	6.6500	4.7481	27.2301	6.18	0.007008
1	1	20	2035	3	28	0.0384	1.689	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	21	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198

1	1	21	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	21	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2035	1	1	0.1432	4.299	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2035	1	2	0.1114	4.480	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2035	1	3	0.1575	6.330	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2035	1	4	0.2467	9.328	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2035	1	5	0.2466	9.326	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2035	1	6	0.1828	6.904	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2035	1	7	0.1698	6.415	6.8800	4.9123	37.7707	9.39	0.000969
1	1	21	2035	1	8	0.1562	5.702	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2035	1	9	0.1753	6.396	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2035	1	10	0.1743	6.362	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2035	1	11	0.1873	6.835	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2035	1	12	0.2013	7.346	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2035	1	14	0.0280	0.840	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2035	1	15	0.0544	2.626	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2035	1	16	0.1261	5.681	6.6500	4.7481	45.0549	12.96	0.008198
1	1	21	2035	1	17	0.1440	6.803	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2035	1	18	0.1681	9.529	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2035	1	19	0.1815	10.290	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2035	1	20	0.2245	14.536	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2035	1	21	0.2781	18.011	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2035	1	22	0.3184	41.457	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2035	1	23	0.3497	69.166	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2035	1	24	2.2653	19.442	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2035	1	25	0.2468	6.721	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2035	1	26	0.2879	28.144	6.6500	4.7481	97.7390	4.36	0.003655
1	1	21	2035	1	27	0.3452	9.399	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2035	1	28	0.0865	3.803	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2035	2	1	9.6339	289.130	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2035	2	2	7.6074	305.786	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2035	2	3	8.1439	327.351	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2035	2	4	9.5262	360.250	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2035	2	5	9.7607	369.116	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2035	2	6	7.0517	266.349	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2035	2	7	9.1084	344.029	6.8800	4.9123	37.7707	9.39	0.000969

1	1	21	2035	2	8	8.8518	323.032	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2035	2	9	10.3390	377.303	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2035	2	10	10.2330	373.436	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2035	2	11	12.1628	443.857	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2035	2	12	12.9531	472.701	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2035	2	14	0.6103	18.315	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2035	2	15	0.2733	13.198	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2035	2	16	0.1081	4.871	6.6500	4.7481	45.0549	12.96	0.008198
1	1	21	2035	2	17	0.1238	5.850	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2035	2	18	0.1444	8.187	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2035	2	19	0.1560	8.841	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2035	2	20	0.1601	10.369	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2035	2	21	0.1989	12.881	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2035	2	22	0.2740	35.681	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2035	2	23	0.3004	59.426	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2035	2	24	13.4993	115.854	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2035	2	25	14.7847	402.591	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2035	2	26	0.3656	35.735	6.6500	4.7481	97.7390	4.36	0.003655
1	1	21	2035	2	27	0.2468	6.720	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2035	2	28	0.3553	15.624	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2035	3	1	0.1229	3.688	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2035	3	2	0.1182	4.752	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2035	3	3	0.1642	6.598	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2035	3	4	0.2673	10.109	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2035	3	5	0.2876	10.874	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2035	3	6	0.1523	5.751	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2035	3	7	0.1984	7.494	6.8800	4.9123	37.7707	9.39	0.000969
1	1	21	2035	3	8	0.1774	6.472	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2035	3	9	0.2037	7.435	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2035	3	10	0.2015	7.354	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2035	3	11	0.2292	8.365	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2035	3	12	0.2424	8.846	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2035	3	14	0.0204	0.613	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2035	3	15	0.0327	1.580	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2035	3	16	0.1834	8.263	6.6500	4.7481	45.0549	12.96	0.008198
1	1	21	2035	3	17	0.2105	9.949	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2035	3	18	0.2452	13.896	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2035	3	19	0.2648	15.010	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2035	3	20	0.3275	21.210	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2035	3	21	0.4061	26.300	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2035	3	22	0.4651	60.561	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2035	3	23	0.5109	101.066	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2035	3	24	1.7706	15.195	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2035	3	25	0.2762	7.520	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2035	3	26	0.6784	66.307	6.6500	4.7481	97.7390	4.36	0.003655

1	1	21	2035	3	27	0.5034	13.708	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2035	3	28	0.0379	1.665	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	22	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	22	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2035	1	1	0.1405	4.218	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2035	1	2	0.1095	4.400	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2035	1	3	0.1550	6.230	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2035	1	4	0.2426	9.175	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2035	1	5	0.2426	9.172	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2035	1	6	0.1746	6.596	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2035	1	7	0.1624	6.133	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2035	1	8	0.1495	5.454	6.8800	4.9123	36.4932	9.35	0.000281
1	1	22	2035	1	9	0.1674	6.110	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2035	1	10	0.1665	6.078	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2035	1	11	0.1788	6.526	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2035	1	12	0.1920	7.008	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2035	1	14	0.0274	0.821	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2035	1	15	0.0530	2.561	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2035	1	16	0.1222	5.504	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2035	1	17	0.1395	6.592	6.6500	4.7481	47.2522	11.66	0.002544

1	1	22	2035	1	18	0.1629	9.233	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2035	1	19	0.1759	9.970	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2035	1	20	0.2175	14.084	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2035	1	21	0.2695	17.451	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2035	1	22	0.3085	40.168	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2035	1	23	0.3388	67.017	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2035	1	24	2.2256	19.101	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2035	1	25	0.2357	6.418	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2035	1	26	0.2790	27.269	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2035	1	27	0.3345	9.107	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2035	1	28	0.0844	3.711	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2035	2	1	9.6001	288.115	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2035	2	2	7.5751	304.486	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2035	2	3	8.1107	326.014	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2035	2	4	9.4827	358.604	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2035	2	5	9.7166	367.448	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2035	2	6	6.7433	254.699	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2035	2	7	8.7100	328.982	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2035	2	8	8.4647	308.903	6.8800	4.9123	36.4932	9.35	0.000281
1	1	22	2035	2	9	9.8868	360.800	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2035	2	10	9.7855	357.102	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2035	2	11	11.6308	424.444	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2035	2	12	12.3866	452.025	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2035	2	14	0.5933	17.805	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2035	2	15	0.2648	12.788	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2035	2	16	0.1035	4.665	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2035	2	17	0.1186	5.602	6.6500	4.7481	47.2522	11.66	0.002544
1	1	22	2035	2	18	0.1383	7.840	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2035	2	19	0.1494	8.467	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2035	2	20	0.1533	9.930	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2035	2	21	0.1905	12.336	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2035	2	22	0.2624	34.171	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2035	2	23	0.2877	56.910	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2035	2	24	13.1248	112.640	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2035	2	25	14.1381	384.982	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2035	2	26	0.3501	34.222	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2035	2	27	0.2363	6.435	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2035	2	28	0.3446	15.153	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2035	3	1	0.1217	3.652	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2035	3	2	0.1170	4.704	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2035	3	3	0.1626	6.534	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2035	3	4	0.2649	10.016	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2035	3	5	0.2851	10.780	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2035	3	6	0.1533	5.792	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2035	3	7	0.1998	7.547	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2035	3	8	0.1786	6.518	6.8800	4.9123	36.4932	9.35	0.000281

1	1	22	2035	3	9	0.2052	7.487	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2035	3	10	0.2030	7.406	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2035	3	11	0.2309	8.424	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2035	3	12	0.2441	8.909	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2035	3	14	0.0202	0.605	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2035	3	15	0.0323	1.559	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2035	3	16	0.1809	8.150	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2035	3	17	0.2076	9.812	6.6500	4.7481	47.2522	11.66	0.002544
1	1	22	2035	3	18	0.2418	13.706	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2035	3	19	0.2612	14.804	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2035	3	20	0.3230	20.918	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2035	3	21	0.4005	25.939	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2035	3	22	0.4587	59.730	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2035	3	23	0.5039	99.678	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2035	3	24	1.7876	15.342	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2035	3	25	0.2781	7.573	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2035	3	26	0.6691	65.396	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2035	3	27	0.4965	13.520	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2035	3	28	0.0373	1.642	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	23	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008

1	1	23	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2035	1	1	0.1383	4.149	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2035	1	2	0.1078	4.335	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2035	1	3	0.1529	6.147	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2035	1	4	0.2394	9.052	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2035	1	5	0.2393	9.050	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2035	1	6	0.1672	6.316	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2035	1	7	0.1556	5.878	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2035	1	8	0.1433	5.230	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2035	1	9	0.1603	5.852	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2035	1	10	0.1595	5.821	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2035	1	11	0.1711	6.245	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2035	1	12	0.1837	6.702	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2035	1	14	0.0267	0.801	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2035	1	15	0.0516	2.494	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2035	1	16	0.1181	5.323	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2035	1	17	0.1349	6.375	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2035	1	18	0.1575	8.929	6.6500	4.7481	56.6821	10.20	0.002699
1	1	23	2035	1	19	0.1701	9.642	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2035	1	20	0.2103	13.620	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2035	1	21	0.2606	16.876	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2035	1	22	0.2983	38.845	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2035	1	23	0.3276	64.810	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2035	1	24	2.1843	18.746	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2035	1	25	0.2256	6.143	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2035	1	26	0.2698	26.371	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2035	1	27	0.3234	8.807	6.6500	4.7481	27.2301	6.18	0.007008
1	1	23	2035	1	28	0.0822	3.616	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2035	2	1	9.5870	287.721	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2035	2	2	7.5629	303.998	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2035	2	3	8.0989	325.540	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2035	2	4	9.4654	357.951	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2035	2	5	9.6992	366.790	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2035	2	6	6.4772	244.650	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2035	2	7	8.3663	316.002	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2035	2	8	8.1307	296.715	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2035	2	9	9.4967	346.565	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2035	2	10	9.3994	343.013	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2035	2	11	11.1719	407.698	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2035	2	12	11.8979	434.191	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2035	2	14	0.5779	17.344	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2035	2	15	0.2572	12.418	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2035	2	16	0.0994	4.479	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2035	2	17	0.1138	5.379	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2035	2	18	0.1328	7.527	6.6500	4.7481	56.6821	10.20	0.002699

1	1	23	2035	2	19	0.1434	8.129	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2035	2	20	0.1472	9.534	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2035	2	21	0.1829	11.844	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2035	2	22	0.2519	32.808	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2035	2	23	0.2762	54.641	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2035	2	24	12.7497	109.420	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2035	2	25	13.5803	369.793	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2035	2	26	0.3362	32.857	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2035	2	27	0.2269	6.178	6.6500	4.7481	27.2301	6.18	0.007008
1	1	23	2035	2	28	0.3349	14.728	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2035	3	1	0.1206	3.619	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2035	3	2	0.1159	4.660	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2035	3	3	0.1611	6.475	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2035	3	4	0.2626	9.930	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2035	3	5	0.2828	10.693	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2035	3	6	0.1548	5.848	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2035	3	7	0.2018	7.621	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2035	3	8	0.1803	6.581	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2035	3	9	0.2072	7.560	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2035	3	10	0.2049	7.478	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2035	3	11	0.2331	8.506	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2035	3	12	0.2465	8.996	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2035	3	14	0.0200	0.599	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2035	3	15	0.0320	1.543	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2035	3	16	0.1791	8.067	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2035	3	17	0.2056	9.713	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2035	3	18	0.2394	13.567	6.6500	4.7481	56.6821	10.20	0.002699
1	1	23	2035	3	19	0.2585	14.655	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2035	3	20	0.3197	20.707	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2035	3	21	0.3965	25.677	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2035	3	22	0.4540	59.126	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2035	3	23	0.4988	98.671	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2035	3	24	1.8095	15.529	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2035	3	25	0.2808	7.647	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2035	3	26	0.6623	64.736	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2035	3	27	0.4915	13.384	6.6500	4.7481	27.2301	6.18	0.007008
1	1	23	2035	3	28	0.0370	1.626	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959

1	1	24	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	24	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	24	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	24	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	24	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	24	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	24	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	24	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2035	1	1	0.1361	4.086	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2035	1	2	0.1063	4.274	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2035	1	3	0.1510	6.070	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2035	1	4	0.2363	8.938	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2035	1	5	0.2363	8.937	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2035	1	6	0.1604	6.057	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2035	1	7	0.1494	5.642	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2035	1	8	0.1376	5.022	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2035	1	9	0.1538	5.612	6.8800	4.9123	36.4931	8.01	0.000959
1	1	24	2035	1	10	0.1530	5.582	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2035	1	11	0.1640	5.985	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2035	1	12	0.1759	6.419	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2035	1	14	0.0261	0.783	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2035	1	15	0.0504	2.431	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2035	1	16	0.1144	5.155	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2035	1	17	0.1307	6.174	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2035	1	18	0.1526	8.648	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2035	1	19	0.1647	9.337	6.6500	4.7481	56.6821	9.88	0.001293
1	1	24	2035	1	20	0.2037	13.191	6.6500	4.7481	64.7605	8.71	0.006032
1	1	24	2035	1	21	0.2524	16.344	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2035	1	22	0.2889	37.620	6.6500	4.7481	130.2221	6.59	0.010278
1	1	24	2035	1	23	0.3173	62.766	6.6500	4.7481	197.8148	6.30	0.036527
1	1	24	2035	1	24	2.1461	18.418	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2035	1	25	0.2163	5.889	6.8800	4.9123	27.2301	6.45	0.000303
1	1	24	2035	1	26	0.2613	25.539	6.6500	4.7481	97.7390	4.36	0.003655
1	1	24	2035	1	27	0.3132	8.530	6.6500	4.7481	27.2301	6.18	0.007008
1	1	24	2035	1	28	0.0802	3.528	8.0600	5.7548	43.9743	17.00	0.002242

1	1	24	2035	2	1	9.5748	287.356	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2035	2	2	7.5517	303.545	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2035	2	3	8.0880	325.101	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2035	2	4	9.4495	357.347	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2035	2	5	9.6830	366.180	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2035	2	6	6.2309	235.345	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2035	2	7	8.0481	303.984	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2035	2	8	7.8215	285.430	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2035	2	9	9.1355	333.384	6.8800	4.9123	36.4931	8.01	0.000959
1	1	24	2035	2	10	9.0419	329.967	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2035	2	11	10.7470	392.192	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2035	2	12	11.4454	417.677	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2035	2	14	0.5637	16.917	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2035	2	15	0.2501	12.075	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2035	2	16	0.0956	4.307	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2035	2	17	0.1094	5.172	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2035	2	18	0.1277	7.238	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2035	2	19	0.1379	7.817	6.6500	4.7481	56.6821	9.88	0.001293
1	1	24	2035	2	20	0.1416	9.167	6.6500	4.7481	64.7605	8.71	0.006032
1	1	24	2035	2	21	0.1758	11.388	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2035	2	22	0.2422	31.546	6.6500	4.7481	130.2221	6.59	0.010278
1	1	24	2035	2	23	0.2656	52.539	6.6500	4.7481	197.8148	6.30	0.036527
1	1	24	2035	2	24	12.4023	106.439	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2035	2	25	13.0638	355.728	6.8800	4.9123	27.2301	6.45	0.000303
1	1	24	2035	2	26	0.3232	31.593	6.6500	4.7481	97.7390	4.36	0.003655
1	1	24	2035	2	27	0.2182	5.941	6.6500	4.7481	27.2301	6.18	0.007008
1	1	24	2035	2	28	0.3260	14.334	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2035	3	1	0.1196	3.588	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2035	3	2	0.1149	4.620	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2035	3	3	0.1597	6.420	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2035	3	4	0.2605	9.850	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2035	3	5	0.2806	10.612	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2035	3	6	0.1562	5.900	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2035	3	7	0.2036	7.689	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2035	3	8	0.1820	6.640	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2035	3	9	0.2090	7.627	6.8800	4.9123	36.4931	8.01	0.000959
1	1	24	2035	3	10	0.2068	7.545	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2035	3	11	0.2352	8.582	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2035	3	12	0.2487	9.076	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2035	3	14	0.0198	0.594	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2035	3	15	0.0317	1.529	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2035	3	16	0.1774	7.991	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2035	3	17	0.2036	9.621	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2035	3	18	0.2371	13.439	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2035	3	19	0.2561	14.516	6.6500	4.7481	56.6821	9.88	0.001293

1	1	24	2035	3	20	0.3167	20.511	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	24	2035	3	21	0.3927	25.434	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	24	2035	3	22	0.4498	58.568	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	24	2035	3	23	0.4941	97.739	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	24	2035	3	24	1.8297	15.703	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	24	2035	3	25	0.2833	7.715	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	24	2035	3	26	0.6561	64.124	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	24	2035	3	27	0.4869	13.257	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	24	2035	3	28	0.0366	1.611	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	25	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	25	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	25	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	25	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	25	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	25	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	25	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	25	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	25	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	25	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	25	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	25	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	25	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	25	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	25	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	25	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	25	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	25	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	25	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	25	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	25	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	25	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	25	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	25	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	25	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	25	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	25	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	25	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	25	2035	1	1	0.1342	4.027	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	25	2035	1	2	0.1049	4.218	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	25	2035	1	3	0.1492	5.998	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	25	2035	1	4	0.2335	8.832	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	25	2035	1	5	0.2335	8.832	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	25	2035	1	6	0.1540	5.817	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	25	2035	1	7	0.1435	5.422	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	25	2035	1	8	0.1323	4.828	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	25	2035	1	9	0.1477	5.389	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	25	2035	1	10	0.1469	5.361	6.8800	4.9123	36.4932	8.14
0.001996											

1	1	25	2035	1	11	0.1574	5.744	6.8800	4.9123	36.4932	7.45	0.000819
1	1	25	2035	1	12	0.1687	6.156	6.8800	4.9123	36.4932	7.07	0.000002
1	1	25	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2035	1	14	0.0255	0.766	7.2800	5.1979	30.0117	32.40	0.000028
1	1	25	2035	1	15	0.0492	2.374	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2035	1	16	0.1110	4.999	6.6500	4.7481	45.0549	12.96	0.008198
1	1	25	2035	1	17	0.1267	5.987	6.6500	4.7481	47.2522	11.66	0.002544
1	1	25	2035	1	18	0.1479	8.386	6.6500	4.7481	56.6821	10.20	0.002699
1	1	25	2035	1	19	0.1598	9.055	6.6500	4.7481	56.6821	9.88	0.001293
1	1	25	2035	1	20	0.1975	12.792	6.6500	4.7481	64.7605	8.71	0.006032
1	1	25	2035	1	21	0.2447	15.850	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2035	1	22	0.2802	36.483	6.6500	4.7481	130.2221	6.59	0.010278
1	1	25	2035	1	23	0.3077	60.868	6.6500	4.7481	197.8148	6.30	0.036527
1	1	25	2035	1	24	2.1106	18.113	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2035	1	25	0.2076	5.652	6.8800	4.9123	27.2301	6.45	0.000303
1	1	25	2035	1	26	0.2534	24.767	6.6500	4.7481	97.7390	4.36	0.003655
1	1	25	2035	1	27	0.3038	8.272	6.6500	4.7481	27.2301	6.18	0.007008
1	1	25	2035	1	28	0.0784	3.447	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2035	2	1	9.5635	287.017	7.2800	5.3799	30.0117	24.10	0.281246
1	1	25	2035	2	2	7.5412	303.125	8.0600	5.7548	40.1957	18.50	0.101405
1	1	25	2035	2	3	8.0778	324.694	8.0600	5.7548	40.1957	18.50	0.337320
1	1	25	2035	2	4	9.4346	356.787	8.0600	5.7548	37.8166	14.20	0.103547
1	1	25	2035	2	5	9.6681	365.615	8.0600	5.7548	37.8166	14.20	0.047578
1	1	25	2035	2	6	6.0021	226.705	6.8800	4.9123	37.7707	10.13	0.027524
1	1	25	2035	2	7	7.7527	292.824	6.8800	4.9123	37.7707	9.39	0.000969
1	1	25	2035	2	8	7.5343	274.951	6.8800	4.9123	36.4932	9.35	0.000281
1	1	25	2035	2	9	8.8001	321.145	6.8800	4.9123	36.4931	8.01	0.000959
1	1	25	2035	2	10	8.7099	317.853	6.8800	4.9123	36.4932	8.14	0.001996
1	1	25	2035	2	11	10.3524	377.793	6.8800	4.9123	36.4932	7.45	0.000819
1	1	25	2035	2	12	11.0252	402.343	6.8800	4.9123	36.4932	7.07	0.000002
1	1	25	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2035	2	14	0.5505	16.521	7.2800	5.1979	30.0117	32.40	0.000028
1	1	25	2035	2	15	0.2435	11.757	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2035	2	16	0.0920	4.147	6.6500	4.7481	45.0549	12.96	0.008198
1	1	25	2035	2	17	0.1054	4.980	6.6500	4.7481	47.2522	11.66	0.002544
1	1	25	2035	2	18	0.1229	6.969	6.6500	4.7481	56.6821	10.20	0.002699
1	1	25	2035	2	19	0.1328	7.526	6.6500	4.7481	56.6821	9.88	0.001293
1	1	25	2035	2	20	0.1363	8.827	6.6500	4.7481	64.7605	8.71	0.006032
1	1	25	2035	2	21	0.1693	10.965	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2035	2	22	0.2332	30.374	6.6500	4.7481	130.2221	6.59	0.010278
1	1	25	2035	2	23	0.2557	50.587	6.6500	4.7481	197.8148	6.30	0.036527
1	1	25	2035	2	24	12.0798	103.671	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2035	2	25	12.5842	342.669	6.8800	4.9123	27.2301	6.45	0.000303
1	1	25	2035	2	26	0.3112	30.420	6.6500	4.7481	97.7390	4.36	0.003655
1	1	25	2035	2	27	0.2101	5.720	6.6500	4.7481	27.2301	6.18	0.007008
1	1	25	2035	2	28	0.3177	13.969	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2035	3	1	0.1186	3.560	7.2800	5.3799	30.0117	24.10	0.281246

1	1	25	2035	3	2	0.1140	4.582	8.0600	5.7548	40.1957	18.50	0.101405
1	1	25	2035	3	3	0.1585	6.369	8.0600	5.7548	40.1957	18.50	0.337320
1	1	25	2035	3	4	0.2585	9.777	8.0600	5.7548	37.8166	14.20	0.103547
1	1	25	2035	3	5	0.2786	10.538	8.0600	5.7548	37.8166	14.20	0.047578
1	1	25	2035	3	6	0.1575	5.949	6.8800	4.9123	37.7707	10.13	0.027524
1	1	25	2035	3	7	0.2052	7.752	6.8800	4.9123	37.7707	9.39	0.000969
1	1	25	2035	3	8	0.1835	6.695	6.8800	4.9123	36.4932	9.35	0.000281
1	1	25	2035	3	9	0.2107	7.690	6.8800	4.9123	36.4931	8.01	0.000959
1	1	25	2035	3	10	0.2085	7.607	6.8800	4.9123	36.4932	8.14	0.001996
1	1	25	2035	3	11	0.2371	8.653	6.8800	4.9123	36.4932	7.45	0.000819
1	1	25	2035	3	12	0.2507	9.150	6.8800	4.9123	36.4932	7.07	0.000002
1	1	25	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2035	3	14	0.0196	0.589	7.2800	5.1979	30.0117	32.40	0.000028
1	1	25	2035	3	15	0.0314	1.516	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2035	3	16	0.1758	7.921	6.6500	4.7481	45.0549	12.96	0.008198
1	1	25	2035	3	17	0.2018	9.536	6.6500	4.7481	47.2522	11.66	0.002544
1	1	25	2035	3	18	0.2350	13.320	6.6500	4.7481	56.6821	10.20	0.002699
1	1	25	2035	3	19	0.2538	14.388	6.6500	4.7481	56.6821	9.88	0.001293
1	1	25	2035	3	20	0.3139	20.330	6.6500	4.7481	64.7605	8.71	0.006032
1	1	25	2035	3	21	0.3893	25.209	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2035	3	22	0.4458	58.049	6.6500	4.7481	130.2221	6.59	0.010278
1	1	25	2035	3	23	0.4897	96.874	6.6500	4.7481	197.8148	6.30	0.036527
1	1	25	2035	3	24	1.8485	15.864	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2035	3	25	0.2857	7.779	6.8800	4.9123	27.2301	6.45	0.000303
1	1	25	2035	3	26	0.6503	63.557	6.6500	4.7481	97.7390	4.36	0.003655
1	1	25	2035	3	27	0.4825	13.140	6.6500	4.7481	27.2301	6.18	0.007008
1	1	25	2035	3	28	0.0363	1.597	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	26	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032

1	1	26	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2035	1	1	0.1324	3.972	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2035	1	2	0.1036	4.165	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2035	1	3	0.1476	5.932	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2035	1	4	0.2309	8.734	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2035	1	5	0.2310	8.734	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2035	1	6	0.1481	5.593	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2035	1	7	0.1381	5.218	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2035	1	8	0.1274	4.649	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2035	1	9	0.1420	5.182	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2035	1	10	0.1413	5.155	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2035	1	11	0.1512	5.519	6.8800	4.9123	36.4932	7.45	0.000819
1	1	26	2035	1	12	0.1620	5.911	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2035	1	14	0.0250	0.750	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2035	1	15	0.0480	2.320	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2035	1	16	0.1077	4.854	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2035	1	17	0.1230	5.813	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2035	1	18	0.1437	8.143	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2035	1	19	0.1551	8.792	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2035	1	20	0.1918	12.421	6.6500	4.7481	64.7605	8.71	0.006032
1	1	26	2035	1	21	0.2376	15.390	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2035	1	22	0.2720	35.424	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2035	1	23	0.2988	59.101	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2035	1	24	2.0775	17.829	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2035	1	25	0.1995	5.432	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2035	1	26	0.2460	24.048	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2035	1	27	0.2949	8.031	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2035	1	28	0.0767	3.371	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2035	2	1	9.5530	286.701	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2035	2	2	7.5315	302.734	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2035	2	3	8.0684	324.315	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2035	2	4	9.4208	356.264	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2035	2	5	9.6542	365.088	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2035	2	6	5.7892	218.661	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2035	2	7	7.4776	282.433	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2035	2	8	7.2670	265.195	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2035	2	9	8.4879	309.749	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2035	2	10	8.4009	306.575	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2035	2	11	9.9851	364.388	6.8800	4.9123	36.4932	7.45	0.000819

1	1	26	2035	2	12	10.6340	388.067	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2035	2	14	0.5382	16.152	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2035	2	15	0.2374	11.460	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2035	2	16	0.0887	3.998	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2035	2	17	0.1016	4.801	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2035	2	18	0.1185	6.719	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2035	2	19	0.1280	7.256	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2035	2	20	0.1314	8.510	6.6500	4.7481	64.7605	8.71	0.006032
1	1	26	2035	2	21	0.1632	10.571	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2035	2	22	0.2249	29.283	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2035	2	23	0.2465	48.770	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2035	2	24	11.7795	101.094	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2035	2	25	12.1376	330.510	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2035	2	26	0.3001	29.327	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2035	2	27	0.2025	5.515	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2035	2	28	0.3099	13.628	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2035	3	1	0.1177	3.533	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2035	3	2	0.1131	4.547	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2035	3	3	0.1573	6.322	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2035	3	4	0.2567	9.708	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2035	3	5	0.2768	10.468	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2035	3	6	0.1587	5.994	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2035	3	7	0.2068	7.810	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2035	3	8	0.1848	6.745	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2035	3	9	0.2123	7.748	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2035	3	10	0.2100	7.665	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2035	3	11	0.2389	8.718	6.8800	4.9123	36.4932	7.45	0.000819
1	1	26	2035	3	12	0.2526	9.220	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2035	3	14	0.0195	0.584	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2035	3	15	0.0311	1.504	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2035	3	16	0.1743	7.855	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2035	3	17	0.2001	9.457	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2035	3	18	0.2330	13.209	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2035	3	19	0.2517	14.268	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2035	3	20	0.3113	20.161	6.6500	4.7481	64.7605	8.71	0.006032
1	1	26	2035	3	21	0.3860	24.999	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2035	3	22	0.4421	57.566	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2035	3	23	0.4856	96.068	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2035	3	24	1.8660	16.014	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2035	3	25	0.2878	7.838	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2035	3	26	0.6449	63.028	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2035	3	27	0.4785	13.030	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2035	3	28	0.0360	1.585	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405

1	1	27	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	27	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2035	1	1	0.1306	3.921	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2035	1	2	0.1024	4.116	8.0600	5.7548	40.1957	18.50	0.101405
1	1	27	2035	1	3	0.1460	5.870	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2035	1	4	0.2285	8.642	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2035	1	5	0.2285	8.643	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2035	1	6	0.1426	5.384	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2035	1	7	0.1331	5.027	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2035	1	8	0.1228	4.481	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2035	1	9	0.1367	4.988	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2035	1	10	0.1360	4.963	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2035	1	11	0.1455	5.309	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2035	1	12	0.1557	5.683	6.8800	4.9123	36.4932	7.07	0.000002
1	1	27	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2035	1	14	0.0245	0.735	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2035	1	15	0.0470	2.270	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2035	1	16	0.1047	4.719	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2035	1	17	0.1196	5.651	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2035	1	18	0.1396	7.915	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2035	1	19	0.1508	8.547	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2035	1	20	0.1864	12.074	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2035	1	21	0.2310	14.960	6.6500	4.7481	64.7605	7.53	0.008655

1	1	27	2035	1	22	0.2644	34.435	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2035	1	23	0.2904	57.452	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2035	1	24	2.0466	17.565	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2035	1	25	0.1919	5.227	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2035	1	26	0.2392	23.377	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2035	1	27	0.2867	7.807	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2035	1	28	0.0750	3.300	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2035	2	1	9.5432	286.407	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2035	2	2	7.5224	302.369	8.0600	5.7548	40.1957	18.50	0.101405
1	1	27	2035	2	3	8.0596	323.961	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2035	2	4	9.4080	355.777	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2035	2	5	9.6412	364.596	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2035	2	6	5.5904	211.153	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2035	2	7	7.2208	272.736	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2035	2	8	7.0175	256.089	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2035	2	9	8.1964	299.114	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2035	2	10	8.1124	296.048	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2035	2	11	9.6423	351.876	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2035	2	12	10.2688	374.742	6.8800	4.9123	36.4932	7.07	0.000002
1	1	27	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2035	2	14	0.5267	15.808	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2035	2	15	0.2316	11.184	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2035	2	16	0.0856	3.859	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2035	2	17	0.0981	4.634	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2035	2	18	0.1144	6.485	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2035	2	19	0.1236	7.004	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2035	2	20	0.1268	8.214	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2035	2	21	0.1576	10.204	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2035	2	22	0.2171	28.265	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2035	2	23	0.2380	47.074	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2035	2	24	11.4992	98.688	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2035	2	25	11.7209	319.161	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2035	2	26	0.2896	28.307	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2035	2	27	0.1955	5.323	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2035	2	28	0.3027	13.311	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2035	3	1	0.1169	3.508	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2035	3	2	0.1123	4.514	8.0600	5.7548	40.1957	18.50	0.101405
1	1	27	2035	3	3	0.1562	6.278	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2035	3	4	0.2550	9.644	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2035	3	5	0.2751	10.403	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2035	3	6	0.1598	6.036	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2035	3	7	0.2082	7.865	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2035	3	8	0.1861	6.793	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2035	3	9	0.2138	7.803	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2035	3	10	0.2115	7.719	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2035	3	11	0.2406	8.780	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2035	3	12	0.2544	9.284	6.8800	4.9123	36.4932	7.07	0.000002

1	1	27	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2035	3	14	0.0193	0.579	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2035	3	15	0.0309	1.492	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2035	3	16	0.1730	7.793	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2035	3	17	0.1986	9.382	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2035	3	18	0.2312	13.106	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2035	3	19	0.2497	14.156	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2035	3	20	0.3089	20.003	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2035	3	21	0.3830	24.803	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2035	3	22	0.4386	57.116	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2035	3	23	0.4818	95.316	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2035	3	24	1.8823	16.154	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2035	3	25	0.2898	7.893	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2035	3	26	0.6398	62.534	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2035	3	27	0.4748	12.928	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2035	3	28	0.0358	1.573	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	28	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	28	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2035	1	1	0.1291	3.875	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2035	1	2	0.1013	4.073	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2035	1	3	0.1449	5.824	8.0600	5.7548	40.1957	18.50	0.337320

1	1	28	2035	1	4	0.2265	8.564	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2035	1	5	0.2264	8.561	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2035	1	6	0.1377	5.200	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2035	1	7	0.1286	4.858	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2035	1	8	0.1187	4.332	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2035	1	9	0.1320	4.818	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2035	1	10	0.1314	4.794	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2035	1	11	0.1404	5.125	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2035	1	12	0.1502	5.482	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2035	1	14	0.0240	0.720	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2035	1	15	0.0460	2.221	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2035	1	16	0.1018	4.587	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2035	1	17	0.1163	5.493	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2035	1	18	0.1357	7.694	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2035	1	19	0.1466	8.308	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2035	1	20	0.1812	11.737	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2035	1	21	0.2246	14.542	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2035	1	22	0.2571	33.474	6.6500	4.7481	130.2221	6.59	0.010278
1	1	28	2035	1	23	0.2823	55.847	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2035	1	24	2.0153	17.296	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2035	1	25	0.1853	5.045	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2035	1	26	0.2325	22.724	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2035	1	27	0.2787	7.589	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2035	1	28	0.0735	3.231	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2035	2	1	9.5518	286.667	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2035	2	2	7.5311	302.719	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2035	2	3	8.0701	324.383	8.0600	5.7548	40.1957	18.50	0.337320
1	1	28	2035	2	4	9.4212	356.277	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2035	2	5	9.6547	365.107	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2035	2	6	5.4337	205.236	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2035	2	7	7.0185	265.093	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2035	2	8	6.8208	248.913	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2035	2	9	7.9668	290.732	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2035	2	10	7.8851	287.752	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2035	2	11	9.3721	342.016	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2035	2	12	9.9811	364.241	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2035	2	14	0.5171	15.518	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2035	2	15	0.2268	10.951	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2035	2	16	0.0830	3.742	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2035	2	17	0.0951	4.493	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2035	2	18	0.1109	6.288	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2035	2	19	0.1198	6.791	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2035	2	20	0.1230	7.965	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2035	2	21	0.1528	9.894	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2035	2	22	0.2105	27.408	6.6500	4.7481	130.2221	6.59	0.010278

1	1	28	2035	2	23	0.2308	45.647	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2035	2	24	11.2271	96.353	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2035	2	25	11.3924	310.218	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2035	2	26	0.2808	27.449	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2035	2	27	0.1895	5.161	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2035	2	28	0.2966	13.043	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2035	3	1	0.1164	3.493	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2035	3	2	0.1118	4.493	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2035	3	3	0.1555	6.251	8.0600	5.7548	40.1957	18.50	0.337320
1	1	28	2035	3	4	0.2541	9.610	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2035	3	5	0.2743	10.372	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2035	3	6	0.1613	6.091	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2035	3	7	0.2101	7.937	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2035	3	8	0.1878	6.855	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2035	3	9	0.2158	7.874	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2035	3	10	0.2134	7.789	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2035	3	11	0.2428	8.860	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2035	3	12	0.2567	9.369	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2035	3	14	0.0193	0.578	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2035	3	15	0.0308	1.489	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2035	3	16	0.1726	7.777	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2035	3	17	0.1981	9.363	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2035	3	18	0.2307	13.078	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2035	3	19	0.2492	14.127	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2035	3	20	0.3082	19.961	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2035	3	21	0.3822	24.752	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2035	3	22	0.4377	56.997	6.6500	4.7481	130.2221	6.59	0.010278
1	1	28	2035	3	23	0.4808	95.118	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2035	3	24	1.8987	16.295	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2035	3	25	0.2925	7.965	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2035	3	26	0.6385	62.404	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2035	3	27	0.4738	12.902	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2035	3	28	0.0357	1.569	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	29	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	29	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	29	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	29	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	29	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	29	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	29	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	29	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	29	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	29	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	29	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	29	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000

1	1	29	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	29	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	29	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	29	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	29	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	29	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	29	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	29	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	29	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	29	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	29	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	29	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2035	1	1	0.1277	3.832	7.2800	5.3799	30.0117	24.10	0.281246
1	1	29	2035	1	2	0.1003	4.032	8.0600	5.7548	40.1957	18.50	0.101405
1	1	29	2035	1	3	0.1438	5.781	8.0600	5.7548	40.1957	18.50	0.337320
1	1	29	2035	1	4	0.2245	8.491	8.0600	5.7548	37.8166	14.20	0.103547
1	1	29	2035	1	5	0.2244	8.485	8.0600	5.7548	37.8166	14.20	0.047578
1	1	29	2035	1	6	0.1331	5.027	6.8800	4.9123	37.7707	10.13	0.027524
1	1	29	2035	1	7	0.1244	4.700	6.8800	4.9123	37.7707	9.39	0.000969
1	1	29	2035	1	8	0.1149	4.193	6.8800	4.9123	36.4932	9.35	0.000281
1	1	29	2035	1	9	0.1276	4.658	6.8800	4.9123	36.4931	8.01	0.000959
1	1	29	2035	1	10	0.1270	4.635	6.8800	4.9123	36.4932	8.14	0.001996
1	1	29	2035	1	11	0.1357	4.952	6.8800	4.9123	36.4932	7.45	0.000819
1	1	29	2035	1	12	0.1451	5.294	6.8800	4.9123	36.4932	7.07	0.000002
1	1	29	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2035	1	14	0.0236	0.707	7.2800	5.1979	30.0117	32.40	0.000028
1	1	29	2035	1	15	0.0451	2.175	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2035	1	16	0.0991	4.463	6.6500	4.7481	45.0549	12.96	0.008198
1	1	29	2035	1	17	0.1131	5.345	6.6500	4.7481	47.2522	11.66	0.002544
1	1	29	2035	1	18	0.1321	7.487	6.6500	4.7481	56.6821	10.20	0.002699
1	1	29	2035	1	19	0.1426	8.085	6.6500	4.7481	56.6821	9.88	0.001293
1	1	29	2035	1	20	0.1764	11.421	6.6500	4.7481	64.7605	8.71	0.006032
1	1	29	2035	1	21	0.2185	14.151	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2035	1	22	0.2501	32.572	6.6500	4.7481	130.2221	6.59	0.010278
1	1	29	2035	1	23	0.2747	54.344	6.6500	4.7481	197.8148	6.30	0.036527
1	1	29	2035	1	24	1.9859	17.043	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2035	1	25	0.1790	4.874	6.8800	4.9123	27.2301	6.45	0.000303
1	1	29	2035	1	26	0.2262	22.112	6.6500	4.7481	97.7390	4.36	0.003655
1	1	29	2035	1	27	0.2712	7.385	6.6500	4.7481	27.2301	6.18	0.007008
1	1	29	2035	1	28	0.0720	3.167	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2035	2	1	9.5600	286.911	7.2800	5.3799	30.0117	24.10	0.281246
1	1	29	2035	2	2	7.5393	303.047	8.0600	5.7548	40.1957	18.50	0.101405
1	1	29	2035	2	3	8.0799	324.779	8.0600	5.7548	40.1957	18.50	0.337320
1	1	29	2035	2	4	9.4335	356.745	8.0600	5.7548	37.8166	14.20	0.103547

1	1	29	2035	2	5	9.6673	365.586	8.0600	5.7548	37.8166	14.20	0.047578
1	1	29	2035	2	6	5.2869	199.689	6.8800	4.9123	37.7707	10.13	0.027524
1	1	29	2035	2	7	6.8288	257.928	6.8800	4.9123	37.7707	9.39	0.000969
1	1	29	2035	2	8	6.6365	242.186	6.8800	4.9123	36.4932	9.35	0.000281
1	1	29	2035	2	9	7.7514	282.874	6.8800	4.9123	36.4931	8.01	0.000959
1	1	29	2035	2	10	7.6720	279.975	6.8800	4.9123	36.4932	8.14	0.001996
1	1	29	2035	2	11	9.1188	332.772	6.8800	4.9123	36.4932	7.45	0.000819
1	1	29	2035	2	12	9.7113	354.397	6.8800	4.9123	36.4932	7.07	0.000002
1	1	29	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2035	2	14	0.5080	15.246	7.2800	5.1979	30.0117	32.40	0.000028
1	1	29	2035	2	15	0.2223	10.733	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2035	2	16	0.0806	3.632	6.6500	4.7481	45.0549	12.96	0.008198
1	1	29	2035	2	17	0.0923	4.361	6.6500	4.7481	47.2522	11.66	0.002544
1	1	29	2035	2	18	0.1077	6.104	6.6500	4.7481	56.6821	10.20	0.002699
1	1	29	2035	2	19	0.1163	6.592	6.6500	4.7481	56.6821	9.88	0.001293
1	1	29	2035	2	20	0.1194	7.731	6.6500	4.7481	64.7605	8.71	0.006032
1	1	29	2035	2	21	0.1483	9.604	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2035	2	22	0.2043	26.604	6.6500	4.7481	130.2221	6.59	0.010278
1	1	29	2035	2	23	0.2240	44.308	6.6500	4.7481	197.8148	6.30	0.036527
1	1	29	2035	2	24	10.9720	94.164	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2035	2	25	11.0845	301.833	6.8800	4.9123	27.2301	6.45	0.000303
1	1	29	2035	2	26	0.2726	26.644	6.6500	4.7481	97.7390	4.36	0.003655
1	1	29	2035	2	27	0.1840	5.010	6.6500	4.7481	27.2301	6.18	0.007008
1	1	29	2035	2	28	0.2909	12.793	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2035	3	1	0.1159	3.478	7.2800	5.3799	30.0117	24.10	0.281246
1	1	29	2035	3	2	0.1113	4.474	8.0600	5.7548	40.1957	18.50	0.101405
1	1	29	2035	3	3	0.1549	6.226	8.0600	5.7548	40.1957	18.50	0.337320
1	1	29	2035	3	4	0.2533	9.578	8.0600	5.7548	37.8166	14.20	0.103547
1	1	29	2035	3	5	0.2735	10.343	8.0600	5.7548	37.8166	14.20	0.047578
1	1	29	2035	3	6	0.1626	6.143	6.8800	4.9123	37.7707	10.13	0.027524
1	1	29	2035	3	7	0.2119	8.004	6.8800	4.9123	37.7707	9.39	0.000969
1	1	29	2035	3	8	0.1894	6.913	6.8800	4.9123	36.4932	9.35	0.000281
1	1	29	2035	3	9	0.2176	7.941	6.8800	4.9123	36.4931	8.01	0.000959
1	1	29	2035	3	10	0.2152	7.855	6.8800	4.9123	36.4932	8.14	0.001996
1	1	29	2035	3	11	0.2448	8.935	6.8800	4.9123	36.4932	7.45	0.000819
1	1	29	2035	3	12	0.2589	9.449	6.8800	4.9123	36.4932	7.07	0.000002
1	1	29	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2035	3	14	0.0192	0.577	7.2800	5.1979	30.0117	32.40	0.000028
1	1	29	2035	3	15	0.0308	1.486	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2035	3	16	0.1723	7.762	6.6500	4.7481	45.0549	12.96	0.008198
1	1	29	2035	3	17	0.1978	9.345	6.6500	4.7481	47.2522	11.66	0.002544
1	1	29	2035	3	18	0.2303	13.053	6.6500	4.7481	56.6821	10.20	0.002699
1	1	29	2035	3	19	0.2487	14.099	6.6500	4.7481	56.6821	9.88	0.001293
1	1	29	2035	3	20	0.3076	19.922	6.6500	4.7481	64.7605	8.71	0.006032
1	1	29	2035	3	21	0.3815	24.704	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2035	3	22	0.4368	56.885	6.6500	4.7481	130.2221	6.59	0.010278
1	1	29	2035	3	23	0.4799	94.932	6.6500	4.7481	197.8148	6.30	0.036527

1	1	29	2035	3	24	1.9140	16.426	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2035	3	25	0.2950	8.032	6.8800	4.9123	27.2301	6.45	0.000303
1	1	29	2035	3	26	0.6372	62.283	6.6500	4.7481	97.7390	4.36	0.003655
1	1	29	2035	3	27	0.4729	12.876	6.6500	4.7481	27.2301	6.18	0.007008
1	1	29	2035	3	28	0.0356	1.566	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	30	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	30	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	30	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	30	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	30	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	30	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	30	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	30	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	30	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	30	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	30	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	30	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	30	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	30	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	30	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	30	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	30	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	30	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	30	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	30	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	30	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	30	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	30	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2035	1	1	0.1263	3.791	7.2800	5.3799	30.0117	24.10	0.281246
1	1	30	2035	1	2	0.0993	3.993	8.0600	5.7548	40.1957	18.50	0.101405
1	1	30	2035	1	3	0.1428	5.740	8.0600	5.7548	40.1957	18.50	0.337320
1	1	30	2035	1	4	0.2227	8.423	8.0600	5.7548	37.8166	14.20	0.103547
1	1	30	2035	1	5	0.2225	8.413	8.0600	5.7548	37.8166	14.20	0.047578
1	1	30	2035	1	6	0.1288	4.865	6.8800	4.9123	37.7707	10.13	0.027524
1	1	30	2035	1	7	0.1205	4.551	6.8800	4.9123	37.7707	9.39	0.000969
1	1	30	2035	1	8	0.1113	4.063	6.8800	4.9123	36.4932	9.35	0.000281
1	1	30	2035	1	9	0.1235	4.508	6.8800	4.9123	36.4931	8.01	0.000959
1	1	30	2035	1	10	0.1229	4.486	6.8800	4.9123	36.4932	8.14	0.001996
1	1	30	2035	1	11	0.1312	4.789	6.8800	4.9123	36.4932	7.45	0.000819
1	1	30	2035	1	12	0.1402	5.117	6.8800	4.9123	36.4932	7.07	0.000002
1	1	30	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2035	1	14	0.0231	0.694	7.2800	5.1979	30.0117	32.40	0.000028

1	1	30	2035	1	15	0.0442	2.132	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2035	1	16	0.0965	4.347	6.6500	4.7481	45.0549	12.96	0.008198
1	1	30	2035	1	17	0.1102	5.206	6.6500	4.7481	47.2522	11.66	0.002544
1	1	30	2035	1	18	0.1287	7.292	6.6500	4.7481	56.6821	10.20	0.002699
1	1	30	2035	1	19	0.1389	7.874	6.6500	4.7481	56.6821	9.88	0.001293
1	1	30	2035	1	20	0.1718	11.124	6.6500	4.7481	64.7605	8.71	0.006032
1	1	30	2035	1	21	0.2128	13.783	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2035	1	22	0.2436	31.725	6.6500	4.7481	130.2221	6.59	0.010278
1	1	30	2035	1	23	0.2676	52.931	6.6500	4.7481	197.8148	6.30	0.036527
1	1	30	2035	1	24	1.9583	16.806	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2035	1	25	0.1731	4.714	6.8800	4.9123	27.2301	6.45	0.000303
1	1	30	2035	1	26	0.2204	21.538	6.6500	4.7481	97.7390	4.36	0.003655
1	1	30	2035	1	27	0.2642	7.193	6.6500	4.7481	27.2301	6.18	0.007008
1	1	30	2035	1	28	0.0706	3.106	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2035	2	1	9.5676	287.141	7.2800	5.3799	30.0117	24.10	0.281246
1	1	30	2035	2	2	7.5470	303.355	8.0600	5.7548	40.1957	18.50	0.101405
1	1	30	2035	2	3	8.0892	325.150	8.0600	5.7548	40.1957	18.50	0.337320
1	1	30	2035	2	4	9.4452	357.184	8.0600	5.7548	37.8166	14.20	0.103547
1	1	30	2035	2	5	9.6792	366.037	8.0600	5.7548	37.8166	14.20	0.047578
1	1	30	2035	2	6	5.1489	194.478	6.8800	4.9123	37.7707	10.13	0.027524
1	1	30	2035	2	7	6.6506	251.197	6.8800	4.9123	37.7707	9.39	0.000969
1	1	30	2035	2	8	6.4633	235.866	6.8800	4.9123	36.4932	9.35	0.000281
1	1	30	2035	2	9	7.5492	275.493	6.8800	4.9123	36.4931	8.01	0.000959
1	1	30	2035	2	10	7.4718	272.669	6.8800	4.9123	36.4932	8.14	0.001996
1	1	30	2035	2	11	8.8808	324.089	6.8800	4.9123	36.4932	7.45	0.000819
1	1	30	2035	2	12	9.4579	345.149	6.8800	4.9123	36.4932	7.07	0.000002
1	1	30	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2035	2	14	0.4995	14.991	7.2800	5.1979	30.0117	32.40	0.000028
1	1	30	2035	2	15	0.2180	10.528	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2035	2	16	0.0783	3.529	6.6500	4.7481	45.0549	12.96	0.008198
1	1	30	2035	2	17	0.0897	4.238	6.6500	4.7481	47.2522	11.66	0.002544
1	1	30	2035	2	18	0.1046	5.931	6.6500	4.7481	56.6821	10.20	0.002699
1	1	30	2035	2	19	0.1130	6.405	6.6500	4.7481	56.6821	9.88	0.001293
1	1	30	2035	2	20	0.1160	7.512	6.6500	4.7481	64.7605	8.71	0.006032
1	1	30	2035	2	21	0.1441	9.331	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2035	2	22	0.1985	25.849	6.6500	4.7481	130.2221	6.59	0.010278
1	1	30	2035	2	23	0.2176	43.050	6.6500	4.7481	197.8148	6.30	0.036527
1	1	30	2035	2	24	10.7324	92.108	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2035	2	25	10.7953	293.957	6.8800	4.9123	27.2301	6.45	0.000303
1	1	30	2035	2	26	0.2649	25.887	6.6500	4.7481	97.7390	4.36	0.003655
1	1	30	2035	2	27	0.1788	4.868	6.6500	4.7481	27.2301	6.18	0.007008
1	1	30	2035	2	28	0.2856	12.557	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2035	3	1	0.1154	3.465	7.2800	5.3799	30.0117	24.10	0.281246
1	1	30	2035	3	2	0.1109	4.456	8.0600	5.7548	40.1957	18.50	0.101405
1	1	30	2035	3	3	0.1543	6.203	8.0600	5.7548	40.1957	18.50	0.337320
1	1	30	2035	3	4	0.2525	9.548	8.0600	5.7548	37.8166	14.20	0.103547
1	1	30	2035	3	5	0.2728	10.315	8.0600	5.7548	37.8166	14.20	0.047578

1	1	30	2035	3	6	0.1639	6.191	6.8800	4.9123	37.7707	10.13	0.027524
1	1	30	2035	3	7	0.2136	8.068	6.8800	4.9123	37.7707	9.39	0.000969
1	1	30	2035	3	8	0.1909	6.968	6.8800	4.9123	36.4932	9.35	0.000281
1	1	30	2035	3	9	0.2193	8.004	6.8800	4.9123	36.4931	8.01	0.000959
1	1	30	2035	3	10	0.2170	7.917	6.8800	4.9123	36.4932	8.14	0.001996
1	1	30	2035	3	11	0.2468	9.005	6.8800	4.9123	36.4932	7.45	0.000819
1	1	30	2035	3	12	0.2610	9.523	6.8800	4.9123	36.4932	7.07	0.000002
1	1	30	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2035	3	14	0.0192	0.576	7.2800	5.1979	30.0117	32.40	0.000028
1	1	30	2035	3	15	0.0307	1.484	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2035	3	16	0.1720	7.747	6.6500	4.7481	45.0549	12.96	0.008198
1	1	30	2035	3	17	0.1974	9.328	6.6500	4.7481	47.2522	11.66	0.002544
1	1	30	2035	3	18	0.2299	13.029	6.6500	4.7481	56.6821	10.20	0.002699
1	1	30	2035	3	19	0.2483	14.073	6.6500	4.7481	56.6821	9.88	0.001293
1	1	30	2035	3	20	0.3071	19.886	6.6500	4.7481	64.7605	8.71	0.006032
1	1	30	2035	3	21	0.3808	24.658	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2035	3	22	0.4360	56.781	6.6500	4.7481	130.2221	6.59	0.010278
1	1	30	2035	3	23	0.4790	94.757	6.6500	4.7481	197.8148	6.30	0.036527
1	1	30	2035	3	24	1.9284	16.550	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2035	3	25	0.2973	8.096	6.8800	4.9123	27.2301	6.45	0.000303
1	1	30	2035	3	26	0.6361	62.168	6.6500	4.7481	97.7390	4.36	0.003655
1	1	30	2035	3	27	0.4720	12.853	6.6500	4.7481	27.2301	6.18	0.007008
1	1	30	2035	3	28	0.0356	1.564	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374

1	1	31	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2035	1	1	0.1250	3.753	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2035	1	2	0.0984	3.957	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2035	1	3	0.1419	5.702	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2035	1	4	0.2210	8.359	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2035	1	5	0.2207	8.345	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2035	1	6	0.1248	4.712	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2035	1	7	0.1168	4.411	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2035	1	8	0.1080	3.940	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2035	1	9	0.1197	4.367	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2035	1	10	0.1191	4.345	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2035	1	11	0.1271	4.637	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2035	1	12	0.1357	4.950	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2035	1	14	0.0227	0.682	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2035	1	15	0.0433	2.092	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2035	1	16	0.0941	4.238	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2035	1	17	0.1074	5.075	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2035	1	18	0.1254	7.109	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2035	1	19	0.1354	7.677	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2035	1	20	0.1675	10.844	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2035	1	21	0.2075	13.437	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2035	1	22	0.2375	30.928	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2035	1	23	0.2609	51.601	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2035	1	24	1.9323	16.583	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2035	1	25	0.1676	4.563	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2035	1	26	0.2148	20.996	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2035	1	27	0.2575	7.012	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2035	1	28	0.0693	3.049	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2035	2	1	9.5748	287.357	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2035	2	2	7.5542	303.645	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2035	2	3	8.0979	325.500	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2035	2	4	9.4561	357.598	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2035	2	5	9.6905	366.460	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2035	2	6	5.0191	189.574	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2035	2	7	6.4829	244.863	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2035	2	8	6.3003	229.918	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2035	2	9	7.3588	268.545	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2035	2	10	7.2834	265.793	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2035	2	11	8.6568	315.916	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2035	2	12	9.2194	336.445	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2035	2	14	0.4915	14.751	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2035	2	15	0.2140	10.335	8.0600	5.7548	48.2848	22.10	0.004518

1	1	31	2035	2	16	0.0762	3.432	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2035	2	17	0.0872	4.121	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2035	2	18	0.1018	5.768	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2035	2	19	0.1099	6.229	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2035	2	20	0.1128	7.305	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2035	2	21	0.1401	9.075	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2035	2	22	0.1930	25.138	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2035	2	23	0.2116	41.867	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2035	2	24	10.5069	90.173	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2035	2	25	10.5230	286.544	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2035	2	26	0.2576	25.176	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2035	2	27	0.1739	4.734	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2035	2	28	0.2805	12.336	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2035	3	1	0.1150	3.452	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2035	3	2	0.1104	4.439	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2035	3	3	0.1538	6.181	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2035	3	4	0.2517	9.519	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2035	3	5	0.2721	10.290	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2035	3	6	0.1651	6.237	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2035	3	7	0.2152	8.127	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2035	3	8	0.1923	7.019	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2035	3	9	0.2209	8.063	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2035	3	10	0.2186	7.976	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2035	3	11	0.2486	9.072	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2035	3	12	0.2629	9.594	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2035	3	14	0.0192	0.575	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2035	3	15	0.0307	1.481	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2035	3	16	0.1717	7.734	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2035	3	17	0.1971	9.311	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2035	3	18	0.2295	13.006	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2035	3	19	0.2479	14.049	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2035	3	20	0.3065	19.851	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2035	3	21	0.3801	24.615	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2035	3	22	0.4353	56.682	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2035	3	23	0.4782	94.593	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2035	3	24	1.9419	16.666	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2035	3	25	0.2995	8.155	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2035	3	26	0.6350	62.060	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2035	3	27	0.4712	12.830	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2035	3	28	0.0355	1.561	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524

1	1	32	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	32	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	32	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2035	1	1	0.1238	3.717	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2035	1	2	0.0976	3.923	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2035	1	3	0.1410	5.666	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2035	1	4	0.2194	8.298	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2035	1	5	0.2190	8.281	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2035	1	6	0.1209	4.568	6.8800	4.9123	37.7707	10.13	0.027524
1	1	32	2035	1	7	0.1133	4.280	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2035	1	8	0.1048	3.824	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2035	1	9	0.1160	4.233	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2035	1	10	0.1154	4.213	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2035	1	11	0.1231	4.492	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2035	1	12	0.1314	4.793	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2035	1	14	0.0224	0.671	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2035	1	15	0.0425	2.054	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2035	1	16	0.0918	4.135	6.6500	4.7481	45.0549	12.96	0.008198
1	1	32	2035	1	17	0.1048	4.952	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2035	1	18	0.1224	6.937	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2035	1	19	0.1321	7.490	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2035	1	20	0.1634	10.581	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2035	1	21	0.2024	13.110	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2035	1	22	0.2317	30.177	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2035	1	23	0.2545	50.347	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2035	1	24	1.9078	16.373	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2035	1	25	0.1624	4.421	6.8800	4.9123	27.2301	6.45	0.000303

1	1	32	2035	1	26	0.2096	20.486	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2035	1	27	0.2513	6.842	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2035	1	28	0.0681	2.995	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2035	2	1	9.5816	287.560	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2035	2	2	7.5610	303.919	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2035	2	3	8.1061	325.830	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2035	2	4	9.4664	357.988	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2035	2	5	9.7010	366.860	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2035	2	6	4.8966	184.950	6.8800	4.9123	37.7707	10.13	0.027524
1	1	32	2035	2	7	6.3247	238.890	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2035	2	8	6.1466	224.309	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2035	2	9	7.1793	261.995	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2035	2	10	7.1057	259.310	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2035	2	11	8.4457	308.210	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2035	2	12	8.9945	328.238	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2035	2	14	0.4839	14.524	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2035	2	15	0.2103	10.153	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2035	2	16	0.0741	3.340	6.6500	4.7481	45.0549	12.96	0.008198
1	1	32	2035	2	17	0.0849	4.011	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2035	2	18	0.0990	5.614	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2035	2	19	0.1070	6.063	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2035	2	20	0.1098	7.110	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2035	2	21	0.1364	8.833	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2035	2	22	0.1879	24.468	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2035	2	23	0.2060	40.751	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2035	2	24	10.2943	88.348	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2035	2	25	10.2664	279.554	6.8800	4.9123	27.2301	6.45	0.000303
1	1	32	2035	2	26	0.2507	24.505	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2035	2	27	0.1692	4.608	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2035	2	28	0.2758	12.127	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2035	3	1	0.1146	3.440	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2035	3	2	0.1100	4.423	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2035	3	3	0.1533	6.161	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2035	3	4	0.2510	9.493	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2035	3	5	0.2715	10.266	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2035	3	6	0.1663	6.280	6.8800	4.9123	37.7707	10.13	0.027524
1	1	32	2035	3	7	0.2167	8.183	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2035	3	8	0.1937	7.068	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2035	3	9	0.2225	8.118	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2035	3	10	0.2201	8.031	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2035	3	11	0.2503	9.135	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2035	3	12	0.2647	9.660	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2035	3	14	0.0191	0.574	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2035	3	15	0.0306	1.479	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2035	3	16	0.1714	7.721	6.6500	4.7481	45.0549	12.96	0.008198

1	1	32	2035	3	17	0.1967	9.296	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2035	3	18	0.2291	12.985	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2035	3	19	0.2474	14.026	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2035	3	20	0.3060	19.819	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2035	3	21	0.3795	24.575	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2035	3	22	0.4346	56.590	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2035	3	23	0.4774	94.438	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2035	3	24	1.9547	16.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2035	3	25	0.3016	8.212	6.8800	4.9123	27.2301	6.45	0.000303
1	1	32	2035	3	26	0.6339	61.959	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2035	3	27	0.4704	12.809	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2035	3	28	0.0354	1.558	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	33	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	33	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2035	1	1	0.1230	3.693	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2035	1	2	0.0971	3.904	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2035	1	3	0.1408	5.659	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2035	1	4	0.2188	8.275	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2035	1	5	0.2182	8.252	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2035	1	6	0.1177	4.444	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2035	1	7	0.1103	4.166	6.8800	4.9123	37.7707	9.39	0.000969

1	1	33	2035	1	8	0.1020	3.724	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2035	1	9	0.1129	4.119	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2035	1	10	0.1123	4.099	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2035	1	11	0.1197	4.369	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2035	1	12	0.1277	4.659	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2035	1	14	0.0220	0.660	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2035	1	15	0.0418	2.019	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2035	1	16	0.0897	4.040	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2035	1	17	0.1024	4.837	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2035	1	18	0.1195	6.776	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2035	1	19	0.1291	7.317	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2035	1	20	0.1596	10.336	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2035	1	21	0.1978	12.807	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2035	1	22	0.2264	29.478	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2035	1	23	0.2486	49.182	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2035	1	24	1.8861	16.187	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2035	1	25	0.1578	4.298	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2035	1	26	0.2048	20.012	6.6500	4.7481	97.7390	4.36	0.003655
1	1	33	2035	1	27	0.2454	6.684	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2035	1	28	0.0670	2.945	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2035	2	1	9.6368	289.217	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2035	2	2	7.6148	306.082	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2035	2	3	8.1642	328.167	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2035	2	4	9.5395	360.752	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2035	2	5	9.7753	369.670	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2035	2	6	4.8155	181.885	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2035	2	7	6.2199	234.931	6.8800	4.9123	37.7707	9.39	0.000969
1	1	33	2035	2	8	6.0448	220.592	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2035	2	9	7.0603	257.653	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2035	2	10	6.9880	255.012	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2035	2	11	8.3057	303.102	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2035	2	12	8.8455	322.798	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2035	2	14	0.4782	14.351	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2035	2	15	0.2074	10.014	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2035	2	16	0.0726	3.271	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2035	2	17	0.0831	3.928	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2035	2	18	0.0970	5.497	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2035	2	19	0.1047	5.936	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2035	2	20	0.1075	6.962	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2035	2	21	0.1335	8.648	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2035	2	22	0.1840	23.957	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2035	2	23	0.2017	39.899	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2035	2	24	10.1083	86.752	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2035	2	25	10.0962	274.922	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2035	2	26	0.2455	23.993	6.6500	4.7481	97.7390	4.36	0.003655

1	1	33	2035	2	27	0.1657	4.512	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2035	2	28	0.2721	11.967	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2035	3	1	0.1152	3.458	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2035	3	2	0.1106	4.448	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2035	3	3	0.1540	6.191	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2035	3	4	0.2520	9.530	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2035	3	5	0.2722	10.295	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2035	3	6	0.1677	6.334	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2035	3	7	0.2185	8.254	6.8800	4.9123	37.7707	9.39	0.000969
1	1	33	2035	3	8	0.1953	7.129	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2035	3	9	0.2244	8.188	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2035	3	10	0.2220	8.100	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2035	3	11	0.2525	9.213	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2035	3	12	0.2670	9.743	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2035	3	14	0.0192	0.578	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2035	3	15	0.0308	1.487	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2035	3	16	0.1724	7.767	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2035	3	17	0.1979	9.351	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2035	3	18	0.2304	13.062	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2035	3	19	0.2489	14.109	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2035	3	20	0.3078	19.936	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2035	3	21	0.3817	24.720	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2035	3	22	0.4371	56.924	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2035	3	23	0.4802	94.996	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2035	3	24	1.9655	16.868	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2035	3	25	0.3042	8.283	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2035	3	26	0.6377	62.325	6.6500	4.7481	97.7390	4.36	0.003655
1	1	33	2035	3	27	0.4732	12.885	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2035	3	28	0.0356	1.567	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	34	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544

1	1	34	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	34	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2035	1	1	0.1223	3.670	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2035	1	2	0.0967	3.886	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2035	1	3	0.1406	5.653	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2035	1	4	0.2182	8.253	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2035	1	5	0.2175	8.224	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2035	1	6	0.1145	4.326	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2035	1	7	0.1074	4.058	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2035	1	8	0.0994	3.629	6.8800	4.9123	36.4932	9.35	0.000281
1	1	34	2035	1	9	0.1099	4.010	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2035	1	10	0.1094	3.991	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2035	1	11	0.1165	4.251	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2035	1	12	0.1242	4.532	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2035	1	14	0.0217	0.650	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2035	1	15	0.0411	1.985	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2035	1	16	0.0876	3.949	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2035	1	17	0.1001	4.729	6.6500	4.7481	47.2522	11.66	0.002544
1	1	34	2035	1	18	0.1169	6.624	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2035	1	19	0.1262	7.153	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2035	1	20	0.1560	10.104	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2035	1	21	0.1933	12.520	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2035	1	22	0.2213	28.818	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2035	1	23	0.2431	48.079	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2035	1	24	1.8656	16.011	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2035	1	25	0.1536	4.182	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2035	1	26	0.2002	19.564	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2035	1	27	0.2399	6.534	6.6500	4.7481	27.2301	6.18	0.007008
1	1	34	2035	1	28	0.0659	2.898	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2035	2	1	9.6890	290.785	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2035	2	2	7.6657	308.129	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2035	2	3	8.2192	330.378	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2035	2	4	9.6086	363.366	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2035	2	5	9.8456	372.328	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2035	2	6	4.7387	178.985	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2035	2	7	6.1208	231.186	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2035	2	8	5.9484	217.076	6.8800	4.9123	36.4932	9.35	0.000281

1	1	34	2035	2	9	6.9478	253.546	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2035	2	10	6.8766	250.947	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2035	2	11	8.1733	298.271	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2035	2	12	8.7045	317.653	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2035	2	14	0.4727	14.188	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2035	2	15	0.2047	9.883	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2035	2	16	0.0711	3.205	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2035	2	17	0.0814	3.848	6.6500	4.7481	47.2522	11.66	0.002544
1	1	34	2035	2	18	0.0950	5.386	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2035	2	19	0.1026	5.816	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2035	2	20	0.1053	6.821	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2035	2	21	0.1308	8.474	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2035	2	22	0.1803	23.473	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2035	2	23	0.1976	39.094	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2035	2	24	9.9324	85.242	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2035	2	25	9.9353	270.539	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2035	2	26	0.2405	23.508	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2035	2	27	0.1623	4.420	6.6500	4.7481	27.2301	6.18	0.007008
1	1	34	2035	2	28	0.2687	11.816	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2035	3	1	0.1158	3.475	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2035	3	2	0.1112	4.470	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2035	3	3	0.1547	6.220	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2035	3	4	0.2530	9.566	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2035	3	5	0.2730	10.323	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2035	3	6	0.1691	6.386	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2035	3	7	0.2203	8.321	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2035	3	8	0.1969	7.186	6.8800	4.9123	36.4932	9.35	0.000281
1	1	34	2035	3	9	0.2262	8.255	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2035	3	10	0.2238	8.166	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2035	3	11	0.2545	9.288	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2035	3	12	0.2692	9.822	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2035	3	14	0.0193	0.581	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2035	3	15	0.0310	1.495	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2035	3	16	0.1733	7.810	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2035	3	17	0.1990	9.403	6.6500	4.7481	47.2522	11.66	0.002544
1	1	34	2035	3	18	0.2317	13.134	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2035	3	19	0.2503	14.187	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2035	3	20	0.3095	20.047	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2035	3	21	0.3838	24.858	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2035	3	22	0.4396	57.241	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2035	3	23	0.4829	95.524	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2035	3	24	1.9757	16.956	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2035	3	25	0.3066	8.350	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2035	3	26	0.6412	62.671	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2035	3	27	0.4758	12.957	6.6500	4.7481	27.2301	6.18	0.007008

1	1	34	2035	3	28	0.0358	1.576	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	35	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	35	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2035	1	1	0.1216	3.649	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2035	1	2	0.0963	3.869	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2035	1	3	0.1405	5.646	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2035	1	4	0.2177	8.233	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2035	1	5	0.2168	8.198	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2035	1	6	0.1116	4.215	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2035	1	7	0.1047	3.955	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2035	1	8	0.0970	3.539	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2035	1	9	0.1071	3.908	6.8800	4.9123	36.4931	8.01	0.000959
1	1	35	2035	1	10	0.1066	3.889	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2035	1	11	0.1135	4.140	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2035	1	12	0.1209	4.411	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2035	1	14	0.0214	0.641	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2035	1	15	0.0405	1.953	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2035	1	16	0.0857	3.863	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2035	1	17	0.0979	4.626	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2035	1	18	0.1143	6.480	6.6500	4.7481	56.6821	10.20	0.002699

1	1	35	2035	1	19	0.1234	6.997	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2035	1	20	0.1526	9.885	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2035	1	21	0.1891	12.248	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2035	1	22	0.2165	28.192	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2035	1	23	0.2378	47.035	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2035	1	24	1.8462	15.845	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2035	1	25	0.1495	4.071	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2035	1	26	0.1958	19.139	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2035	1	27	0.2347	6.392	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2035	1	28	0.0649	2.853	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2035	2	1	9.7385	292.270	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2035	2	2	7.7140	310.068	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2035	2	3	8.2713	332.472	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2035	2	4	9.6741	365.842	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2035	2	5	9.9122	374.846	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2035	2	6	4.6660	176.239	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2035	2	7	6.0269	227.639	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2035	2	8	5.8571	213.745	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2035	2	9	6.8412	249.655	6.8800	4.9123	36.4931	8.01	0.000959
1	1	35	2035	2	10	6.7710	247.096	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2035	2	11	8.0479	293.693	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2035	2	12	8.5709	312.778	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2035	2	14	0.4676	14.033	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2035	2	15	0.2021	9.758	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2035	2	16	0.0697	3.142	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2035	2	17	0.0799	3.773	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2035	2	18	0.0932	5.280	6.6500	4.7481	56.6821	10.20	0.002699
1	1	35	2035	2	19	0.1006	5.703	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2035	2	20	0.1033	6.688	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2035	2	21	0.1283	8.308	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2035	2	22	0.1767	23.015	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2035	2	23	0.1938	38.331	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2035	2	24	9.7657	83.811	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2035	2	25	9.7828	266.388	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2035	2	26	0.2358	23.049	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2035	2	27	0.1592	4.334	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2035	2	28	0.2655	11.674	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2035	3	1	0.1164	3.492	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2035	3	2	0.1118	4.492	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2035	3	3	0.1554	6.247	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2035	3	4	0.2538	9.599	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2035	3	5	0.2737	10.349	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2035	3	6	0.1704	6.434	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2035	3	7	0.2220	8.384	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2035	3	8	0.1984	7.241	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2035	3	9	0.2279	8.318	6.8800	4.9123	36.4931	8.01	0.000959

1	1	35	2035	3	10	0.2255	8.228	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2035	3	11	0.2565	9.359	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2035	3	12	0.2712	9.897	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2035	3	14	0.0194	0.584	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2035	3	15	0.0311	1.503	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2035	3	16	0.1743	7.851	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2035	3	17	0.2000	9.452	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2035	3	18	0.2329	13.203	6.6500	4.7481	56.6821	10.20	0.002699
1	1	35	2035	3	19	0.2516	14.261	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2035	3	20	0.3112	20.152	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2035	3	21	0.3859	24.988	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2035	3	22	0.4419	57.540	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2035	3	23	0.4854	96.025	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2035	3	24	1.9854	17.039	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2035	3	25	0.3090	8.413	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2035	3	26	0.6446	62.999	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2035	3	27	0.4783	13.025	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2035	3	28	0.0360	1.584	8.0600	5.7548	43.9743	17.00	0.002242
1	1	36	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	36	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	36	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	36	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	36	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	36	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	36	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	36	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	36	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	36	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	36	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	36	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	36	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	36	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	36	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	36	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	36	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	36	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	36	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	36	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	36	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	36	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	36	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	36	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242

1	1	36	2035	1	1	0.1209	3.628	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	36	2035	1	2	0.0959	3.853	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	36	2035	1	3	0.1403	5.640	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	36	2035	1	4	0.2172	8.213	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	36	2035	1	5	0.2161	8.173	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	36	2035	1	6	0.1088	4.109	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	36	2035	1	7	0.1022	3.858	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	36	2035	1	8	0.0947	3.454	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	36	2035	1	9	0.1044	3.810	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	36	2035	1	10	0.1039	3.792	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	36	2035	1	11	0.1106	4.035	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	36	2035	1	12	0.1177	4.297	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	36	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	36	2035	1	14	0.0211	0.632	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	36	2035	1	15	0.0398	1.923	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	36	2035	1	16	0.0839	3.782	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	36	2035	1	17	0.0958	4.529	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	36	2035	1	18	0.1119	6.344	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	36	2035	1	19	0.1208	6.850	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	36	2035	1	20	0.1494	9.677	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	36	2035	1	21	0.1851	11.990	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	36	2035	1	22	0.2119	27.598	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	36	2035	1	23	0.2328	46.044	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	36	2035	1	24	1.8278	15.687	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	36	2035	1	25	0.1457	3.966	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	36	2035	1	26	0.1917	18.735	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	36	2035	1	27	0.2298	6.257	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	36	2035	1	28	0.0639	2.810	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	36	2035	2	1	9.7855	293.679	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	36	2035	2	2	7.7597	311.908	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	36	2035	2	3	8.3208	334.459	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	36	2035	2	4	9.7362	368.192	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	36	2035	2	5	9.9754	377.235	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	36	2035	2	6	4.5970	173.633	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	36	2035	2	7	5.9377	224.273	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	36	2035	2	8	5.7705	210.584	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	36	2035	2	9	6.7400	245.964	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	36	2035	2	10	6.6709	243.443	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	36	2035	2	11	7.9289	289.351	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	36	2035	2	12	8.4441	308.154	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	36	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	36	2035	2	14	0.4627	13.886	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	36	2035	2	15	0.1997	9.640	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	36	2035	2	16	0.0684	3.083	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	36	2035	2	17	0.0783	3.702	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	36	2035	2	18	0.0914	5.181	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	36	2035	2	19	0.0987	5.595	6.6500	4.7481	56.6821	9.88
0.001293											

1	1	36	2035	2	20	0.1013	6.562	6.6500	4.7481	64.7605	8.71	0.006032
1	1	36	2035	2	21	0.1259	8.151	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2035	2	22	0.1734	22.580	6.6500	4.7481	130.2221	6.59	0.010278
1	1	36	2035	2	23	0.1901	37.607	6.6500	4.7481	197.8148	6.30	0.036527
1	1	36	2035	2	24	9.6076	82.454	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2035	2	25	9.6382	262.449	6.8800	4.9123	27.2301	6.45	0.000303
1	1	36	2035	2	26	0.2314	22.614	6.6500	4.7481	97.7390	4.36	0.003655
1	1	36	2035	2	27	0.1562	4.252	6.6500	4.7481	27.2301	6.18	0.007008
1	1	36	2035	2	28	0.2624	11.538	8.0600	5.7548	43.9743	17.00	0.002242
1	1	36	2035	3	1	0.1169	3.507	7.2800	5.3799	30.0117	24.10	0.281246
1	1	36	2035	3	2	0.1123	4.513	8.0600	5.7548	40.1957	18.50	0.101405
1	1	36	2035	3	3	0.1560	6.272	8.0600	5.7548	40.1957	18.50	0.337320
1	1	36	2035	3	4	0.2547	9.631	8.0600	5.7548	37.8166	14.20	0.103547
1	1	36	2035	3	5	0.2743	10.374	8.0600	5.7548	37.8166	14.20	0.047578
1	1	36	2035	3	6	0.1716	6.480	6.8800	4.9123	37.7707	10.13	0.027524
1	1	36	2035	3	7	0.2236	8.444	6.8800	4.9123	37.7707	9.39	0.000969
1	1	36	2035	3	8	0.1998	7.293	6.8800	4.9123	36.4932	9.35	0.000281
1	1	36	2035	3	9	0.2296	8.377	6.8800	4.9123	36.4931	8.01	0.000959
1	1	36	2035	3	10	0.2271	8.287	6.8800	4.9123	36.4932	8.14	0.001996
1	1	36	2035	3	11	0.2583	9.426	6.8800	4.9123	36.4932	7.45	0.000819
1	1	36	2035	3	12	0.2731	9.968	6.8800	4.9123	36.4932	7.07	0.000002
1	1	36	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2035	3	14	0.0195	0.586	7.2800	5.1979	30.0117	32.40	0.000028
1	1	36	2035	3	15	0.0313	1.510	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2035	3	16	0.1751	7.890	6.6500	4.7481	45.0549	12.96	0.008198
1	1	36	2035	3	17	0.2010	9.499	6.6500	4.7481	47.2522	11.66	0.002544
1	1	36	2035	3	18	0.2341	13.268	6.6500	4.7481	56.6821	10.20	0.002699
1	1	36	2035	3	19	0.2528	14.332	6.6500	4.7481	56.6821	9.88	0.001293
1	1	36	2035	3	20	0.3127	20.251	6.6500	4.7481	64.7605	8.71	0.006032
1	1	36	2035	3	21	0.3878	25.111	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2035	3	22	0.4440	57.825	6.6500	4.7481	130.2221	6.59	0.010278
1	1	36	2035	3	23	0.4878	96.499	6.6500	4.7481	197.8148	6.30	0.036527
1	1	36	2035	3	24	1.9946	17.118	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2035	3	25	0.3112	8.474	6.8800	4.9123	27.2301	6.45	0.000303
1	1	36	2035	3	26	0.6478	63.311	6.6500	4.7481	97.7390	4.36	0.003655
1	1	36	2035	3	27	0.4807	13.089	6.6500	4.7481	27.2301	6.18	0.007008
1	1	36	2035	3	28	0.0362	1.591	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	37	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996

1	1	37	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	37	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2035	1	1	0.1202	3.609	7.2800	5.3799	30.0117	24.10	0.281246
1	1	37	2035	1	2	0.0955	3.838	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2035	1	3	0.1402	5.635	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2035	1	4	0.2167	8.195	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2035	1	5	0.2155	8.150	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2035	1	6	0.1061	4.009	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2035	1	7	0.0997	3.766	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2035	1	8	0.0924	3.373	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2035	1	9	0.1019	3.717	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2035	1	10	0.1014	3.700	6.8800	4.9123	36.4932	8.14	0.001996
1	1	37	2035	1	11	0.1078	3.935	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2035	1	12	0.1148	4.188	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2035	1	14	0.0208	0.624	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2035	1	15	0.0392	1.895	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2035	1	16	0.0822	3.704	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2035	1	17	0.0939	4.436	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2035	1	18	0.1096	6.214	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2035	1	19	0.1184	6.710	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2035	1	20	0.1464	9.479	6.6500	4.7481	64.7605	8.71	0.006032
1	1	37	2035	1	21	0.1814	11.745	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2035	1	22	0.2076	27.034	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2035	1	23	0.2280	45.103	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2035	1	24	1.8103	15.537	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2035	1	25	0.1420	3.867	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2035	1	26	0.1878	18.352	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2035	1	27	0.2251	6.129	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2035	1	28	0.0630	2.770	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2035	2	1	9.8301	295.017	7.2800	5.3799	30.0117	24.10	0.281246

1	1	37	2035	2	2	7.8032	313.655	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2035	2	3	8.3677	336.347	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2035	2	4	9.7953	370.424	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2035	2	5	10.0354	379.505	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2035	2	6	4.5315	171.157	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2035	2	7	5.8531	221.075	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2035	2	8	5.6882	207.582	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2035	2	9	6.6439	242.457	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2035	2	10	6.5758	239.972	6.8800	4.9123	36.4932	8.14	0.001996
1	1	37	2035	2	11	7.8159	285.226	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2035	2	12	8.3238	303.760	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2035	2	14	0.4580	13.746	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2035	2	15	0.1973	9.528	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2035	2	16	0.0672	3.026	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2035	2	17	0.0769	3.634	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2035	2	18	0.0897	5.086	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2035	2	19	0.0969	5.493	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2035	2	20	0.0995	6.442	6.6500	4.7481	64.7605	8.71	0.006032
1	1	37	2035	2	21	0.1236	8.002	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2035	2	22	0.1702	22.167	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2035	2	23	0.1866	36.919	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2035	2	24	9.4574	81.165	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2035	2	25	9.5008	258.707	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2035	2	26	0.2271	22.201	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2035	2	27	0.1533	4.175	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2035	2	28	0.2595	11.409	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2035	3	1	0.1174	3.522	7.2800	5.3799	30.0117	24.10	0.281246
1	1	37	2035	3	2	0.1128	4.532	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2035	3	3	0.1567	6.297	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2035	3	4	0.2555	9.661	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2035	3	5	0.2749	10.397	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2035	3	6	0.1727	6.524	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2035	3	7	0.2251	8.501	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2035	3	8	0.2012	7.342	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2035	3	9	0.2311	8.434	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2035	3	10	0.2286	8.343	6.8800	4.9123	36.4932	8.14	0.001996
1	1	37	2035	3	11	0.2600	9.490	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2035	3	12	0.2750	10.035	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2035	3	14	0.0196	0.589	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2035	3	15	0.0314	1.517	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2035	3	16	0.1759	7.927	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2035	3	17	0.2020	9.543	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2035	3	18	0.2352	13.330	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2035	3	19	0.2540	14.399	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2035	3	20	0.3142	20.346	6.6500	4.7481	64.7605	8.71	0.006032

1	1	37	2035	3	21	0.3896	25.229	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2035	3	22	0.4461	58.095	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2035	3	23	0.4901	96.950	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2035	3	24	2.0034	17.193	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2035	3	25	0.3133	8.531	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2035	3	26	0.6508	63.607	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2035	3	27	0.4829	13.150	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2035	3	28	0.0364	1.599	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	38	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	38	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	38	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	38	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	38	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	38	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	38	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	38	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	38	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	38	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	38	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	38	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	38	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	38	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	38	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	38	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	38	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	38	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	38	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	38	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	38	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	38	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	38	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2035	1	1	0.1196	3.591	7.2800	5.3799	30.0117	24.10	0.281246
1	1	38	2035	1	2	0.0951	3.824	8.0600	5.7548	40.1957	18.50	0.101405
1	1	38	2035	1	3	0.1401	5.633	8.0600	5.7548	40.1957	18.50	0.337320
1	1	38	2035	1	4	0.2163	8.179	8.0600	5.7548	37.8166	14.20	0.103547
1	1	38	2035	1	5	0.2149	8.128	8.0600	5.7548	37.8166	14.20	0.047578
1	1	38	2035	1	6	0.1039	3.924	6.8800	4.9123	37.7707	10.13	0.027524
1	1	38	2035	1	7	0.0977	3.688	6.8800	4.9123	37.7707	9.39	0.000969
1	1	38	2035	1	8	0.0906	3.305	6.8800	4.9123	36.4932	9.35	0.000281
1	1	38	2035	1	9	0.0997	3.640	6.8800	4.9123	36.4931	8.01	0.000959
1	1	38	2035	1	10	0.0993	3.623	6.8800	4.9123	36.4932	8.14	0.001996
1	1	38	2035	1	11	0.1055	3.852	6.8800	4.9123	36.4932	7.45	0.000819

1	1	38	2035	1	12	0.1123	4.098	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	38	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	38	2035	1	14	0.0205	0.616	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	38	2035	1	15	0.0387	1.869	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	38	2035	1	16	0.0807	3.636	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	38	2035	1	17	0.0921	4.354	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	38	2035	1	18	0.1076	6.099	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	38	2035	1	19	0.1162	6.586	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	38	2035	1	20	0.1437	9.303	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	38	2035	1	21	0.1780	11.527	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	38	2035	1	22	0.2038	26.534	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	38	2035	1	23	0.2238	44.269	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	38	2035	1	24	1.7980	15.431	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	38	2035	1	25	0.1389	3.783	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	38	2035	1	26	0.1843	18.013	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	38	2035	1	27	0.2209	6.016	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	38	2035	1	28	0.0622	2.734	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	38	2035	2	1	9.8846	296.654	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	38	2035	2	2	7.8564	315.793	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	38	2035	2	3	8.4252	338.655	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	38	2035	2	4	9.8674	373.153	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	38	2035	2	5	10.1088	382.280	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	38	2035	2	6	4.5094	170.321	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	38	2035	2	7	5.8245	219.996	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	38	2035	2	8	5.6605	206.568	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	38	2035	2	9	6.6115	241.273	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	38	2035	2	10	6.5437	238.800	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	38	2035	2	11	7.7777	283.833	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	38	2035	2	12	8.2831	302.277	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	38	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	38	2035	2	14	0.4552	13.661	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	38	2035	2	15	0.1959	9.459	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	38	2035	2	16	0.0664	2.992	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	38	2035	2	17	0.0760	3.593	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	38	2035	2	18	0.0887	5.028	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	38	2035	2	19	0.0958	5.430	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	38	2035	2	20	0.0983	6.368	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	38	2035	2	21	0.1222	7.911	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	38	2035	2	22	0.1683	21.915	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	38	2035	2	23	0.1845	36.499	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	38	2035	2	24	9.3414	80.170	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	38	2035	2	25	9.4544	257.444	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	38	2035	2	26	0.2246	21.948	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	38	2035	2	27	0.1516	4.127	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	38	2035	2	28	0.2577	11.330	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	38	2035	3	1	0.1181	3.545	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	38	2035	3	2	0.1135	4.562	8.0600	5.7548	40.1957	18.50
0.101405											

1	1	38	2035	3	3	0.1576	6.334	8.0600	5.7548	40.1957	18.50	0.337320
1	1	38	2035	3	4	0.2568	9.710	8.0600	5.7548	37.8166	14.20	0.103547
1	1	38	2035	3	5	0.2760	10.438	8.0600	5.7548	37.8166	14.20	0.047578
1	1	38	2035	3	6	0.1742	6.578	6.8800	4.9123	37.7707	10.13	0.027524
1	1	38	2035	3	7	0.2269	8.571	6.8800	4.9123	37.7707	9.39	0.000969
1	1	38	2035	3	8	0.2028	7.403	6.8800	4.9123	36.4932	9.35	0.000281
1	1	38	2035	3	9	0.2330	8.503	6.8800	4.9123	36.4931	8.01	0.000959
1	1	38	2035	3	10	0.2305	8.411	6.8800	4.9123	36.4932	8.14	0.001996
1	1	38	2035	3	11	0.2622	9.568	6.8800	4.9123	36.4932	7.45	0.000819
1	1	38	2035	3	12	0.2773	10.118	6.8800	4.9123	36.4932	7.07	0.000002
1	1	38	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2035	3	14	0.0199	0.597	7.2800	5.1979	30.0117	32.40	0.000028
1	1	38	2035	3	15	0.0318	1.538	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2035	3	16	0.1784	8.038	6.6500	4.7481	45.0549	12.96	0.008198
1	1	38	2035	3	17	0.2048	9.677	6.6500	4.7481	47.2522	11.66	0.002544
1	1	38	2035	3	18	0.2385	13.517	6.6500	4.7481	56.6821	10.20	0.002699
1	1	38	2035	3	19	0.2576	14.600	6.6500	4.7481	56.6821	9.88	0.001293
1	1	38	2035	3	20	0.3186	20.630	6.6500	4.7481	64.7605	8.71	0.006032
1	1	38	2035	3	21	0.3950	25.582	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2035	3	22	0.4524	58.907	6.6500	4.7481	130.2221	6.59	0.010278
1	1	38	2035	3	23	0.4970	98.306	6.6500	4.7481	197.8148	6.30	0.036527
1	1	38	2035	3	24	2.0115	17.263	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2035	3	25	0.3159	8.601	6.8800	4.9123	27.2301	6.45	0.000303
1	1	38	2035	3	26	0.6599	64.496	6.6500	4.7481	97.7390	4.36	0.003655
1	1	38	2035	3	27	0.4897	13.334	6.6500	4.7481	27.2301	6.18	0.007008
1	1	38	2035	3	28	0.0368	1.620	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	39	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655

1	1	39	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2035	1	1	0.1191	3.573	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2035	1	2	0.0948	3.810	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2035	1	3	0.1401	5.630	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2035	1	4	0.2159	8.164	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2035	1	5	0.2144	8.107	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2035	1	6	0.1018	3.844	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2035	1	7	0.0957	3.614	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2035	1	8	0.0888	3.240	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2035	1	9	0.0977	3.566	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2035	1	10	0.0973	3.550	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2035	1	11	0.1034	3.772	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2035	1	12	0.1099	4.012	6.8800	4.9123	36.4932	7.07	0.000002
1	1	39	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2035	1	14	0.0203	0.609	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2035	1	15	0.0382	1.845	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2035	1	16	0.0793	3.571	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2035	1	17	0.0905	4.276	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2035	1	18	0.1057	5.990	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2035	1	19	0.1141	6.468	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2035	1	20	0.1411	9.137	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2035	1	21	0.1748	11.321	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2035	1	22	0.2001	26.058	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2035	1	23	0.2198	43.474	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2035	1	24	1.7863	15.330	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2035	1	25	0.1360	3.703	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2035	1	26	0.1810	17.690	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2035	1	27	0.2170	5.908	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2035	1	28	0.0614	2.700	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2035	2	1	9.9366	298.213	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2035	2	2	7.9070	317.828	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2035	2	3	8.4799	340.854	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2035	2	4	9.9362	375.753	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2035	2	5	10.1787	384.924	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2035	2	6	4.4883	169.525	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2035	2	7	5.7973	218.967	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2035	2	8	5.6340	205.603	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2035	2	9	6.5806	240.145	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2035	2	10	6.5131	237.684	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2035	2	11	7.7413	282.506	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2035	2	12	8.2444	300.864	6.8800	4.9123	36.4932	7.07	0.000002

1	1	39	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2035	2	14	0.4525	13.580	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2035	2	15	0.1946	9.394	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2035	2	16	0.0657	2.959	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2035	2	17	0.0752	3.553	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2035	2	18	0.0877	4.973	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2035	2	19	0.0948	5.371	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2035	2	20	0.0973	6.299	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2035	2	21	0.1208	7.825	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2035	2	22	0.1664	21.675	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2035	2	23	0.1825	36.099	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2035	2	24	9.2310	79.222	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2035	2	25	9.4102	256.240	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2035	2	26	0.2221	21.707	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2035	2	27	0.1499	4.082	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2035	2	28	0.2560	11.256	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2035	3	1	0.1188	3.566	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2035	3	2	0.1142	4.590	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2035	3	3	0.1585	6.370	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2035	3	4	0.2580	9.756	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2035	3	5	0.2770	10.476	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2035	3	6	0.1755	6.629	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2035	3	7	0.2287	8.638	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2035	3	8	0.2044	7.460	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2035	3	9	0.2348	8.569	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2035	3	10	0.2323	8.477	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2035	3	11	0.2642	9.642	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2035	3	12	0.2794	10.196	6.8800	4.9123	36.4932	7.07	0.000002
1	1	39	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2035	3	14	0.0201	0.605	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2035	3	15	0.0323	1.558	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2035	3	16	0.1807	8.143	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2035	3	17	0.2075	9.804	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2035	3	18	0.2416	13.694	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2035	3	19	0.2610	14.792	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2035	3	20	0.3227	20.901	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2035	3	21	0.4002	25.917	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2035	3	22	0.4583	59.681	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2035	3	23	0.5035	99.597	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2035	3	24	2.0193	17.330	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2035	3	25	0.3183	8.668	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2035	3	26	0.6685	65.343	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2035	3	27	0.4961	13.509	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2035	3	28	0.0373	1.641	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	40	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	40	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320

1	1	40	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	40	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	40	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	40	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	40	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	40	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	40	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	40	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	40	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	40	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	40	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	40	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	40	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	40	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	40	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	40	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	40	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	40	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	40	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	40	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	40	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	40	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	40	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	40	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	40	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	40	2035	1	1	0.1185	3.557	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	40	2035	1	2	0.0945	3.797	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	40	2035	1	3	0.1400	5.628	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	40	2035	1	4	0.2155	8.149	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	40	2035	1	5	0.2138	8.087	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	40	2035	1	6	0.0997	3.767	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	40	2035	1	7	0.0938	3.544	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	40	2035	1	8	0.0871	3.179	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	40	2035	1	9	0.0958	3.496	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	40	2035	1	10	0.0954	3.480	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	40	2035	1	11	0.1013	3.697	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	40	2035	1	12	0.1077	3.930	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	40	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	40	2035	1	14	0.0201	0.602	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	40	2035	1	15	0.0377	1.822	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	40	2035	1	16	0.0779	3.509	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	40	2035	1	17	0.0889	4.202	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	40	2035	1	18	0.1038	5.885	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	40	2035	1	19	0.1121	6.355	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	40	2035	1	20	0.1386	8.977	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	40	2035	1	21	0.1718	11.123	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	40	2035	1	22	0.1966	25.604	6.6500	4.7481	130.2221	6.59
0.010278											

1	1	40	2035	1	23	0.2159	42.717	6.6500	4.7481	197.8148	6.30	0.036527
1	1	40	2035	1	24	1.7751	15.234	1.3500	0.9639	8.5822	50.00	0.002374
1	1	40	2035	1	25	0.1332	3.626	6.8800	4.9123	27.2301	6.45	0.000303
1	1	40	2035	1	26	0.1778	17.382	6.6500	4.7481	97.7390	4.36	0.003655
1	1	40	2035	1	27	0.2132	5.805	6.6500	4.7481	27.2301	6.18	0.007008
1	1	40	2035	1	28	0.0607	2.667	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2035	2	1	9.9861	299.700	7.2800	5.3799	30.0117	24.10	0.281246
1	1	40	2035	2	2	7.9553	319.769	8.0600	5.7548	40.1957	18.50	0.101405
1	1	40	2035	2	3	8.5320	342.950	8.0600	5.7548	40.1957	18.50	0.337320
1	1	40	2035	2	4	10.0017	378.232	8.0600	5.7548	37.8166	14.20	0.103547
1	1	40	2035	2	5	10.2453	387.445	8.0600	5.7548	37.8166	14.20	0.047578
1	1	40	2035	2	6	4.4682	168.766	6.8800	4.9123	37.7707	10.13	0.027524
1	1	40	2035	2	7	5.7713	217.987	6.8800	4.9123	37.7707	9.39	0.000969
1	1	40	2035	2	8	5.6088	204.682	6.8800	4.9123	36.4932	9.35	0.000281
1	1	40	2035	2	9	6.5511	239.070	6.8800	4.9123	36.4931	8.01	0.000959
1	1	40	2035	2	10	6.4839	236.620	6.8800	4.9123	36.4932	8.14	0.001996
1	1	40	2035	2	11	7.7067	281.241	6.8800	4.9123	36.4932	7.45	0.000819
1	1	40	2035	2	12	8.2075	299.517	6.8800	4.9123	36.4932	7.07	0.000002
1	1	40	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	40	2035	2	14	0.4499	13.502	7.2800	5.1979	30.0117	32.40	0.000028
1	1	40	2035	2	15	0.1933	9.332	8.0600	5.7548	48.2848	22.10	0.004518
1	1	40	2035	2	16	0.0650	2.928	6.6500	4.7481	45.0549	12.96	0.008198
1	1	40	2035	2	17	0.0744	3.516	6.6500	4.7481	47.2522	11.66	0.002544
1	1	40	2035	2	18	0.0868	4.920	6.6500	4.7481	56.6821	10.20	0.002699
1	1	40	2035	2	19	0.0938	5.314	6.6500	4.7481	56.6821	9.88	0.001293
1	1	40	2035	2	20	0.0962	6.232	6.6500	4.7481	64.7605	8.71	0.006032
1	1	40	2035	2	21	0.1195	7.742	6.6500	4.7481	64.7605	7.53	0.008655
1	1	40	2035	2	22	0.1647	21.446	6.6500	4.7481	130.2221	6.59	0.010278
1	1	40	2035	2	23	0.1806	35.717	6.6500	4.7481	197.8148	6.30	0.036527
1	1	40	2035	2	24	9.1257	78.318	1.3500	0.9639	8.5822	50.00	0.002374
1	1	40	2035	2	25	9.3680	255.093	6.8800	4.9123	27.2301	6.45	0.000303
1	1	40	2035	2	26	0.2197	21.478	6.6500	4.7481	97.7390	4.36	0.003655
1	1	40	2035	2	27	0.1483	4.039	6.6500	4.7481	27.2301	6.18	0.007008
1	1	40	2035	2	28	0.2543	11.184	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2035	3	1	0.1195	3.586	7.2800	5.3799	30.0117	24.10	0.281246
1	1	40	2035	3	2	0.1149	4.617	8.0600	5.7548	40.1957	18.50	0.101405
1	1	40	2035	3	3	0.1593	6.404	8.0600	5.7548	40.1957	18.50	0.337320
1	1	40	2035	3	4	0.2591	9.800	8.0600	5.7548	37.8166	14.20	0.103547
1	1	40	2035	3	5	0.2780	10.513	8.0600	5.7548	37.8166	14.20	0.047578
1	1	40	2035	3	6	0.1768	6.678	6.8800	4.9123	37.7707	10.13	0.027524
1	1	40	2035	3	7	0.2304	8.701	6.8800	4.9123	37.7707	9.39	0.000969
1	1	40	2035	3	8	0.2059	7.515	6.8800	4.9123	36.4932	9.35	0.000281
1	1	40	2035	3	9	0.2365	8.632	6.8800	4.9123	36.4931	8.01	0.000959
1	1	40	2035	3	10	0.2340	8.539	6.8800	4.9123	36.4932	8.14	0.001996
1	1	40	2035	3	11	0.2661	9.713	6.8800	4.9123	36.4932	7.45	0.000819
1	1	40	2035	3	12	0.2815	10.271	6.8800	4.9123	36.4932	7.07	0.000002
1	1	40	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	40	2035	3	14	0.0204	0.612	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	40	2035	3	15	0.0326	1.576	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	40	2035	3	16	0.1830	8.244	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	40	2035	3	17	0.2100	9.925	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	40	2035	3	18	0.2446	13.864	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	40	2035	3	19	0.2642	14.975	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	40	2035	3	20	0.3267	21.160	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	40	2035	3	21	0.4052	26.238	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	40	2035	3	22	0.4640	60.418	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	40	2035	3	23	0.5097	100.828	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	40	2035	3	24	2.0267	17.393	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	40	2035	3	25	0.3206	8.731	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	40	2035	3	26	0.6768	66.151	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	40	2035	3	27	0.5022	13.676	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	40	2035	3	28	0.0378	1.661	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	41	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	41	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	41	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	41	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	41	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	41	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	41	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	41	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	41	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	41	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	41	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	41	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	41	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	41	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	41	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	41	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	41	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	41	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	41	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	41	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	41	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	41	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	41	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	41	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	41	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	41	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	41	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	41	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	41	2035	1	1	0.1180	3.541	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	41	2035	1	2	0.0942	3.785	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	41	2035	1	3	0.1400	5.626	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	41	2035	1	4	0.2151	8.136	8.0600	5.7548	37.8166	14.20
0.103547											

1	1	41	2035	1	5	0.2133	8.068	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	41	2035	1	6	0.0978	3.694	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	41	2035	1	7	0.0920	3.476	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	41	2035	1	8	0.0855	3.120	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	41	2035	1	9	0.0940	3.429	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	41	2035	1	10	0.0935	3.413	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	41	2035	1	11	0.0993	3.624	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	41	2035	1	12	0.1055	3.852	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	41	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	41	2035	1	14	0.0198	0.596	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	41	2035	1	15	0.0373	1.800	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	41	2035	1	16	0.0766	3.449	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	41	2035	1	17	0.0874	4.130	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	41	2035	1	18	0.1021	5.786	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	41	2035	1	19	0.1102	6.247	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	41	2035	1	20	0.1363	8.825	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	41	2035	1	21	0.1689	10.935	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	41	2035	1	22	0.1933	25.170	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	41	2035	1	23	0.2123	41.994	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	41	2035	1	24	1.7644	15.143	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	41	2035	1	25	0.1305	3.553	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	41	2035	1	26	0.1748	17.087	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	41	2035	1	27	0.2096	5.707	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	41	2035	1	28	0.0599	2.636	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	41	2035	2	1	10.0334	301.118	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	41	2035	2	2	8.0014	321.622	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	41	2035	2	3	8.5818	344.952	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	41	2035	2	4	10.0643	380.598	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	41	2035	2	5	10.3090	389.851	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	41	2035	2	6	4.4490	168.042	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	41	2035	2	7	5.7465	217.051	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	41	2035	2	8	5.5847	203.803	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	41	2035	2	9	6.5230	238.043	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	41	2035	2	10	6.4561	235.604	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	41	2035	2	11	7.6736	280.033	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	41	2035	2	12	8.1722	298.231	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	41	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	41	2035	2	14	0.4474	13.428	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	41	2035	2	15	0.1920	9.273	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	41	2035	2	16	0.0643	2.898	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	41	2035	2	17	0.0736	3.480	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	41	2035	2	18	0.0859	4.870	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	41	2035	2	19	0.0928	5.260	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	41	2035	2	20	0.0952	6.168	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	41	2035	2	21	0.1183	7.663	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	41	2035	2	22	0.1630	21.227	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	41	2035	2	23	0.1787	35.353	6.6500	4.7481	197.8148	6.30
0.036527											

1	1	41	2035	2	24	9.0251	77.456	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2035	2	25	9.3278	253.998	6.8800	4.9123	27.2301	6.45	0.000303
1	1	41	2035	2	26	0.2175	21.259	6.6500	4.7481	97.7390	4.36	0.003655
1	1	41	2035	2	27	0.1468	3.997	6.6500	4.7481	27.2301	6.18	0.007008
1	1	41	2035	2	28	0.2528	11.116	8.0600	5.7548	43.9743	17.00	0.002242
1	1	41	2035	3	1	0.1201	3.605	7.2800	5.3799	30.0117	24.10	0.281246
1	1	41	2035	3	2	0.1155	4.643	8.0600	5.7548	40.1957	18.50	0.101405
1	1	41	2035	3	3	0.1601	6.436	8.0600	5.7548	40.1957	18.50	0.337320
1	1	41	2035	3	4	0.2603	9.842	8.0600	5.7548	37.8166	14.20	0.103547
1	1	41	2035	3	5	0.2789	10.548	8.0600	5.7548	37.8166	14.20	0.047578
1	1	41	2035	3	6	0.1780	6.724	6.8800	4.9123	37.7707	10.13	0.027524
1	1	41	2035	3	7	0.2320	8.762	6.8800	4.9123	37.7707	9.39	0.000969
1	1	41	2035	3	8	0.2074	7.567	6.8800	4.9123	36.4932	9.35	0.000281
1	1	41	2035	3	9	0.2382	8.692	6.8800	4.9123	36.4931	8.01	0.000959
1	1	41	2035	3	10	0.2356	8.598	6.8800	4.9123	36.4932	8.14	0.001996
1	1	41	2035	3	11	0.2680	9.780	6.8800	4.9123	36.4932	7.45	0.000819
1	1	41	2035	3	12	0.2834	10.343	6.8800	4.9123	36.4932	7.07	0.000002
1	1	41	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2035	3	14	0.0206	0.619	7.2800	5.1979	30.0117	32.40	0.000028
1	1	41	2035	3	15	0.0330	1.594	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2035	3	16	0.1851	8.340	6.6500	4.7481	45.0549	12.96	0.008198
1	1	41	2035	3	17	0.2125	10.041	6.6500	4.7481	47.2522	11.66	0.002544
1	1	41	2035	3	18	0.2474	14.025	6.6500	4.7481	56.6821	10.20	0.002699
1	1	41	2035	3	19	0.2673	15.149	6.6500	4.7481	56.6821	9.88	0.001293
1	1	41	2035	3	20	0.3305	21.406	6.6500	4.7481	64.7605	8.71	0.006032
1	1	41	2035	3	21	0.4099	26.544	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2035	3	22	0.4694	61.122	6.6500	4.7481	130.2221	6.59	0.010278
1	1	41	2035	3	23	0.5156	102.003	6.6500	4.7481	197.8148	6.30	0.036527
1	1	41	2035	3	24	2.0337	17.454	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2035	3	25	0.3229	8.792	6.8800	4.9123	27.2301	6.45	0.000303
1	1	41	2035	3	26	0.6847	66.921	6.6500	4.7481	97.7390	4.36	0.003655
1	1	41	2035	3	27	0.5081	13.835	6.6500	4.7481	27.2301	6.18	0.007008
1	1	41	2035	3	28	0.0382	1.680	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	42	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	42	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	42	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	42	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	42	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	42	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	42	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	42	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	42	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	42	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	42	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	42	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028

1	1	42	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	42	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	42	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	42	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	42	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	42	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	42	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	42	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	42	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	42	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	42	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	42	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	42	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	42	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	42	2035	1	1	0.1175	3.526	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	42	2035	1	2	0.0939	3.773	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	42	2035	1	3	0.1399	5.625	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	42	2035	1	4	0.2148	8.122	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	42	2035	1	5	0.2129	8.050	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	42	2035	1	6	0.0960	3.624	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	42	2035	1	7	0.0903	3.412	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	42	2035	1	8	0.0839	3.063	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	42	2035	1	9	0.0922	3.365	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	42	2035	1	10	0.0918	3.350	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	42	2035	1	11	0.0974	3.555	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	42	2035	1	12	0.1035	3.777	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	42	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	42	2035	1	14	0.0196	0.589	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	42	2035	1	15	0.0368	1.779	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	42	2035	1	16	0.0753	3.392	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	42	2035	1	17	0.0860	4.063	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	42	2035	1	18	0.1004	5.691	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	42	2035	1	19	0.1084	6.145	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	42	2035	1	20	0.1340	8.680	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	42	2035	1	21	0.1661	10.755	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	42	2035	1	22	0.1901	24.756	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	42	2035	1	23	0.2088	41.303	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	42	2035	1	24	1.7543	15.055	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	42	2035	1	25	0.1279	3.483	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	42	2035	1	26	0.1720	16.806	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	42	2035	1	27	0.2061	5.613	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	42	2035	1	28	0.0593	2.607	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	42	2035	2	1	10.0785	302.474	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	42	2035	2	2	8.0454	323.392	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	42	2035	2	3	8.6294	346.864	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	42	2035	2	4	10.1241	382.859	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	42	2035	2	5	10.3698	392.150	8.0600	5.7548	37.8166	14.20
0.047578											

1	1	42	2035	2	6	4.4307	167.349	6.8800	4.9123	37.7707	10.13	0.027524
1	1	42	2035	2	7	5.7229	216.157	6.8800	4.9123	37.7707	9.39	0.000969
1	1	42	2035	2	8	5.5617	202.964	6.8800	4.9123	36.4932	9.35	0.000281
1	1	42	2035	2	9	6.4961	237.063	6.8800	4.9123	36.4931	8.01	0.000959
1	1	42	2035	2	10	6.4295	234.633	6.8800	4.9123	36.4932	8.14	0.001996
1	1	42	2035	2	11	7.6420	278.880	6.8800	4.9123	36.4932	7.45	0.000819
1	1	42	2035	2	12	8.1386	297.002	6.8800	4.9123	36.4932	7.07	0.000002
1	1	42	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2035	2	14	0.4451	13.358	7.2800	5.1979	30.0117	32.40	0.000028
1	1	42	2035	2	15	0.1909	9.216	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2035	2	16	0.0637	2.869	6.6500	4.7481	45.0549	12.96	0.008198
1	1	42	2035	2	17	0.0729	3.446	6.6500	4.7481	47.2522	11.66	0.002544
1	1	42	2035	2	18	0.0851	4.822	6.6500	4.7481	56.6821	10.20	0.002699
1	1	42	2035	2	19	0.0919	5.208	6.6500	4.7481	56.6821	9.88	0.001293
1	1	42	2035	2	20	0.0943	6.108	6.6500	4.7481	64.7605	8.71	0.006032
1	1	42	2035	2	21	0.1172	7.587	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2035	2	22	0.1614	21.018	6.6500	4.7481	130.2221	6.59	0.010278
1	1	42	2035	2	23	0.1770	35.005	6.6500	4.7481	197.8148	6.30	0.036527
1	1	42	2035	2	24	8.9291	76.631	1.3500	0.9639	8.5822	50.00	0.002374
1	1	42	2035	2	25	9.2894	252.951	6.8800	4.9123	27.2301	6.45	0.000303
1	1	42	2035	2	26	0.2154	21.049	6.6500	4.7481	97.7390	4.36	0.003655
1	1	42	2035	2	27	0.1454	3.958	6.6500	4.7481	27.2301	6.18	0.007008
1	1	42	2035	2	28	0.2513	11.051	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2035	3	1	0.1208	3.624	7.2800	5.3799	30.0117	24.10	0.281246
1	1	42	2035	3	2	0.1161	4.667	8.0600	5.7548	40.1957	18.50	0.101405
1	1	42	2035	3	3	0.1609	6.467	8.0600	5.7548	40.1957	18.50	0.337320
1	1	42	2035	3	4	0.2613	9.882	8.0600	5.7548	37.8166	14.20	0.103547
1	1	42	2035	3	5	0.2798	10.582	8.0600	5.7548	37.8166	14.20	0.047578
1	1	42	2035	3	6	0.1792	6.768	6.8800	4.9123	37.7707	10.13	0.027524
1	1	42	2035	3	7	0.2335	8.820	6.8800	4.9123	37.7707	9.39	0.000969
1	1	42	2035	3	8	0.2087	7.617	6.8800	4.9123	36.4932	9.35	0.000281
1	1	42	2035	3	9	0.2398	8.749	6.8800	4.9123	36.4931	8.01	0.000959
1	1	42	2035	3	10	0.2372	8.655	6.8800	4.9123	36.4932	8.14	0.001996
1	1	42	2035	3	11	0.2698	9.845	6.8800	4.9123	36.4932	7.45	0.000819
1	1	42	2035	3	12	0.2853	10.411	6.8800	4.9123	36.4932	7.07	0.000002
1	1	42	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2035	3	14	0.0208	0.625	7.2800	5.1979	30.0117	32.40	0.000028
1	1	42	2035	3	15	0.0334	1.611	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2035	3	16	0.1871	8.432	6.6500	4.7481	45.0549	12.96	0.008198
1	1	42	2035	3	17	0.2148	10.151	6.6500	4.7481	47.2522	11.66	0.002544
1	1	42	2035	3	18	0.2502	14.180	6.6500	4.7481	56.6821	10.20	0.002699
1	1	42	2035	3	19	0.2702	15.316	6.6500	4.7481	56.6821	9.88	0.001293
1	1	42	2035	3	20	0.3342	21.642	6.6500	4.7481	64.7605	8.71	0.006032
1	1	42	2035	3	21	0.4144	26.836	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2035	3	22	0.4745	61.795	6.6500	4.7481	130.2221	6.59	0.010278
1	1	42	2035	3	23	0.5213	103.125	6.6500	4.7481	197.8148	6.30	0.036527
1	1	42	2035	3	24	2.0404	17.512	1.3500	0.9639	8.5822	50.00	0.002374

1	1	42	2035	3	25	0.3250	8.850	6.8800	4.9123	27.2301	6.45	0.000303
1	1	42	2035	3	26	0.6922	67.658	6.6500	4.7481	97.7390	4.36	0.003655
1	1	42	2035	3	27	0.5137	13.988	6.6500	4.7481	27.2301	6.18	0.007008
1	1	42	2035	3	28	0.0386	1.698	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	43	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	43	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	43	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	43	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	43	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	43	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	43	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	43	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	43	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	43	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	43	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	43	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	43	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	43	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	43	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	43	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	43	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	43	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	43	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	43	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	43	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	43	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	43	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2035	1	1	0.1168	3.506	7.2800	5.3799	30.0117	24.10	0.281246
1	1	43	2035	1	2	0.0935	3.758	8.0600	5.7548	40.1957	18.50	0.101405
1	1	43	2035	1	3	0.1398	5.621	8.0600	5.7548	40.1957	18.50	0.337320
1	1	43	2035	1	4	0.2143	8.104	8.0600	5.7548	37.8166	14.20	0.103547
1	1	43	2035	1	5	0.2122	8.025	8.0600	5.7548	37.8166	14.20	0.047578
1	1	43	2035	1	6	0.0943	3.561	6.8800	4.9123	37.7707	10.13	0.027524
1	1	43	2035	1	7	0.0887	3.352	6.8800	4.9123	37.7707	9.39	0.000969
1	1	43	2035	1	8	0.0825	3.011	6.8800	4.9123	36.4932	9.35	0.000281
1	1	43	2035	1	9	0.0906	3.307	6.8800	4.9123	36.4931	8.01	0.000959
1	1	43	2035	1	10	0.0902	3.292	6.8800	4.9123	36.4932	8.14	0.001996
1	1	43	2035	1	11	0.0957	3.494	6.8800	4.9123	36.4932	7.45	0.000819
1	1	43	2035	1	12	0.1017	3.712	6.8800	4.9123	36.4932	7.07	0.000002
1	1	43	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2035	1	14	0.0195	0.584	7.2800	5.1979	30.0117	32.40	0.000028
1	1	43	2035	1	15	0.0365	1.762	8.0600	5.7548	48.2848	22.10	0.004518

1	1	43	2035	1	16	0.0743	3.345	6.6500	4.7481	45.0549	12.96	0.008198
1	1	43	2035	1	17	0.0848	4.006	6.6500	4.7481	47.2522	11.66	0.002544
1	1	43	2035	1	18	0.0990	5.612	6.6500	4.7481	56.6821	10.20	0.002699
1	1	43	2035	1	19	0.1069	6.059	6.6500	4.7481	56.6821	9.88	0.001293
1	1	43	2035	1	20	0.1322	8.560	6.6500	4.7481	64.7605	8.71	0.006032
1	1	43	2035	1	21	0.1638	10.606	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2035	1	22	0.1875	24.413	6.6500	4.7481	130.2221	6.59	0.010278
1	1	43	2035	1	23	0.2059	40.730	6.6500	4.7481	197.8148	6.30	0.036527
1	1	43	2035	1	24	1.7503	15.021	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2035	1	25	0.1255	3.418	6.8800	4.9123	27.2301	6.45	0.000303
1	1	43	2035	1	26	0.1696	16.573	6.6500	4.7481	97.7390	4.36	0.003655
1	1	43	2035	1	27	0.2033	5.535	6.6500	4.7481	27.2301	6.18	0.007008
1	1	43	2035	1	28	0.0587	2.582	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2035	2	1	10.1326	304.095	7.2800	5.3799	30.0117	24.10	0.281246
1	1	43	2035	2	2	8.0981	325.509	8.0600	5.7548	40.1957	18.50	0.101405
1	1	43	2035	2	3	8.6863	349.150	8.0600	5.7548	40.1957	18.50	0.337320
1	1	43	2035	2	4	10.1956	385.562	8.0600	5.7548	37.8166	14.20	0.103547
1	1	43	2035	2	5	10.4425	394.899	8.0600	5.7548	37.8166	14.20	0.047578
1	1	43	2035	2	6	4.4625	168.551	6.8800	4.9123	37.7707	10.13	0.027524
1	1	43	2035	2	7	5.7640	217.709	6.8800	4.9123	37.7707	9.39	0.000969
1	1	43	2035	2	8	5.6016	204.421	6.8800	4.9123	36.4932	9.35	0.000281
1	1	43	2035	2	9	6.5427	238.765	6.8800	4.9123	36.4931	8.01	0.000959
1	1	43	2035	2	10	6.4757	236.318	6.8800	4.9123	36.4932	8.14	0.001996
1	1	43	2035	2	11	7.6969	280.882	6.8800	4.9123	36.4932	7.45	0.000819
1	1	43	2035	2	12	8.1970	299.135	6.8800	4.9123	36.4932	7.07	0.000002
1	1	43	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2035	2	14	0.4447	13.346	7.2800	5.1979	30.0117	32.40	0.000028
1	1	43	2035	2	15	0.1907	9.206	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2035	2	16	0.0636	2.865	6.6500	4.7481	45.0549	12.96	0.008198
1	1	43	2035	2	17	0.0728	3.440	6.6500	4.7481	47.2522	11.66	0.002544
1	1	43	2035	2	18	0.0849	4.814	6.6500	4.7481	56.6821	10.20	0.002699
1	1	43	2035	2	19	0.0917	5.199	6.6500	4.7481	56.6821	9.88	0.001293
1	1	43	2035	2	20	0.0942	6.097	6.6500	4.7481	64.7605	8.71	0.006032
1	1	43	2035	2	21	0.1170	7.575	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2035	2	22	0.1611	20.983	6.6500	4.7481	130.2221	6.59	0.010278
1	1	43	2035	2	23	0.1767	34.946	6.6500	4.7481	197.8148	6.30	0.036527
1	1	43	2035	2	24	8.8821	76.228	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2035	2	25	9.3561	254.768	6.8800	4.9123	27.2301	6.45	0.000303
1	1	43	2035	2	26	0.2150	21.014	6.6500	4.7481	97.7390	4.36	0.003655
1	1	43	2035	2	27	0.1451	3.951	6.6500	4.7481	27.2301	6.18	0.007008
1	1	43	2035	2	28	0.2510	11.040	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2035	3	1	0.1215	3.646	7.2800	5.3799	30.0117	24.10	0.281246
1	1	43	2035	3	2	0.1168	4.696	8.0600	5.7548	40.1957	18.50	0.101405
1	1	43	2035	3	3	0.1618	6.504	8.0600	5.7548	40.1957	18.50	0.337320
1	1	43	2035	3	4	0.2626	9.930	8.0600	5.7548	37.8166	14.20	0.103547
1	1	43	2035	3	5	0.2809	10.622	8.0600	5.7548	37.8166	14.20	0.047578
1	1	43	2035	3	6	0.1806	6.821	6.8800	4.9123	37.7707	10.13	0.027524

1	1	43	2035	3	7	0.2353	8.889	6.8800	4.9123	37.7707	9.39	0.000969
1	1	43	2035	3	8	0.2104	7.677	6.8800	4.9123	36.4932	9.35	0.000281
1	1	43	2035	3	9	0.2416	8.818	6.8800	4.9123	36.4931	8.01	0.000959
1	1	43	2035	3	10	0.2390	8.723	6.8800	4.9123	36.4932	8.14	0.001996
1	1	43	2035	3	11	0.2719	9.922	6.8800	4.9123	36.4932	7.45	0.000819
1	1	43	2035	3	12	0.2875	10.493	6.8800	4.9123	36.4932	7.07	0.000002
1	1	43	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2035	3	14	0.0213	0.639	7.2800	5.1979	30.0117	32.40	0.000028
1	1	43	2035	3	15	0.0341	1.646	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2035	3	16	0.1913	8.619	6.6500	4.7481	45.0549	12.96	0.008198
1	1	43	2035	3	17	0.2196	10.377	6.6500	4.7481	47.2522	11.66	0.002544
1	1	43	2035	3	18	0.2557	14.494	6.6500	4.7481	56.6821	10.20	0.002699
1	1	43	2035	3	19	0.2762	15.656	6.6500	4.7481	56.6821	9.88	0.001293
1	1	43	2035	3	20	0.3416	22.122	6.6500	4.7481	64.7605	8.71	0.006032
1	1	43	2035	3	21	0.4236	27.432	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2035	3	22	0.4851	63.167	6.6500	4.7481	130.2221	6.59	0.010278
1	1	43	2035	3	23	0.5329	105.415	6.6500	4.7481	197.8148	6.30	0.036527
1	1	43	2035	3	24	2.0657	17.728	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2035	3	25	0.3276	8.919	6.8800	4.9123	27.2301	6.45	0.000303
1	1	43	2035	3	26	0.7076	69.160	6.6500	4.7481	97.7390	4.36	0.003655
1	1	43	2035	3	27	0.5251	14.298	6.6500	4.7481	27.2301	6.18	0.007008
1	1	43	2035	3	28	0.0394	1.734	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	44	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303

1	1	44	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2035	1	1	0.1162	3.487	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2035	1	2	0.0931	3.743	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2035	1	3	0.1397	5.617	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2035	1	4	0.2138	8.087	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2035	1	5	0.2116	8.002	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2035	1	6	0.0926	3.499	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2035	1	7	0.0872	3.295	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2035	1	8	0.0812	2.961	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2035	1	9	0.0891	3.252	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2035	1	10	0.0887	3.237	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2035	1	11	0.0941	3.435	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2035	1	12	0.1000	3.649	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2035	1	14	0.0193	0.579	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2035	1	15	0.0361	1.745	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2035	1	16	0.0732	3.300	6.6500	4.7481	45.0549	12.96	0.008198
1	1	44	2035	1	17	0.0836	3.952	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2035	1	18	0.0977	5.536	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2035	1	19	0.1055	5.978	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2035	1	20	0.1304	8.444	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2035	1	21	0.1616	10.463	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2035	1	22	0.1849	24.083	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2035	1	23	0.2031	40.181	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2035	1	24	1.7464	14.988	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2035	1	25	0.1232	3.355	6.8800	4.9123	27.2301	6.45	0.000303
1	1	44	2035	1	26	0.1673	16.350	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2035	1	27	0.2005	5.460	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2035	1	28	0.0582	2.558	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2035	2	1	10.1843	305.648	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2035	2	2	8.1485	327.536	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2035	2	3	8.7407	351.339	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2035	2	4	10.2640	388.150	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2035	2	5	10.5120	397.530	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2035	2	6	4.4929	169.702	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2035	2	7	5.8033	219.195	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2035	2	8	5.6399	205.817	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2035	2	9	6.5874	240.395	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2035	2	10	6.5199	237.931	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2035	2	11	7.7494	282.800	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2035	2	12	8.2530	301.177	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2035	2	14	0.4443	13.334	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2035	2	15	0.1905	9.197	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2035	2	16	0.0635	2.860	6.6500	4.7481	45.0549	12.96	0.008198

1	1	44	2035	2	17	0.0727	3.434	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2035	2	18	0.0848	4.806	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2035	2	19	0.0916	5.191	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2035	2	20	0.0940	6.088	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2035	2	21	0.1168	7.562	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2035	2	22	0.1609	20.949	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2035	2	23	0.1764	34.890	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2035	2	24	8.8371	75.842	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2035	2	25	9.4200	256.507	6.8800	4.9123	27.2301	6.45	0.000303
1	1	44	2035	2	26	0.2147	20.980	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2035	2	27	0.1449	3.945	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2035	2	28	0.2508	11.029	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2035	3	1	0.1222	3.667	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2035	3	2	0.1175	4.724	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2035	3	3	0.1627	6.540	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2035	3	4	0.2638	9.976	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2035	3	5	0.2819	10.660	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2035	3	6	0.1819	6.872	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2035	3	7	0.2371	8.955	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2035	3	8	0.2119	7.734	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2035	3	9	0.2434	8.884	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2035	3	10	0.2408	8.788	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2035	3	11	0.2739	9.996	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2035	3	12	0.2897	10.571	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2035	3	14	0.0217	0.651	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2035	3	15	0.0348	1.680	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2035	3	16	0.1953	8.798	6.6500	4.7481	45.0549	12.96	0.008198
1	1	44	2035	3	17	0.2242	10.592	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2035	3	18	0.2610	14.796	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2035	3	19	0.2820	15.982	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2035	3	20	0.3487	22.582	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2035	3	21	0.4324	28.002	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2035	3	22	0.4952	64.481	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2035	3	23	0.5440	107.607	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2035	3	24	2.0898	17.935	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2035	3	25	0.3300	8.986	6.8800	4.9123	27.2301	6.45	0.000303
1	1	44	2035	3	26	0.7223	70.599	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2035	3	27	0.5360	14.596	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2035	3	28	0.0402	1.770	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969

1	1	45	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	45	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	45	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2035	1	1	0.1156	3.469	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2035	1	2	0.0928	3.728	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2035	1	3	0.1397	5.614	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2035	1	4	0.2134	8.070	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2035	1	5	0.2110	7.980	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2035	1	6	0.0911	3.441	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2035	1	7	0.0858	3.240	6.8800	4.9123	37.7707	9.39	0.000969
1	1	45	2035	1	8	0.0798	2.914	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2035	1	9	0.0877	3.199	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2035	1	10	0.0873	3.185	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2035	1	11	0.0926	3.379	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2035	1	12	0.0983	3.589	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2035	1	14	0.0191	0.574	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2035	1	15	0.0358	1.729	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2035	1	16	0.0723	3.257	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2035	1	17	0.0825	3.900	6.6500	4.7481	47.2522	11.66	0.002544
1	1	45	2035	1	18	0.0964	5.463	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2035	1	19	0.1041	5.899	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2035	1	20	0.1287	8.334	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2035	1	21	0.1594	10.326	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2035	1	22	0.1825	23.768	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2035	1	23	0.2005	39.655	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2035	1	24	1.7428	14.957	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2035	1	25	0.1210	3.295	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2035	1	26	0.1651	16.135	6.6500	4.7481	97.7390	4.36	0.003655

1	1	45	2035	1	27	0.1979	5.389	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2035	1	28	0.0577	2.536	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2035	2	1	10.2338	307.135	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2035	2	2	8.1968	329.478	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2035	2	3	8.7929	353.437	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2035	2	4	10.3296	390.631	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2035	2	5	10.5787	400.053	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2035	2	6	4.5221	170.804	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2035	2	7	5.8410	220.619	6.8800	4.9123	37.7707	9.39	0.000969
1	1	45	2035	2	8	5.6765	207.154	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2035	2	9	6.6302	241.957	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2035	2	10	6.5623	239.477	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2035	2	11	7.7997	284.637	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2035	2	12	8.3066	303.134	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2035	2	14	0.4439	13.323	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2035	2	15	0.1903	9.188	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2035	2	16	0.0634	2.855	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2035	2	17	0.0726	3.429	6.6500	4.7481	47.2522	11.66	0.002544
1	1	45	2035	2	18	0.0847	4.799	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2035	2	19	0.0914	5.183	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2035	2	20	0.0939	6.078	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2035	2	21	0.1166	7.551	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2035	2	22	0.1606	20.916	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2035	2	23	0.1761	34.836	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2035	2	24	8.7940	75.472	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2035	2	25	9.4812	258.174	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2035	2	26	0.2143	20.948	6.6500	4.7481	97.7390	4.36	0.003655
1	1	45	2035	2	27	0.1447	3.939	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2035	2	28	0.2506	11.019	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2035	3	1	0.1229	3.687	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2035	3	2	0.1182	4.751	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2035	3	3	0.1635	6.574	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2035	3	4	0.2650	10.020	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2035	3	5	0.2829	10.697	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2035	3	6	0.1832	6.921	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2035	3	7	0.2388	9.018	6.8800	4.9123	37.7707	9.39	0.000969
1	1	45	2035	3	8	0.2134	7.789	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2035	3	9	0.2452	8.947	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2035	3	10	0.2425	8.850	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2035	3	11	0.2758	10.067	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2035	3	12	0.2917	10.646	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2035	3	14	0.0221	0.664	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2035	3	15	0.0355	1.712	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2035	3	16	0.1991	8.970	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2035	3	17	0.2285	10.799	6.6500	4.7481	47.2522	11.66	0.002544

1	1	45	2035	3	18	0.2661	15.085	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2035	3	19	0.2875	16.294	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2035	3	20	0.3555	23.023	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2035	3	21	0.4408	28.549	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2035	3	22	0.5048	65.740	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2035	3	23	0.5546	109.708	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2035	3	24	2.1129	18.134	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2035	3	25	0.3323	9.050	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2035	3	26	0.7364	71.977	6.6500	4.7481	97.7390	4.36	0.003655
1	1	45	2035	3	27	0.5465	14.881	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2035	3	28	0.0410	1.803	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	46	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	46	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2035	1	1	0.1150	3.452	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2035	1	2	0.0924	3.715	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2035	1	3	0.1396	5.610	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2035	1	4	0.2130	8.054	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2035	1	5	0.2105	7.959	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2035	1	6	0.0896	3.385	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2035	1	7	0.0844	3.187	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2035	1	8	0.0786	2.868	6.8800	4.9123	36.4932	9.35	0.000281

1	1	46	2035	1	9	0.0863	3.148	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2035	1	10	0.0859	3.134	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2035	1	11	0.0911	3.325	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2035	1	12	0.0968	3.531	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2035	1	14	0.0190	0.570	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2035	1	15	0.0355	1.714	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2035	1	16	0.0714	3.216	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2035	1	17	0.0815	3.851	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2035	1	18	0.0952	5.394	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2035	1	19	0.1028	5.824	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2035	1	20	0.1270	8.228	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2035	1	21	0.1574	10.194	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2035	1	22	0.1802	23.465	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2035	1	23	0.1979	39.150	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2035	1	24	1.7393	14.927	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2035	1	25	0.1189	3.238	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2035	1	26	0.1630	15.930	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2035	1	27	0.1954	5.320	6.6500	4.7481	27.2301	6.18	0.007008
1	1	46	2035	1	28	0.0572	2.514	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2035	2	1	10.2814	308.562	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2035	2	2	8.2432	331.341	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2035	2	3	8.8430	355.449	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2035	2	4	10.3925	393.010	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2035	2	5	10.6427	402.472	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2035	2	6	4.5501	171.862	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2035	2	7	5.8772	221.986	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2035	2	8	5.7117	208.437	6.8800	4.9123	36.4932	9.35	0.000281
1	1	46	2035	2	9	6.6713	243.455	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2035	2	10	6.6029	240.960	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2035	2	11	7.8480	286.400	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2035	2	12	8.3580	305.011	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2035	2	14	0.4436	13.313	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2035	2	15	0.1901	9.180	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2035	2	16	0.0633	2.851	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2035	2	17	0.0725	3.424	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2035	2	18	0.0845	4.792	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2035	2	19	0.0913	5.175	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2035	2	20	0.0937	6.069	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2035	2	21	0.1164	7.540	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2035	2	22	0.1604	20.885	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2035	2	23	0.1758	34.784	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2035	2	24	8.7527	75.118	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2035	2	25	9.5399	259.772	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2035	2	26	0.2140	20.917	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2035	2	27	0.1444	3.933	6.6500	4.7481	27.2301	6.18	0.007008

1	1	46	2035	2	28	0.2504	11.009	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2035	3	1	0.1235	3.707	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2035	3	2	0.1188	4.777	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2035	3	3	0.1643	6.606	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2035	3	4	0.2661	10.063	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2035	3	5	0.2838	10.732	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2035	3	6	0.1845	6.968	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2035	3	7	0.2404	9.079	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2035	3	8	0.2149	7.841	6.8800	4.9123	36.4932	9.35	0.000281
1	1	46	2035	3	9	0.2468	9.007	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2035	3	10	0.2442	8.910	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2035	3	11	0.2777	10.134	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2035	3	12	0.2937	10.717	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2035	3	14	0.0225	0.676	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2035	3	15	0.0361	1.743	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2035	3	16	0.2027	9.135	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2035	3	17	0.2327	10.998	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2035	3	18	0.2710	15.362	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2035	3	19	0.2927	16.593	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2035	3	20	0.3620	23.446	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2035	3	21	0.4489	29.073	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2035	3	22	0.5141	66.947	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2035	3	23	0.5648	111.724	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2035	3	24	2.1351	18.324	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2035	3	25	0.3346	9.111	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2035	3	26	0.7499	73.299	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2035	3	27	0.5565	15.154	6.6500	4.7481	27.2301	6.18	0.007008
1	1	46	2035	3	28	0.0417	1.835	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	47	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699

1	1	47	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2035	1	1	0.1144	3.435	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2035	1	2	0.0921	3.701	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2035	1	3	0.1395	5.607	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2035	1	4	0.2126	8.039	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2035	1	5	0.2099	7.938	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2035	1	6	0.0882	3.331	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2035	1	7	0.0830	3.137	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2035	1	8	0.0774	2.824	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2035	1	9	0.0849	3.099	6.8800	4.9123	36.4931	8.01	0.000959
1	1	47	2035	1	10	0.0846	3.086	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2035	1	11	0.0897	3.274	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2035	1	12	0.0953	3.476	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2035	1	14	0.0188	0.566	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2035	1	15	0.0352	1.699	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2035	1	16	0.0705	3.176	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2035	1	17	0.0805	3.803	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2035	1	18	0.0940	5.327	6.6500	4.7481	56.6821	10.20	0.002699
1	1	47	2035	1	19	0.1015	5.752	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2035	1	20	0.1255	8.126	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2035	1	21	0.1555	10.068	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2035	1	22	0.1780	23.175	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2035	1	23	0.1955	38.665	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2035	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2035	1	25	0.1169	3.183	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2035	1	26	0.1610	15.733	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2035	1	27	0.1930	5.254	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2035	1	28	0.0567	2.493	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2035	2	1	10.3270	309.931	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2035	2	2	8.2877	333.129	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2035	2	3	8.8910	357.381	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2035	2	4	10.4529	395.294	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2035	2	5	10.7041	404.795	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2035	2	6	4.5770	172.877	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2035	2	7	5.9119	223.297	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2035	2	8	5.7454	209.668	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2035	2	9	6.7107	244.894	6.8800	4.9123	36.4931	8.01	0.000959

1	1	47	2035	2	10	6.6419	242.384	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2035	2	11	7.8944	288.092	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2035	2	12	8.4074	306.813	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2035	2	14	0.4432	13.303	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2035	2	15	0.1900	9.172	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2035	2	16	0.0632	2.847	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2035	2	17	0.0724	3.419	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2035	2	18	0.0844	4.785	6.6500	4.7481	56.6821	10.20	0.002699
1	1	47	2035	2	19	0.0912	5.168	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2035	2	20	0.0936	6.061	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2035	2	21	0.1163	7.529	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2035	2	22	0.1602	20.856	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2035	2	23	0.1756	34.734	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2035	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2035	2	25	9.5962	261.307	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2035	2	26	0.2137	20.887	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2035	2	27	0.1442	3.928	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2035	2	28	0.2501	11.000	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2035	3	1	0.1241	3.726	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2035	3	2	0.1195	4.801	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2035	3	3	0.1651	6.637	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2035	3	4	0.2672	10.103	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2035	3	5	0.2847	10.766	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2035	3	6	0.1857	7.012	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2035	3	7	0.2419	9.138	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2035	3	8	0.2162	7.892	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2035	3	9	0.2484	9.065	6.8800	4.9123	36.4931	8.01	0.000959
1	1	47	2035	3	10	0.2457	8.967	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2035	3	11	0.2795	10.200	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2035	3	12	0.2956	10.786	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2035	3	14	0.0229	0.687	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2035	3	15	0.0367	1.772	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2035	3	16	0.2063	9.293	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2035	3	17	0.2368	11.188	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2035	3	18	0.2757	15.628	6.6500	4.7481	56.6821	10.20	0.002699
1	1	47	2035	3	19	0.2978	16.880	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2035	3	20	0.3683	23.852	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2035	3	21	0.4567	29.577	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2035	3	22	0.5230	68.107	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2035	3	23	0.5746	113.658	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2035	3	24	2.1565	18.507	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2035	3	25	0.3367	9.169	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2035	3	26	0.7629	74.568	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2035	3	27	0.5661	15.416	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2035	3	28	0.0424	1.866	8.0600	5.7548	43.9743	17.00	0.002242

1	1	48	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	48	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	48	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2035	1	1	0.1137	3.413	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2035	1	2	0.0917	3.684	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2035	1	3	0.1394	5.601	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2035	1	4	0.2120	8.019	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2035	1	5	0.2092	7.912	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2035	1	6	0.0869	3.283	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2035	1	7	0.0818	3.091	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2035	1	8	0.0763	2.784	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2035	1	9	0.0838	3.057	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2035	1	10	0.0834	3.043	6.8800	4.9123	36.4932	8.14	0.001996
1	1	48	2035	1	11	0.0885	3.229	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2035	1	12	0.0940	3.429	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2035	1	14	0.0187	0.562	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2035	1	15	0.0350	1.688	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2035	1	16	0.0698	3.146	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2035	1	17	0.0797	3.768	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2035	1	18	0.0931	5.278	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2035	1	19	0.1005	5.699	6.6500	4.7481	56.6821	9.88	0.001293

1	1	48	2035	1	20	0.1243	8.050	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2035	1	21	0.1540	9.975	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2035	1	22	0.1763	22.960	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2035	1	23	0.1936	38.306	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2035	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2035	1	25	0.1150	3.131	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2035	1	26	0.1595	15.587	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2035	1	27	0.1912	5.206	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2035	1	28	0.0563	2.478	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2035	2	1	10.3806	311.540	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2035	2	2	8.3399	335.229	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2035	2	3	8.9475	359.649	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2035	2	4	10.5238	397.976	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2035	2	5	10.7763	407.522	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2035	2	6	4.6673	176.287	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2035	2	7	6.0285	227.701	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2035	2	8	5.8587	213.804	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2035	2	9	6.8430	249.724	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2035	2	10	6.7729	247.164	6.8800	4.9123	36.4932	8.14	0.001996
1	1	48	2035	2	11	8.0501	293.774	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2035	2	12	8.5732	312.864	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2035	2	14	0.4452	13.361	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2035	2	15	0.1909	9.219	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2035	2	16	0.0637	2.871	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2035	2	17	0.0730	3.447	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2035	2	18	0.0851	4.825	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2035	2	19	0.0919	5.211	6.6500	4.7481	56.6821	9.88	0.001293
1	1	48	2035	2	20	0.0944	6.111	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2035	2	21	0.1172	7.591	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2035	2	22	0.1615	21.029	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2035	2	23	0.1770	35.023	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2035	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2035	2	25	9.7855	266.461	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2035	2	26	0.2155	21.060	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2035	2	27	0.1454	3.960	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2035	2	28	0.2514	11.054	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2035	3	1	0.1249	3.748	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2035	3	2	0.1202	4.831	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2035	3	3	0.1661	6.675	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2035	3	4	0.2685	10.152	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2035	3	5	0.2858	10.808	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2035	3	6	0.1871	7.065	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2035	3	7	0.2437	9.206	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2035	3	8	0.2179	7.951	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2035	3	9	0.2503	9.133	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2035	3	10	0.2476	9.034	6.8800	4.9123	36.4932	8.14	0.001996

1	1	48	2035	3	11	0.2816	10.276	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2035	3	12	0.2978	10.867	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2035	3	14	0.0236	0.707	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2035	3	15	0.0378	1.825	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2035	3	16	0.2126	9.577	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2035	3	17	0.2440	11.531	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2035	3	18	0.2842	16.106	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2035	3	19	0.3069	17.397	6.6500	4.7481	56.6821	9.88	0.001293
1	1	48	2035	3	20	0.3796	24.582	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2035	3	21	0.4707	30.482	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2035	3	22	0.5390	70.192	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2035	3	23	0.5922	117.138	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2035	3	24	2.2047	18.921	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2035	3	25	0.3393	9.238	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2035	3	26	0.7863	76.852	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2035	3	27	0.5835	15.888	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2035	3	28	0.0437	1.922	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	49	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	49	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2035	1	1	0.1130	3.392	7.2800	5.3799	30.0117	24.10	0.281246

1	1	49	2035	1	2	0.0913	3.668	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2035	1	3	0.1392	5.596	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2035	1	4	0.2115	7.999	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2035	1	5	0.2085	7.887	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2035	1	6	0.0857	3.236	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2035	1	7	0.0806	3.046	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2035	1	8	0.0752	2.746	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2035	1	9	0.0826	3.016	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2035	1	10	0.0823	3.002	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2035	1	11	0.0873	3.186	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2035	1	12	0.0927	3.385	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2035	1	14	0.0186	0.559	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2035	1	15	0.0347	1.677	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2035	1	16	0.0692	3.118	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2035	1	17	0.0790	3.734	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2035	1	18	0.0923	5.230	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2035	1	19	0.0996	5.647	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2035	1	20	0.1232	7.978	6.6500	4.7481	64.7605	8.71	0.006032
1	1	49	2035	1	21	0.1526	9.885	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2035	1	22	0.1747	22.753	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2035	1	23	0.1919	37.961	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2035	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2035	1	25	0.1132	3.082	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2035	1	26	0.1580	15.446	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2035	1	27	0.1894	5.159	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2035	1	28	0.0560	2.463	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2035	2	1	10.4321	313.086	7.2800	5.3799	30.0117	24.10	0.281246
1	1	49	2035	2	2	8.3902	337.248	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2035	2	3	9.0017	361.830	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2035	2	4	10.5920	400.555	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2035	2	5	10.8456	410.144	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2035	2	6	4.7541	179.566	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2035	2	7	6.1406	231.936	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2035	2	8	5.9677	217.780	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2035	2	9	6.9703	254.368	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2035	2	10	6.8989	251.761	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2035	2	11	8.1998	299.238	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2035	2	12	8.7327	318.683	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2035	2	14	0.4471	13.417	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2035	2	15	0.1919	9.264	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2035	2	16	0.0642	2.894	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2035	2	17	0.0735	3.475	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2035	2	18	0.0858	4.863	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2035	2	19	0.0927	5.252	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2035	2	20	0.0951	6.159	6.6500	4.7481	64.7605	8.71	0.006032

1	1	49	2035	2	21	0.1181	7.651	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2035	2	22	0.1628	21.195	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2035	2	23	0.1784	35.300	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2035	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2035	2	25	9.9675	271.416	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2035	2	26	0.2172	21.227	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2035	2	27	0.1466	3.991	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2035	2	28	0.2526	11.106	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2035	3	1	0.1256	3.769	7.2800	5.3799	30.0117	24.10	0.281246
1	1	49	2035	3	2	0.1209	4.859	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2035	3	3	0.1670	6.711	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2035	3	4	0.2697	10.200	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2035	3	5	0.2869	10.849	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2035	3	6	0.1884	7.116	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2035	3	7	0.2455	9.272	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2035	3	8	0.2194	8.008	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2035	3	9	0.2521	9.198	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2035	3	10	0.2493	9.099	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2035	3	11	0.2836	10.350	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2035	3	12	0.2999	10.945	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2035	3	14	0.0242	0.727	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2035	3	15	0.0389	1.876	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2035	3	16	0.2186	9.851	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2035	3	17	0.2510	11.860	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2035	3	18	0.2923	16.566	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2035	3	19	0.3157	17.894	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2035	3	20	0.3904	25.285	6.6500	4.7481	64.7605	8.71	0.006032
1	1	49	2035	3	21	0.4841	31.353	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2035	3	22	0.5544	72.197	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2035	3	23	0.6091	120.485	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2035	3	24	2.2510	19.319	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2035	3	25	0.3417	9.304	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2035	3	26	0.8088	79.047	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2035	3	27	0.6002	16.342	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2035	3	28	0.0449	1.976	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	50	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819

1	1	50	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2035	1	1	0.1124	3.372	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2035	1	2	0.0909	3.652	8.0600	5.7548	40.1957	18.50	0.101405
1	1	50	2035	1	3	0.1391	5.591	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2035	1	4	0.2110	7.981	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2035	1	5	0.2079	7.862	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2035	1	6	0.0845	3.191	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2035	1	7	0.0795	3.003	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2035	1	8	0.0742	2.709	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2035	1	9	0.0816	2.976	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2035	1	10	0.0812	2.963	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2035	1	11	0.0862	3.145	6.8800	4.9123	36.4932	7.45	0.000819
1	1	50	2035	1	12	0.0916	3.342	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2035	1	14	0.0185	0.556	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2035	1	15	0.0345	1.667	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2035	1	16	0.0686	3.091	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2035	1	17	0.0783	3.701	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2035	1	18	0.0915	5.184	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2035	1	19	0.0988	5.598	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2035	1	20	0.1221	7.908	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2035	1	21	0.1513	9.798	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2035	1	22	0.1732	22.554	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2035	1	23	0.1902	37.629	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2035	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2035	1	25	0.1115	3.035	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2035	1	26	0.1567	15.311	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2035	1	27	0.1878	5.114	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2035	1	28	0.0557	2.449	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2035	2	1	10.4817	314.575	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2035	2	2	8.4385	339.192	8.0600	5.7548	40.1957	18.50	0.101405

1	1	50	2035	2	3	9.0539	363.929	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2035	2	4	10.6577	403.037	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2035	2	5	10.9123	412.668	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2035	2	6	4.8376	182.720	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2035	2	7	6.2485	236.011	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2035	2	8	6.0725	221.606	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2035	2	9	7.0928	258.837	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2035	2	10	7.0201	256.184	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2035	2	11	8.3439	304.495	6.8800	4.9123	36.4932	7.45	0.000819
1	1	50	2035	2	12	8.8861	324.282	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2035	2	14	0.4489	13.472	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2035	2	15	0.1928	9.307	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2035	2	16	0.0647	2.915	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2035	2	17	0.0741	3.501	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2035	2	18	0.0864	4.900	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2035	2	19	0.0934	5.292	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2035	2	20	0.0958	6.206	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2035	2	21	0.1190	7.709	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2035	2	22	0.1640	21.355	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2035	2	23	0.1798	35.566	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2035	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2035	2	25	10.1426	276.185	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2035	2	26	0.2188	21.387	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2035	2	27	0.1477	4.022	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2035	2	28	0.2537	11.156	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2035	3	1	0.1263	3.790	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2035	3	2	0.1216	4.887	8.0600	5.7548	40.1957	18.50	0.101405
1	1	50	2035	3	3	0.1678	6.746	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2035	3	4	0.2709	10.245	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2035	3	5	0.2879	10.888	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2035	3	6	0.1897	7.164	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2035	3	7	0.2472	9.336	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2035	3	8	0.2209	8.063	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2035	3	9	0.2538	9.261	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2035	3	10	0.2510	9.162	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2035	3	11	0.2856	10.421	6.8800	4.9123	36.4932	7.45	0.000819
1	1	50	2035	3	12	0.3020	11.020	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2035	3	14	0.0248	0.746	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2035	3	15	0.0399	1.925	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2035	3	16	0.2245	10.114	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2035	3	17	0.2577	12.177	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2035	3	18	0.3001	17.009	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2035	3	19	0.3241	18.372	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2035	3	20	0.4009	25.960	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2035	3	21	0.4971	32.191	6.6500	4.7481	64.7605	7.53	0.008655

1	1	50	2035	3	22	0.5692	74.127	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2035	3	23	0.6254	123.705	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2035	3	24	2.2956	19.701	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2035	3	25	0.3440	9.368	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2035	3	26	0.8304	81.160	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2035	3	27	0.6162	16.779	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2035	3	28	0.0461	2.028	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	51	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	51	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2035	1	1	0.1117	3.353	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2035	1	2	0.0905	3.637	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2035	1	3	0.1390	5.587	8.0600	5.7548	40.1957	18.50	0.337320
1	1	51	2035	1	4	0.2106	7.963	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2035	1	5	0.2073	7.839	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2035	1	6	0.0834	3.148	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2035	1	7	0.0784	2.962	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2035	1	8	0.0733	2.674	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2035	1	9	0.0805	2.938	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2035	1	10	0.0802	2.925	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2035	1	11	0.0851	3.106	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2035	1	12	0.0904	3.300	6.8800	4.9123	36.4932	7.07	0.000002

1	1	51	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2035	1	14	0.0184	0.553	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2035	1	15	0.0343	1.658	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2035	1	16	0.0680	3.064	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2035	1	17	0.0777	3.670	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2035	1	18	0.0907	5.140	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2035	1	19	0.0979	5.550	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2035	1	20	0.1211	7.841	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2035	1	21	0.1500	9.715	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2035	1	22	0.1717	22.362	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2035	1	23	0.1886	37.309	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2035	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2035	1	25	0.1098	2.989	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2035	1	26	0.1553	15.181	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2035	1	27	0.1862	5.070	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2035	1	28	0.0554	2.435	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2035	2	1	10.5295	316.008	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2035	2	2	8.4851	341.063	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2035	2	3	9.1042	365.950	8.0600	5.7548	40.1957	18.50	0.337320
1	1	51	2035	2	4	10.7208	405.427	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2035	2	5	10.9766	415.098	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2035	2	6	4.9181	185.758	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2035	2	7	6.3524	239.935	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2035	2	8	6.1735	225.290	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2035	2	9	7.2107	263.140	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2035	2	10	7.1368	260.444	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2035	2	11	8.4826	309.557	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2035	2	12	9.0338	329.673	6.8800	4.9123	36.4932	7.07	0.000002
1	1	51	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2035	2	14	0.4506	13.524	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2035	2	15	0.1936	9.349	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2035	2	16	0.0652	2.936	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2035	2	17	0.0746	3.526	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2035	2	18	0.0871	4.935	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2035	2	19	0.0940	5.330	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2035	2	20	0.0965	6.251	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2035	2	21	0.1199	7.765	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2035	2	22	0.1652	21.509	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2035	2	23	0.1811	35.823	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2035	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2035	2	25	10.3113	280.777	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2035	2	26	0.2204	21.541	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2035	2	27	0.1488	4.051	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2035	2	28	0.2548	11.204	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2035	3	1	0.1269	3.810	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2035	3	2	0.1222	4.913	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2035	3	3	0.1687	6.780	8.0600	5.7548	40.1957	18.50	0.337320

1	1	51	2035	3	4	0.2721	10.289	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2035	3	5	0.2889	10.926	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2035	3	6	0.1909	7.211	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2035	3	7	0.2488	9.397	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2035	3	8	0.2224	8.115	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2035	3	9	0.2554	9.322	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2035	3	10	0.2527	9.221	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2035	3	11	0.2874	10.489	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2035	3	12	0.3040	11.092	6.8800	4.9123	36.4932	7.07	0.000002
1	1	51	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2035	3	14	0.0255	0.764	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2035	3	15	0.0409	1.973	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2035	3	16	0.2301	10.368	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2035	3	17	0.2642	12.482	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2035	3	18	0.3076	17.435	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2035	3	19	0.3323	18.833	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2035	3	20	0.4109	26.611	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2035	3	21	0.5095	32.998	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2035	3	22	0.5835	75.985	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2035	3	23	0.6410	126.805	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2035	3	24	2.3385	20.070	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2035	3	25	0.3463	9.429	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2035	3	26	0.8512	83.194	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2035	3	27	0.6316	17.200	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2035	3	28	0.0472	2.077	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	52	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	52	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	52	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	52	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	52	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	52	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	52	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	52	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	52	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	52	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	52	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	52	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	52	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	52	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	52	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	52	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	52	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	52	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	52	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278

1	1	52	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	52	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	52	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	52	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	52	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2035	1	1	0.1111	3.335	7.2800	5.3799	30.0117	24.10	0.281246
1	1	52	2035	1	2	0.0901	3.623	8.0600	5.7548	40.1957	18.50	0.101405
1	1	52	2035	1	3	0.1389	5.582	8.0600	5.7548	40.1957	18.50	0.337320
1	1	52	2035	1	4	0.2101	7.945	8.0600	5.7548	37.8166	14.20	0.103547
1	1	52	2035	1	5	0.2067	7.816	8.0600	5.7548	37.8166	14.20	0.047578
1	1	52	2035	1	6	0.0823	3.107	6.8800	4.9123	37.7707	10.13	0.027524
1	1	52	2035	1	7	0.0774	2.922	6.8800	4.9123	37.7707	9.39	0.000969
1	1	52	2035	1	8	0.0723	2.640	6.8800	4.9123	36.4932	9.35	0.000281
1	1	52	2035	1	9	0.0795	2.902	6.8800	4.9123	36.4931	8.01	0.000959
1	1	52	2035	1	10	0.0792	2.889	6.8800	4.9123	36.4932	8.14	0.001996
1	1	52	2035	1	11	0.0841	3.067	6.8800	4.9123	36.4932	7.45	0.000819
1	1	52	2035	1	12	0.0893	3.260	6.8800	4.9123	36.4932	7.07	0.000002
1	1	52	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	52	2035	1	14	0.0183	0.551	7.2800	5.1979	30.0117	32.40	0.000028
1	1	52	2035	1	15	0.0341	1.648	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2035	1	16	0.0675	3.039	6.6500	4.7481	45.0549	12.96	0.008198
1	1	52	2035	1	17	0.0770	3.639	6.6500	4.7481	47.2522	11.66	0.002544
1	1	52	2035	1	18	0.0899	5.098	6.6500	4.7481	56.6821	10.20	0.002699
1	1	52	2035	1	19	0.0971	5.505	6.6500	4.7481	56.6821	9.88	0.001293
1	1	52	2035	1	20	0.1201	7.776	6.6500	4.7481	64.7605	8.71	0.006032
1	1	52	2035	1	21	0.1488	9.635	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2035	1	22	0.1703	22.177	6.6500	4.7481	130.2221	6.59	0.010278
1	1	52	2035	1	23	0.1870	37.001	6.6500	4.7481	197.8148	6.30	0.036527
1	1	52	2035	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2035	1	25	0.1082	2.945	6.8800	4.9123	27.2301	6.45	0.000303
1	1	52	2035	1	26	0.1540	15.056	6.6500	4.7481	97.7390	4.36	0.003655
1	1	52	2035	1	27	0.1847	5.028	6.6500	4.7481	27.2301	6.18	0.007008
1	1	52	2035	1	28	0.0551	2.422	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2035	2	1	10.5755	317.389	7.2800	5.3799	30.0117	24.10	0.281246
1	1	52	2035	2	2	8.5299	342.866	8.0600	5.7548	40.1957	18.50	0.101405
1	1	52	2035	2	3	9.1527	367.898	8.0600	5.7548	40.1957	18.50	0.337320
1	1	52	2035	2	4	10.7817	407.729	8.0600	5.7548	37.8166	14.20	0.103547
1	1	52	2035	2	5	11.0385	417.439	8.0600	5.7548	37.8166	14.20	0.047578
1	1	52	2035	2	6	4.9956	188.686	6.8800	4.9123	37.7707	10.13	0.027524
1	1	52	2035	2	7	6.4525	243.716	6.8800	4.9123	37.7707	9.39	0.000969
1	1	52	2035	2	8	6.2708	228.841	6.8800	4.9123	36.4932	9.35	0.000281
1	1	52	2035	2	9	7.3243	267.287	6.8800	4.9123	36.4931	8.01	0.000959
1	1	52	2035	2	10	7.2493	264.548	6.8800	4.9123	36.4932	8.14	0.001996
1	1	52	2035	2	11	8.6163	314.436	6.8800	4.9123	36.4932	7.45	0.000819
1	1	52	2035	2	12	9.1762	334.869	6.8800	4.9123	36.4932	7.07	0.000002
1	1	52	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	52	2035	2	14	0.4523	13.574	7.2800	5.1979	30.0117	32.40	0.000028
1	1	52	2035	2	15	0.1945	9.390	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2035	2	16	0.0656	2.957	6.6500	4.7481	45.0549	12.96	0.008198
1	1	52	2035	2	17	0.0751	3.551	6.6500	4.7481	47.2522	11.66	0.002544
1	1	52	2035	2	18	0.0877	4.969	6.6500	4.7481	56.6821	10.20	0.002699
1	1	52	2035	2	19	0.0947	5.367	6.6500	4.7481	56.6821	9.88	0.001293
1	1	52	2035	2	20	0.0972	6.294	6.6500	4.7481	64.7605	8.71	0.006032
1	1	52	2035	2	21	0.1207	7.818	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2035	2	22	0.1663	21.658	6.6500	4.7481	130.2221	6.59	0.010278
1	1	52	2035	2	23	0.1823	36.071	6.6500	4.7481	197.8148	6.30	0.036527
1	1	52	2035	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2035	2	25	10.4738	285.202	6.8800	4.9123	27.2301	6.45	0.000303
1	1	52	2035	2	26	0.2219	21.690	6.6500	4.7481	97.7390	4.36	0.003655
1	1	52	2035	2	27	0.1498	4.079	6.6500	4.7481	27.2301	6.18	0.007008
1	1	52	2035	2	28	0.2558	11.250	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2035	3	1	0.1276	3.829	7.2800	5.3799	30.0117	24.10	0.281246
1	1	52	2035	3	2	0.1229	4.938	8.0600	5.7548	40.1957	18.50	0.101405
1	1	52	2035	3	3	0.1695	6.812	8.0600	5.7548	40.1957	18.50	0.337320
1	1	52	2035	3	4	0.2732	10.331	8.0600	5.7548	37.8166	14.20	0.103547
1	1	52	2035	3	5	0.2899	10.962	8.0600	5.7548	37.8166	14.20	0.047578
1	1	52	2035	3	6	0.1921	7.257	6.8800	4.9123	37.7707	10.13	0.027524
1	1	52	2035	3	7	0.2503	9.456	6.8800	4.9123	37.7707	9.39	0.000969
1	1	52	2035	3	8	0.2238	8.166	6.8800	4.9123	36.4932	9.35	0.000281
1	1	52	2035	3	9	0.2570	9.380	6.8800	4.9123	36.4931	8.01	0.000959
1	1	52	2035	3	10	0.2543	9.279	6.8800	4.9123	36.4932	8.14	0.001996
1	1	52	2035	3	11	0.2892	10.555	6.8800	4.9123	36.4932	7.45	0.000819
1	1	52	2035	3	12	0.3059	11.162	6.8800	4.9123	36.4932	7.07	0.000002
1	1	52	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	52	2035	3	14	0.0260	0.781	7.2800	5.1979	30.0117	32.40	0.000028
1	1	52	2035	3	15	0.0418	2.018	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2035	3	16	0.2355	10.612	6.6500	4.7481	45.0549	12.96	0.008198
1	1	52	2035	3	17	0.2704	12.776	6.6500	4.7481	47.2522	11.66	0.002544
1	1	52	2035	3	18	0.3148	17.846	6.6500	4.7481	56.6821	10.20	0.002699
1	1	52	2035	3	19	0.3401	19.277	6.6500	4.7481	56.6821	9.88	0.001293
1	1	52	2035	3	20	0.4206	27.238	6.6500	4.7481	64.7605	8.71	0.006032
1	1	52	2035	3	21	0.5215	33.775	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2035	3	22	0.5973	77.775	6.6500	4.7481	130.2221	6.59	0.010278
1	1	52	2035	3	23	0.6561	129.794	6.6500	4.7481	197.8148	6.30	0.036527
1	1	52	2035	3	24	2.3799	20.425	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2035	3	25	0.3485	9.488	6.8800	4.9123	27.2301	6.45	0.000303
1	1	52	2035	3	26	0.8712	85.154	6.6500	4.7481	97.7390	4.36	0.003655
1	1	52	2035	3	27	0.6465	17.605	6.6500	4.7481	27.2301	6.18	0.007008
1	1	52	2035	3	28	0.0483	2.125	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	53	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	53	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	53	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547

1	1	53	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	53	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	53	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2035	1	1	0.1106	3.319	7.2800	5.3799	30.0117	24.10	0.281246
1	1	53	2035	1	2	0.0898	3.610	8.0600	5.7548	40.1957	18.50	0.101405
1	1	53	2035	1	3	0.1389	5.581	8.0600	5.7548	40.1957	18.50	0.337320
1	1	53	2035	1	4	0.2097	7.932	8.0600	5.7548	37.8166	14.20	0.103547
1	1	53	2035	1	5	0.2062	7.797	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2035	1	6	0.0816	3.081	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2035	1	7	0.0767	2.897	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2035	1	8	0.0717	2.618	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2035	1	9	0.0789	2.880	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2035	1	10	0.0786	2.867	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2035	1	11	0.0834	3.045	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2035	1	12	0.0887	3.237	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2035	1	14	0.0183	0.549	7.2800	5.1979	30.0117	32.40	0.000028
1	1	53	2035	1	15	0.0340	1.643	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2035	1	16	0.0671	3.025	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2035	1	17	0.0767	3.622	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2035	1	18	0.0895	5.074	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2035	1	19	0.0967	5.479	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2035	1	20	0.1195	7.740	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2035	1	21	0.1481	9.590	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2035	1	22	0.1695	22.074	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2035	1	23	0.1862	36.828	6.6500	4.7481	197.8148	6.30	0.036527

1	1	53	2035	1	24	1.8080	15.517	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2035	1	25	0.1071	2.916	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2035	1	26	0.1533	14.986	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2035	1	27	0.1838	5.005	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2035	1	28	0.0549	2.414	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2035	2	1	10.6287	318.986	7.2800	5.3799	30.0117	24.10	0.281246
1	1	53	2035	2	2	8.5818	344.952	8.0600	5.7548	40.1957	18.50	0.101405
1	1	53	2035	2	3	9.2087	370.151	8.0600	5.7548	40.1957	18.50	0.337320
1	1	53	2035	2	4	10.8522	410.394	8.0600	5.7548	37.8166	14.20	0.103547
1	1	53	2035	2	5	11.1102	420.149	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2035	2	6	5.1595	194.878	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2035	2	7	6.6643	251.714	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2035	2	8	6.4766	236.351	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2035	2	9	7.5647	276.059	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2035	2	10	7.4872	273.230	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2035	2	11	8.8991	324.755	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2035	2	12	9.4774	345.859	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2035	2	14	0.4568	13.710	7.2800	5.1979	30.0117	32.40	0.000028
1	1	53	2035	2	15	0.1967	9.499	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2035	2	16	0.0668	3.012	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2035	2	17	0.0765	3.617	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2035	2	18	0.0893	5.062	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2035	2	19	0.0964	5.466	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2035	2	20	0.0990	6.411	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2035	2	21	0.1230	7.964	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2035	2	22	0.1694	22.061	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2035	2	23	0.1857	36.742	6.6500	4.7481	197.8148	6.30	0.036527
1	1	53	2035	2	24	9.8565	84.591	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2035	2	25	10.8175	294.562	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2035	2	26	0.2260	22.094	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2035	2	27	0.1526	4.155	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2035	2	28	0.2587	11.376	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2035	3	1	0.1283	3.851	7.2800	5.3799	30.0117	24.10	0.281246
1	1	53	2035	3	2	0.1236	4.968	8.0600	5.7548	40.1957	18.50	0.101405
1	1	53	2035	3	3	0.1704	6.850	8.0600	5.7548	40.1957	18.50	0.337320
1	1	53	2035	3	4	0.2745	10.381	8.0600	5.7548	37.8166	14.20	0.103547
1	1	53	2035	3	5	0.2910	11.006	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2035	3	6	0.1935	7.309	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2035	3	7	0.2521	9.524	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2035	3	8	0.2254	8.225	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2035	3	9	0.2589	9.448	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2035	3	10	0.2561	9.346	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2035	3	11	0.2913	10.631	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2035	3	12	0.3081	11.242	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2035	3	14	0.0270	0.811	7.2800	5.1979	30.0117	32.40	0.000028

1	1	53	2035	3	15	0.0434	2.096	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2035	3	16	0.2448	11.029	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2035	3	17	0.2810	13.278	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2035	3	18	0.3272	18.547	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2035	3	19	0.3534	20.034	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2035	3	20	0.4371	28.308	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2035	3	21	0.5420	35.102	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2035	3	22	0.6207	80.829	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2035	3	23	0.6819	134.890	6.6500	4.7481	197.8148	6.30	0.036527
1	1	53	2035	3	24	2.4278	20.836	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2035	3	25	0.3510	9.557	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2035	3	26	0.9055	88.498	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2035	3	27	0.6719	18.296	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2035	3	28	0.0502	2.207	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	54	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2035	1	1	0.1101	3.303	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2035	1	2	0.0895	3.598	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2035	1	3	0.1388	5.581	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2035	1	4	0.2094	7.919	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2035	1	5	0.2057	7.778	8.0600	5.7548	37.8166	14.20	0.047578

1	1	54	2035	1	6	0.0809	3.056	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2035	1	7	0.0760	2.872	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2035	1	8	0.0712	2.597	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2035	1	9	0.0783	2.858	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2035	1	10	0.0780	2.845	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2035	1	11	0.0829	3.024	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2035	1	12	0.0881	3.216	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2035	1	14	0.0182	0.547	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2035	1	15	0.0339	1.638	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2035	1	16	0.0668	3.011	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2035	1	17	0.0763	3.606	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2035	1	18	0.0891	5.051	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2035	1	19	0.0962	5.454	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2035	1	20	0.1190	7.705	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2035	1	21	0.1474	9.547	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2035	1	22	0.1687	21.974	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2035	1	23	0.1853	36.662	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2035	1	24	1.8775	16.114	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2035	1	25	0.1061	2.889	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2035	1	26	0.1526	14.918	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2035	1	27	0.1830	4.982	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2035	1	28	0.0547	2.407	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2035	2	1	10.6801	320.528	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2035	2	2	8.6319	346.966	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2035	2	3	9.2628	372.326	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2035	2	4	10.9202	412.965	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2035	2	5	11.1793	422.764	8.0600	5.7548	37.8166	14.20	0.047578
1	1	54	2035	2	6	5.3177	200.853	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2035	2	7	6.8686	259.432	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2035	2	8	6.6752	243.598	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2035	2	9	7.7966	284.524	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2035	2	10	7.7167	281.608	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2035	2	11	9.1719	334.712	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2035	2	12	9.7679	356.463	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2035	2	14	0.4612	13.842	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2035	2	15	0.1989	9.605	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2035	2	16	0.0680	3.065	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2035	2	17	0.0779	3.680	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2035	2	18	0.0909	5.151	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2035	2	19	0.0981	5.563	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2035	2	20	0.1007	6.524	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2035	2	21	0.1251	8.104	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2035	2	22	0.1724	22.450	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2035	2	23	0.1890	37.389	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2035	2	24	10.9599	94.060	1.3500	0.9639	8.5822	50.00	0.002374

1	1	54	2035	2	25	11.1492	303.593	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2035	2	26	0.2300	22.483	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2035	2	27	0.1553	4.228	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2035	2	28	0.2615	11.497	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2035	3	1	0.1290	3.873	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2035	3	2	0.1243	4.996	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2035	3	3	0.1713	6.886	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2035	3	4	0.2758	10.430	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2035	3	5	0.2922	11.048	8.0600	5.7548	37.8166	14.20	0.047578
1	1	54	2035	3	6	0.1948	7.359	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2035	3	7	0.2539	9.590	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2035	3	8	0.2269	8.282	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2035	3	9	0.2607	9.513	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2035	3	10	0.2579	9.411	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2035	3	11	0.2933	10.704	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2035	3	12	0.3102	11.320	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2035	3	14	0.0280	0.840	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2035	3	15	0.0450	2.171	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2035	3	16	0.2537	11.431	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2035	3	17	0.2912	13.762	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2035	3	18	0.3391	19.223	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2035	3	19	0.3663	20.764	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2035	3	20	0.4530	29.340	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2035	3	21	0.5618	36.381	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2035	3	22	0.6433	83.776	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2035	3	23	0.7068	139.807	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2035	3	24	2.4740	21.233	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2035	3	25	0.3534	9.623	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2035	3	26	0.9385	91.724	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2035	3	27	0.6964	18.963	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2035	3	28	0.0520	2.286	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	55	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518

1	1	55	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	55	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2035	1	1	0.1096	3.288	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2035	1	2	0.0892	3.587	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2035	1	3	0.1388	5.580	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2035	1	4	0.2091	7.907	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2035	1	5	0.2052	7.760	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2035	1	6	0.0803	3.032	6.8800	4.9123	37.7707	10.13	0.027524
1	1	55	2035	1	7	0.0754	2.848	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2035	1	8	0.0706	2.577	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2035	1	9	0.0778	2.838	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2035	1	10	0.0774	2.825	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2035	1	11	0.0823	3.003	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2035	1	12	0.0875	3.195	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2035	1	14	0.0182	0.546	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2035	1	15	0.0338	1.633	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2035	1	16	0.0665	2.998	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2035	1	17	0.0760	3.590	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2035	1	18	0.0887	5.029	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2035	1	19	0.0958	5.430	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2035	1	20	0.1185	7.671	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2035	1	21	0.1468	9.505	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2035	1	22	0.1680	21.878	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2035	1	23	0.1845	36.501	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2035	1	24	1.9447	16.690	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2035	1	25	0.1051	2.862	6.8800	4.9123	27.2301	6.45	0.000303
1	1	55	2035	1	26	0.1520	14.852	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2035	1	27	0.1822	4.960	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2035	1	28	0.0546	2.400	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2035	2	1	10.7297	322.017	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2035	2	2	8.6803	348.909	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2035	2	3	9.3151	374.425	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2035	2	4	10.9858	415.448	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2035	2	5	11.2461	425.288	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2035	2	6	5.4704	206.622	6.8800	4.9123	37.7707	10.13	0.027524

1	1	55	2035	2	7	7.0659	266.884	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2035	2	8	6.8669	250.595	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2035	2	9	8.0206	292.696	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2035	2	10	7.9384	289.696	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2035	2	11	9.4354	344.326	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2035	2	12	10.0485	366.702	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2035	2	14	0.4654	13.969	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2035	2	15	0.2010	9.707	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2035	2	16	0.0692	3.116	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2035	2	17	0.0792	3.742	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2035	2	18	0.0924	5.237	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2035	2	19	0.0998	5.656	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2035	2	20	0.1024	6.633	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2035	2	21	0.1272	8.240	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2035	2	22	0.1753	22.825	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2035	2	23	0.1922	38.014	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2035	2	24	12.0252	103.203	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2035	2	25	11.4694	312.313	6.8800	4.9123	27.2301	6.45	0.000303
1	1	55	2035	2	26	0.2339	22.859	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2035	2	27	0.1579	4.298	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2035	2	28	0.2641	11.614	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2035	3	1	0.1297	3.894	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2035	3	2	0.1250	5.024	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2035	3	3	0.1722	6.922	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2035	3	4	0.2770	10.476	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2035	3	5	0.2932	11.089	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2035	3	6	0.1961	7.408	6.8800	4.9123	37.7707	10.13	0.027524
1	1	55	2035	3	7	0.2556	9.653	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2035	3	8	0.2284	8.337	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2035	3	9	0.2624	9.576	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2035	3	10	0.2596	9.473	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2035	3	11	0.2953	10.775	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2035	3	12	0.3122	11.395	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2035	3	14	0.0289	0.868	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2035	3	15	0.0465	2.243	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2035	3	16	0.2623	11.819	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2035	3	17	0.3011	14.229	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2035	3	18	0.3507	19.876	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2035	3	19	0.3788	21.469	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2035	3	20	0.4684	30.336	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2035	3	21	0.5809	37.617	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2035	3	22	0.6652	86.621	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2035	3	23	0.7308	144.555	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2035	3	24	2.5186	21.616	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2035	3	25	0.3557	9.687	6.8800	4.9123	27.2301	6.45	0.000303

1	1	55	2035	3	26	0.9703	94.839	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2035	3	27	0.7201	19.607	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2035	3	28	0.0537	2.362	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	56	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	56	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2035	1	1	0.1091	3.274	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2035	1	2	0.0889	3.575	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2035	1	3	0.1388	5.579	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2035	1	4	0.2088	7.894	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2035	1	5	0.2047	7.743	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2035	1	6	0.0797	3.009	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2035	1	7	0.0748	2.826	6.8800	4.9123	37.7707	9.39	0.000969
1	1	56	2035	1	8	0.0701	2.558	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2035	1	9	0.0772	2.818	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2035	1	10	0.0769	2.805	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2035	1	11	0.0817	2.983	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2035	1	12	0.0870	3.174	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2035	1	14	0.0181	0.545	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2035	1	15	0.0337	1.628	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2035	1	16	0.0663	2.985	6.6500	4.7481	45.0549	12.96	0.008198

1	1	56	2035	1	17	0.0757	3.575	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2035	1	18	0.0883	5.008	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2035	1	19	0.0954	5.407	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2035	1	20	0.1179	7.638	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2035	1	21	0.1461	9.464	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2035	1	22	0.1673	21.785	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2035	1	23	0.1837	36.346	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2035	1	24	2.0096	17.247	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2035	1	25	0.1042	2.836	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2035	1	26	0.1513	14.789	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2035	1	27	0.1814	4.939	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2035	1	28	0.0544	2.394	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2035	2	1	10.7776	323.455	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2035	2	2	8.7270	350.787	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2035	2	3	9.3655	376.454	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2035	2	4	11.0493	417.846	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2035	2	5	11.3105	427.727	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2035	2	6	5.6180	212.196	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2035	2	7	7.2565	274.083	6.8800	4.9123	37.7707	9.39	0.000969
1	1	56	2035	2	8	7.0521	257.354	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2035	2	9	8.2369	300.591	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2035	2	10	8.1525	297.510	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2035	2	11	9.6899	353.614	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2035	2	12	10.3196	376.593	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2035	2	14	0.4695	14.091	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2035	2	15	0.2031	9.805	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2035	2	16	0.0703	3.166	6.6500	4.7481	45.0549	12.96	0.008198
1	1	56	2035	2	17	0.0804	3.801	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2035	2	18	0.0939	5.320	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2035	2	19	0.1014	5.746	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2035	2	20	0.1040	6.738	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2035	2	21	0.1293	8.371	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2035	2	22	0.1781	23.188	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2035	2	23	0.1952	38.618	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2035	2	24	13.0544	112.035	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2035	2	25	11.7788	320.738	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2035	2	26	0.2376	23.222	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2035	2	27	0.1604	4.367	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2035	2	28	0.2667	11.727	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2035	3	1	0.1304	3.914	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2035	3	2	0.1256	5.050	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2035	3	3	0.1730	6.956	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2035	3	4	0.2782	10.521	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2035	3	5	0.2943	11.129	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2035	3	6	0.1974	7.455	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2035	3	7	0.2572	9.714	6.8800	4.9123	37.7707	9.39	0.000969

1	1	56	2035	3	8	0.2299	8.390	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2035	3	9	0.2641	9.637	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2035	3	10	0.2612	9.533	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2035	3	11	0.2971	10.844	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2035	3	12	0.3142	11.467	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2035	3	14	0.0298	0.895	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2035	3	15	0.0479	2.313	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2035	3	16	0.2706	12.194	6.6500	4.7481	45.0549	12.96	0.008198
1	1	56	2035	3	17	0.3107	14.681	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2035	3	18	0.3618	20.507	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2035	3	19	0.3908	22.150	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2035	3	20	0.4833	31.299	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2035	3	21	0.5993	38.810	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2035	3	22	0.6863	89.370	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2035	3	23	0.7539	149.142	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2035	3	24	2.5617	21.985	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2035	3	25	0.3580	9.748	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2035	3	26	1.0011	97.848	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2035	3	27	0.7429	20.229	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2035	3	28	0.0554	2.435	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	57	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655

1	1	57	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2035	1	1	0.1086	3.260	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2035	1	2	0.0887	3.565	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2035	1	3	0.1388	5.578	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2035	1	4	0.2084	7.883	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2035	1	5	0.2043	7.726	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2035	1	6	0.0791	2.987	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2035	1	7	0.0742	2.803	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2035	1	8	0.0696	2.539	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2035	1	9	0.0767	2.799	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2035	1	10	0.0763	2.786	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2035	1	11	0.0812	2.963	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2035	1	12	0.0864	3.155	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2035	1	14	0.0181	0.543	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2035	1	15	0.0336	1.624	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2035	1	16	0.0660	2.973	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2035	1	17	0.0753	3.560	6.6500	4.7481	47.2522	11.66	0.002544
1	1	57	2035	1	18	0.0880	4.987	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2035	1	19	0.0950	5.385	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2035	1	20	0.1175	7.607	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2035	1	21	0.1455	9.425	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2035	1	22	0.1666	21.695	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2035	1	23	0.1830	36.196	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2035	1	24	2.0723	17.785	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2035	1	25	0.1032	2.812	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2035	1	26	0.1507	14.728	6.6500	4.7481	97.7390	4.36	0.003655
1	1	57	2035	1	27	0.1806	4.919	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2035	1	28	0.0543	2.387	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2035	2	1	10.8240	324.846	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2035	2	2	8.7722	352.603	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2035	2	3	9.4143	378.415	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2035	2	4	11.1106	420.165	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2035	2	5	11.3729	430.084	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2035	2	6	5.7606	217.584	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2035	2	7	7.4407	281.042	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2035	2	8	7.2312	263.889	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2035	2	9	8.4461	308.223	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2035	2	10	8.3595	305.064	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2035	2	11	9.9359	362.593	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2035	2	12	10.5816	386.155	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2035	2	14	0.4735	14.210	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2035	2	15	0.2050	9.900	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2035	2	16	0.0713	3.213	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2035	2	17	0.0817	3.859	6.6500	4.7481	47.2522	11.66	0.002544

1	1	57	2035	2	18	0.0953	5.400	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2035	2	19	0.1029	5.833	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2035	2	20	0.1056	6.840	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2035	2	21	0.1312	8.497	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2035	2	22	0.1808	23.538	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2035	2	23	0.1982	39.202	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2035	2	24	14.0493	120.574	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2035	2	25	12.0778	328.881	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2035	2	26	0.2412	23.573	6.6500	4.7481	97.7390	4.36	0.003655
1	1	57	2035	2	27	0.1628	4.433	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2035	2	28	0.2692	11.837	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2035	3	1	0.1311	3.933	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2035	3	2	0.1263	5.076	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2035	3	3	0.1739	6.989	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2035	3	4	0.2794	10.564	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2035	3	5	0.2953	11.167	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2035	3	6	0.1986	7.501	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2035	3	7	0.2588	9.774	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2035	3	8	0.2313	8.441	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2035	3	9	0.2657	9.696	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2035	3	10	0.2628	9.591	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2035	3	11	0.2990	10.910	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2035	3	12	0.3162	11.537	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2035	3	14	0.0307	0.921	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2035	3	15	0.0493	2.381	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2035	3	16	0.2787	12.557	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2035	3	17	0.3199	15.117	6.6500	4.7481	47.2522	11.66	0.002544
1	1	57	2035	3	18	0.3725	21.116	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2035	3	19	0.4024	22.809	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2035	3	20	0.4977	32.229	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2035	3	21	0.6171	39.964	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2035	3	22	0.7067	92.026	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2035	3	23	0.7764	153.576	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2035	3	24	2.6034	22.343	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2035	3	25	0.3602	9.808	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2035	3	26	1.0309	100.758	6.6500	4.7481	97.7390	4.36	0.003655
1	1	57	2035	3	27	0.7650	20.831	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2035	3	28	0.0570	2.506	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281

1	1	58	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	58	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	58	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2035	1	1	0.1082	3.248	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2035	1	2	0.0885	3.555	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2035	1	3	0.1388	5.581	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2035	1	4	0.2082	7.874	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2035	1	5	0.2039	7.711	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2035	1	6	0.0789	2.981	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2035	1	7	0.0740	2.796	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2035	1	8	0.0694	2.533	6.8800	4.9123	36.4932	9.35	0.000281
1	1	58	2035	1	9	0.0766	2.795	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2035	1	10	0.0762	2.782	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2035	1	11	0.0811	2.961	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2035	1	12	0.0864	3.153	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2035	1	14	0.0181	0.543	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2035	1	15	0.0336	1.624	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2035	1	16	0.0660	2.973	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2035	1	17	0.0753	3.560	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2035	1	18	0.0880	4.987	6.6500	4.7481	56.6821	10.20	0.002699
1	1	58	2035	1	19	0.0950	5.385	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2035	1	20	0.1175	7.607	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2035	1	21	0.1455	9.425	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2035	1	22	0.1666	21.695	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2035	1	23	0.1830	36.196	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2035	1	24	2.1440	18.400	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2035	1	25	0.1029	2.802	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2035	1	26	0.1507	14.728	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2035	1	27	0.1806	4.919	6.6500	4.7481	27.2301	6.18	0.007008

1	1	58	2035	1	28	0.0543	2.387	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2035	2	1	10.8769	326.435	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2035	2	2	8.8238	354.678	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2035	2	3	9.4701	380.656	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2035	2	4	11.1807	422.815	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2035	2	5	11.4441	432.779	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2035	2	6	6.0287	227.709	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2035	2	7	7.7870	294.120	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2035	2	8	7.5677	276.168	6.8800	4.9123	36.4932	9.35	0.000281
1	1	58	2035	2	9	8.8391	322.566	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2035	2	10	8.7485	319.260	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2035	2	11	10.3983	379.466	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2035	2	12	11.0740	404.124	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2035	2	14	0.4812	14.443	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2035	2	15	0.2089	10.087	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2035	2	16	0.0734	3.307	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2035	2	17	0.0841	3.972	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2035	2	18	0.0981	5.559	6.6500	4.7481	56.6821	10.20	0.002699
1	1	58	2035	2	19	0.1059	6.003	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2035	2	20	0.1087	7.040	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2035	2	21	0.1351	8.746	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2035	2	22	0.1860	24.227	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2035	2	23	0.2040	40.350	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2035	2	24	15.1865	130.334	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2035	2	25	12.6399	344.185	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2035	2	26	0.2482	24.264	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2035	2	27	0.1676	4.563	6.6500	4.7481	27.2301	6.18	0.007008
1	1	58	2035	2	28	0.2741	12.052	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2035	3	1	0.1318	3.955	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2035	3	2	0.1270	5.106	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2035	3	3	0.1748	7.026	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2035	3	4	0.2807	10.614	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2035	3	5	0.2964	11.210	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2035	3	6	0.2000	7.553	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2035	3	7	0.2606	9.842	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2035	3	8	0.2329	8.500	6.8800	4.9123	36.4932	9.35	0.000281
1	1	58	2035	3	9	0.2675	9.763	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2035	3	10	0.2647	9.658	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2035	3	11	0.3010	10.985	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2035	3	12	0.3183	11.617	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2035	3	14	0.0321	0.964	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2035	3	15	0.0516	2.494	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2035	3	16	0.2921	13.161	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2035	3	17	0.3353	15.845	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2035	3	18	0.3905	22.133	6.6500	4.7481	56.6821	10.20	0.002699

1	1	58	2035	3	19	0.4218	23.907	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2035	3	20	0.5216	33.781	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2035	3	21	0.6468	41.889	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2035	3	22	0.7407	96.459	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2035	3	23	0.8138	160.972	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2035	3	24	2.6510	22.752	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2035	3	25	0.3627	9.876	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2035	3	26	1.0805	105.610	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2035	3	27	0.8018	21.834	6.6500	4.7481	27.2301	6.18	0.007008
1	1	58	2035	3	28	0.0597	2.625	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	59	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2035	1	1	0.1078	3.237	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2035	1	2	0.0882	3.546	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2035	1	3	0.1389	5.583	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2035	1	4	0.2080	7.866	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2035	1	5	0.2035	7.697	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2035	1	6	0.0788	2.975	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2035	1	7	0.0738	2.789	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2035	1	8	0.0693	2.528	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2035	1	9	0.0765	2.792	6.8800	4.9123	36.4931	8.01	0.000959

1	1	59	2035	1	10	0.0761	2.778	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2035	1	11	0.0811	2.958	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2035	1	12	0.0864	3.152	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2035	1	14	0.0181	0.543	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2035	1	15	0.0336	1.624	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2035	1	16	0.0660	2.973	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2035	1	17	0.0753	3.560	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2035	1	18	0.0880	4.987	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2035	1	19	0.0950	5.385	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2035	1	20	0.1175	7.607	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2035	1	21	0.1455	9.425	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2035	1	22	0.1666	21.695	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2035	1	23	0.1830	36.196	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2035	1	24	2.2134	18.996	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2035	1	25	0.1026	2.794	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2035	1	26	0.1507	14.728	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2035	1	27	0.1806	4.919	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2035	1	28	0.0543	2.387	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2035	2	1	10.9282	327.973	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2035	2	2	8.8737	356.686	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2035	2	3	9.5240	382.825	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2035	2	4	11.2485	425.379	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2035	2	5	11.5131	435.387	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2035	2	6	6.2881	237.507	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2035	2	7	8.1221	306.776	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2035	2	8	7.8933	288.052	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2035	2	9	9.2194	336.447	6.8800	4.9123	36.4931	8.01	0.000959
1	1	59	2035	2	10	9.1250	332.998	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2035	2	11	10.8457	395.794	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2035	2	12	11.5505	421.514	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2035	2	14	0.4887	14.668	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2035	2	15	0.2127	10.269	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2035	2	16	0.0754	3.399	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2035	2	17	0.0864	4.081	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2035	2	18	0.1008	5.712	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2035	2	19	0.1088	6.169	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2035	2	20	0.1117	7.234	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2035	2	21	0.1388	8.987	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2035	2	22	0.1912	24.894	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2035	2	23	0.2096	41.461	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2035	2	24	16.2870	139.779	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2035	2	25	13.1838	358.996	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2035	2	26	0.2551	24.932	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2035	2	27	0.1722	4.688	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2035	2	28	0.2788	12.260	8.0600	5.7548	43.9743	17.00	0.002242

1	1	59	2035	3	1	0.1325	3.977	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2035	3	2	0.1277	5.134	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2035	3	3	0.1757	7.063	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2035	3	4	0.2819	10.662	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2035	3	5	0.2975	11.252	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2035	3	6	0.2013	7.603	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2035	3	7	0.2623	9.907	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2035	3	8	0.2345	8.556	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2035	3	9	0.2693	9.828	6.8800	4.9123	36.4931	8.01	0.000959
1	1	59	2035	3	10	0.2664	9.722	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2035	3	11	0.3030	11.059	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2035	3	12	0.3205	11.695	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2035	3	14	0.0335	1.006	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2035	3	15	0.0539	2.603	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2035	3	16	0.3051	13.747	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2035	3	17	0.3502	16.550	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2035	3	18	0.4078	23.118	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2035	3	19	0.4405	24.971	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2035	3	20	0.5448	35.284	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2035	3	21	0.6756	43.752	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2035	3	22	0.7737	100.748	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2035	3	23	0.8499	168.130	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2035	3	24	2.6971	23.147	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2035	3	25	0.3651	9.941	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2035	3	26	1.1286	110.306	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2035	3	27	0.8375	22.805	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2035	3	28	0.0623	2.740	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	60	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293

1	1	60	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2035	1	1	0.1075	3.225	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2035	1	2	0.0880	3.538	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2035	1	3	0.1390	5.586	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2035	1	4	0.2078	7.858	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2035	1	5	0.2032	7.684	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2035	1	6	0.0786	2.969	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2035	1	7	0.0737	2.782	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2035	1	8	0.0691	2.523	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2035	1	9	0.0764	2.788	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2035	1	10	0.0760	2.775	6.8800	4.9123	36.4932	8.14	0.001996
1	1	60	2035	1	11	0.0810	2.956	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2035	1	12	0.0864	3.151	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2035	1	14	0.0181	0.543	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2035	1	15	0.0336	1.624	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2035	1	16	0.0660	2.973	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2035	1	17	0.0753	3.560	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2035	1	18	0.0880	4.987	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2035	1	19	0.0950	5.385	6.6500	4.7481	56.6821	9.88	0.001293
1	1	60	2035	1	20	0.1175	7.607	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2035	1	21	0.1455	9.425	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2035	1	22	0.1666	21.695	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2035	1	23	0.1830	36.196	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2035	1	24	2.2806	19.573	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2035	1	25	0.1023	2.785	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2035	1	26	0.1507	14.728	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2035	1	27	0.1806	4.919	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2035	1	28	0.0543	2.387	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2035	2	1	10.9778	329.462	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2035	2	2	8.9221	358.630	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2035	2	3	9.5763	384.925	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2035	2	4	11.3141	427.863	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2035	2	5	11.5799	437.912	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2035	2	6	6.5393	246.995	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2035	2	7	8.4465	319.030	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2035	2	8	8.2086	299.559	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2035	2	9	9.5877	349.886	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2035	2	10	9.4895	346.300	6.8800	4.9123	36.4932	8.14	0.001996

1	1	60	2035	2	11	11.2790	411.605	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2035	2	12	12.0119	438.352	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2035	2	14	0.4960	14.887	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2035	2	15	0.2163	10.444	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2035	2	16	0.0774	3.487	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2035	2	17	0.0886	4.187	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2035	2	18	0.1034	5.860	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2035	2	19	0.1117	6.329	6.6500	4.7481	56.6821	9.88	0.001293
1	1	60	2035	2	20	0.1146	7.422	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2035	2	21	0.1424	9.220	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2035	2	22	0.1961	25.540	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2035	2	23	0.2150	42.537	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2035	2	24	17.3526	148.924	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2035	2	25	13.7104	373.336	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2035	2	26	0.2617	25.578	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2035	2	27	0.1766	4.810	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2035	2	28	0.2834	12.461	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2035	3	1	0.1332	3.998	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2035	3	2	0.1284	5.162	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2035	3	3	0.1766	7.098	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2035	3	4	0.2832	10.709	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2035	3	5	0.2986	11.293	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2035	3	6	0.2026	7.652	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2035	3	7	0.2640	9.971	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2035	3	8	0.2360	8.611	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2035	3	9	0.2710	9.891	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2035	3	10	0.2681	9.785	6.8800	4.9123	36.4932	8.14	0.001996
1	1	60	2035	3	11	0.3050	11.130	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2035	3	12	0.3225	11.770	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2035	3	14	0.0349	1.047	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2035	3	15	0.0561	2.709	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2035	3	16	0.3177	14.313	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2035	3	17	0.3647	17.232	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2035	3	18	0.4247	24.071	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2035	3	19	0.4587	26.000	6.6500	4.7481	56.6821	9.88	0.001293
1	1	60	2035	3	20	0.5673	36.738	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2035	3	21	0.7034	45.555	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2035	3	22	0.8056	104.901	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2035	3	23	0.8850	175.061	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2035	3	24	2.7418	23.530	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2035	3	25	0.3674	10.005	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2035	3	26	1.1751	114.853	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2035	3	27	0.8720	23.745	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2035	3	28	0.0648	2.851	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246

1	1	61	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	61	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	61	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2035	1	1	0.1071	3.214	7.2800	5.3799	30.0117	24.10	0.281246
1	1	61	2035	1	2	0.0878	3.529	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2035	1	3	0.1390	5.588	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2035	1	4	0.2076	7.850	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2035	1	5	0.2028	7.670	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2035	1	6	0.0785	2.964	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2035	1	7	0.0735	2.776	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2035	1	8	0.0690	2.517	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2035	1	9	0.0763	2.785	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2035	1	10	0.0759	2.771	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2035	1	11	0.0809	2.954	6.8800	4.9123	36.4932	7.45	0.000819
1	1	61	2035	1	12	0.0863	3.150	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2035	1	14	0.0181	0.543	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2035	1	15	0.0336	1.624	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2035	1	16	0.0660	2.973	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2035	1	17	0.0753	3.560	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2035	1	18	0.0880	4.987	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2035	1	19	0.0950	5.385	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2035	1	20	0.1175	7.607	6.6500	4.7481	64.7605	8.71	0.006032

1	1	61	2035	1	21	0.1455	9.425	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2035	1	22	0.1666	21.695	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2035	1	23	0.1830	36.196	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2035	1	24	2.3457	20.131	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2035	1	25	0.1020	2.777	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2035	1	26	0.1507	14.728	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2035	1	27	0.1806	4.919	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2035	1	28	0.0543	2.387	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2035	2	1	11.0258	330.904	7.2800	5.3799	30.0117	24.10	0.281246
1	1	61	2035	2	2	8.9690	360.514	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2035	2	3	9.6269	386.960	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2035	2	4	11.3777	430.268	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2035	2	5	11.6446	440.358	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2035	2	6	6.7827	256.185	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2035	2	7	8.7608	330.902	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2035	2	8	8.5141	310.705	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2035	2	9	9.9445	362.906	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2035	2	10	9.8426	359.186	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2035	2	11	11.6987	426.921	6.8800	4.9123	36.4932	7.45	0.000819
1	1	61	2035	2	12	12.4589	454.663	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2035	2	14	0.5031	15.098	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2035	2	15	0.2198	10.614	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2035	2	16	0.0793	3.572	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2035	2	17	0.0908	4.290	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2035	2	18	0.1059	6.003	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2035	2	19	0.1144	6.484	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2035	2	20	0.1174	7.604	6.6500	4.7481	64.7605	8.71	0.006032
1	1	61	2035	2	21	0.1459	9.446	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2035	2	22	0.2009	26.166	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2035	2	23	0.2203	43.579	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2035	2	24	18.3849	157.784	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2035	2	25	14.2206	387.229	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2035	2	26	0.2681	26.205	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2035	2	27	0.1810	4.928	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2035	2	28	0.2878	12.656	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2035	3	1	0.1339	4.018	7.2800	5.3799	30.0117	24.10	0.281246
1	1	61	2035	3	2	0.1291	5.188	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2035	3	3	0.1774	7.133	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2035	3	4	0.2844	10.754	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2035	3	5	0.2997	11.333	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2035	3	6	0.2038	7.699	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2035	3	7	0.2656	10.032	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2035	3	8	0.2374	8.664	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2035	3	9	0.2727	9.952	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2035	3	10	0.2698	9.845	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2035	3	11	0.3069	11.198	6.8800	4.9123	36.4932	7.45	0.000819

1	1	61	2035	3	12	0.3245	11.842	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2035	3	14	0.0362	1.086	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2035	3	15	0.0582	2.811	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2035	3	16	0.3299	14.862	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2035	3	17	0.3787	17.893	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2035	3	18	0.4409	24.994	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2035	3	19	0.4763	26.997	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2035	3	20	0.5890	38.147	6.6500	4.7481	64.7605	8.71	0.006032
1	1	61	2035	3	21	0.7304	47.302	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2035	3	22	0.8364	108.924	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2035	3	23	0.9189	181.775	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2035	3	24	2.7850	23.901	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2035	3	25	0.3697	10.067	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2035	3	26	1.2202	119.258	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2035	3	27	0.9055	24.656	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2035	3	28	0.0673	2.958	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	62	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	62	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	62	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	62	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	62	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	62	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	62	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	62	2035	4	9	1107.1	40402.8	6.8800	4.9123	36.4931	8.01	0.000959
1	1	62	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	62	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	62	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	62	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	62	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	62	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	62	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	62	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	62	2035	4	20	1168.3	75659.2	6.6500	4.7481	64.7605	8.71	0.006032
1	1	62	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	62	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	62	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	62	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	62	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	62	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	62	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	62	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2035	1	1	0.1068	3.204	7.2800	5.3799	30.0117	24.10	0.281246
1	1	62	2035	1	2	0.0876	3.521	8.0600	5.7548	40.1957	18.50	0.101405

1	1	62	2035	1	3	0.1391	5.590	8.0600	5.7548	40.1957	18.50	0.337320
1	1	62	2035	1	4	0.2074	7.843	8.0600	5.7548	37.8166	14.20	0.103547
1	1	62	2035	1	5	0.2025	7.658	8.0600	5.7548	37.8166	14.20	0.047578
1	1	62	2035	1	6	0.0783	2.959	6.8800	4.9123	37.7707	10.13	0.027524
1	1	62	2035	1	7	0.0733	2.769	6.8800	4.9123	37.7707	9.39	0.000969
1	1	62	2035	1	8	0.0688	2.512	6.8800	4.9123	36.4932	9.35	0.000281
1	1	62	2035	1	9	0.0762	2.781	6.8800	4.9123	36.4931	8.01	0.000959
1	1	62	2035	1	10	0.0759	2.768	6.8800	4.9123	36.4932	8.14	0.001996
1	1	62	2035	1	11	0.0809	2.951	6.8800	4.9123	36.4932	7.45	0.000819
1	1	62	2035	1	12	0.0863	3.149	6.8800	4.9123	36.4932	7.07	0.000002
1	1	62	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2035	1	14	0.0181	0.543	7.2800	5.1979	30.0117	32.40	0.000028
1	1	62	2035	1	15	0.0336	1.624	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2035	1	16	0.0660	2.973	6.6500	4.7481	45.0549	12.96	0.008198
1	1	62	2035	1	17	0.0753	3.560	6.6500	4.7481	47.2522	11.66	0.002544
1	1	62	2035	1	18	0.0880	4.987	6.6500	4.7481	56.6821	10.20	0.002699
1	1	62	2035	1	19	0.0950	5.385	6.6500	4.7481	56.6821	9.88	0.001293
1	1	62	2035	1	20	0.1175	7.607	6.6500	4.7481	64.7605	8.71	0.006032
1	1	62	2035	1	21	0.1455	9.425	6.6500	4.7481	64.7605	7.53	0.008655
1	1	62	2035	1	22	0.1666	21.695	6.6500	4.7481	130.2221	6.59	0.010278
1	1	62	2035	1	23	0.1830	36.196	6.6500	4.7481	197.8148	6.30	0.036527
1	1	62	2035	1	24	2.4088	20.672	1.3500	0.9639	8.5822	50.00	0.002374
1	1	62	2035	1	25	0.1017	2.769	6.8800	4.9123	27.2301	6.45	0.000303
1	1	62	2035	1	26	0.1507	14.728	6.6500	4.7481	97.7390	4.36	0.003655
1	1	62	2035	1	27	0.1806	4.919	6.6500	4.7481	27.2301	6.18	0.007008
1	1	62	2035	1	28	0.0543	2.387	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2035	2	1	11.0724	332.303	7.2800	5.3799	30.0117	24.10	0.281246
1	1	62	2035	2	2	9.0144	362.339	8.0600	5.7548	40.1957	18.50	0.101405
1	1	62	2035	2	3	9.6760	388.932	8.0600	5.7548	40.1957	18.50	0.337320
1	1	62	2035	2	4	11.4394	432.600	8.0600	5.7548	37.8166	14.20	0.103547
1	1	62	2035	2	5	11.7073	442.729	8.0600	5.7548	37.8166	14.20	0.047578
1	1	62	2035	2	6	7.0185	265.094	6.8800	4.9123	37.7707	10.13	0.027524
1	1	62	2035	2	7	9.0654	342.408	6.8800	4.9123	37.7707	9.39	0.000969
1	1	62	2035	2	8	8.8101	321.509	6.8800	4.9123	36.4932	9.35	0.000281
1	1	62	2035	2	9	10.2903	375.525	6.8800	4.9123	36.4931	8.01	0.000959
1	1	62	2035	2	10	10.1848	371.676	6.8800	4.9123	36.4932	8.14	0.001996
1	1	62	2035	2	11	12.1054	441.766	6.8800	4.9123	36.4932	7.45	0.000819
1	1	62	2035	2	12	12.8921	470.473	6.8800	4.9123	36.4932	7.07	0.000002
1	1	62	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2035	2	14	0.5099	15.303	7.2800	5.1979	30.0117	32.40	0.000028
1	1	62	2035	2	15	0.2232	10.779	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2035	2	16	0.0811	3.655	6.6500	4.7481	45.0549	12.96	0.008198
1	1	62	2035	2	17	0.0929	4.389	6.6500	4.7481	47.2522	11.66	0.002544
1	1	62	2035	2	18	0.1084	6.143	6.6500	4.7481	56.6821	10.20	0.002699
1	1	62	2035	2	19	0.1170	6.634	6.6500	4.7481	56.6821	9.88	0.001293
1	1	62	2035	2	20	0.1201	7.780	6.6500	4.7481	64.7605	8.71	0.006032
1	1	62	2035	2	21	0.1492	9.665	6.6500	4.7481	64.7605	7.53	0.008655

1	1	62	2035	2	22	0.2056	26.772	6.6500	4.7481	130.2221	6.59	0.010278
1	1	62	2035	2	23	0.2254	44.589	6.6500	4.7481	197.8148	6.30	0.036527
1	1	62	2035	2	24	19.3855	166.371	1.3500	0.9639	8.5822	50.00	0.002374
1	1	62	2035	2	25	14.7151	400.693	6.8800	4.9123	27.2301	6.45	0.000303
1	1	62	2035	2	26	0.2743	26.812	6.6500	4.7481	97.7390	4.36	0.003655
1	1	62	2035	2	27	0.1852	5.042	6.6500	4.7481	27.2301	6.18	0.007008
1	1	62	2035	2	28	0.2921	12.845	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2035	3	1	0.1345	4.037	7.2800	5.3799	30.0117	24.10	0.281246
1	1	62	2035	3	2	0.1297	5.214	8.0600	5.7548	40.1957	18.50	0.101405
1	1	62	2035	3	3	0.1783	7.166	8.0600	5.7548	40.1957	18.50	0.337320
1	1	62	2035	3	4	0.2855	10.798	8.0600	5.7548	37.8166	14.20	0.103547
1	1	62	2035	3	5	0.3007	11.371	8.0600	5.7548	37.8166	14.20	0.047578
1	1	62	2035	3	6	0.2050	7.745	6.8800	4.9123	37.7707	10.13	0.027524
1	1	62	2035	3	7	0.2672	10.092	6.8800	4.9123	37.7707	9.39	0.000969
1	1	62	2035	3	8	0.2388	8.716	6.8800	4.9123	36.4932	9.35	0.000281
1	1	62	2035	3	9	0.2743	10.012	6.8800	4.9123	36.4931	8.01	0.000959
1	1	62	2035	3	10	0.2714	9.904	6.8800	4.9123	36.4932	8.14	0.001996
1	1	62	2035	3	11	0.3087	11.265	6.8800	4.9123	36.4932	7.45	0.000819
1	1	62	2035	3	12	0.3264	11.913	6.8800	4.9123	36.4932	7.07	0.000002
1	1	62	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2035	3	14	0.0375	1.124	7.2800	5.1979	30.0117	32.40	0.000028
1	1	62	2035	3	15	0.0603	2.911	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2035	3	16	0.3417	15.394	6.6500	4.7481	45.0549	12.96	0.008198
1	1	62	2035	3	17	0.3922	18.534	6.6500	4.7481	47.2522	11.66	0.002544
1	1	62	2035	3	18	0.4567	25.888	6.6500	4.7481	56.6821	10.20	0.002699
1	1	62	2035	3	19	0.4933	27.964	6.6500	4.7481	56.6821	9.88	0.001293
1	1	62	2035	3	20	0.6101	39.513	6.6500	4.7481	64.7605	8.71	0.006032
1	1	62	2035	3	21	0.7566	48.996	6.6500	4.7481	64.7605	7.53	0.008655
1	1	62	2035	3	22	0.8664	112.824	6.6500	4.7481	130.2221	6.59	0.010278
1	1	62	2035	3	23	0.9518	188.283	6.6500	4.7481	197.8148	6.30	0.036527
1	1	62	2035	3	24	2.8269	24.261	1.3500	0.9639	8.5822	50.00	0.002374
1	1	62	2035	3	25	0.3719	10.127	6.8800	4.9123	27.2301	6.45	0.000303
1	1	62	2035	3	26	1.2639	123.528	6.6500	4.7481	97.7390	4.36	0.003655
1	1	62	2035	3	27	0.9379	25.538	6.6500	4.7481	27.2301	6.18	0.007008
1	1	62	2035	3	28	0.0696	3.063	8.0600	5.7548	43.9743	17.00	0.002242

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MOBILE6 INPUT FILE Baltimore County Regional

REPORT FILE        :  C:\mobile62\Mobile6\Run\Balt\2035\Meso35S.out      REPLACE
DATABASE OUTPUT    :
WITH FIELDNAMES    :
spreadsheet        :  C:\mobile62\Mobile6\Run\Balt\2035\Meso35S.tab    REPLACE
POLLUTANTS         :  HC CO NOX CO2
PARTICULATES       : SO4 OCARBON ECARBON GASPM LEAD SO2 NH3 BRAKE TIRE
AGGREGATED OUTPUT  :
RUN DATA           :

FUEL RVP           : 6.8
EXPRESS HC AS VOC  :
NO REFUELING       :
ANTI-TAMP PROGRAM  :         89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : C:\mobile62\Mobile6\Run\Balt\2035\im2035.d
T2 EXH PHASE-IN    : C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11
T2 EVAP PHASE-IN   : C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11
T2 CERT            : C:\mobile62\Mobile6\Run\Balt\LevIIStd.d
94+ LDG IMP        : C:\mobile62\Mobile6\Run\Balt\LevII94.S11
REG DISTRIBUTION   : C:\mobile62\Mobile6\Run\Balt\regdat05.bal
REBUILD EFFECTS    : .90
DIESEL FRACTIONS   :
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SCENARIO RECORD    : Baltimore County speED=45

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
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EVALUATION MONTH   : 7
AVERAGE SPEED      : 45 FREEWAY
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003102F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003102H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003102S.def

SCENARIO RECORD    : Baltimore County speED=46

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 46 FREEWAY
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003102F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003102H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003102S.def

SCENARIO RECORD    : Baltimore County speED=47

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 47 FREEWAY
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
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*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003102F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003102H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003102S.def

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sCENARIO RECORD    : Baltimore County speED=45

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 45 FREEWAY
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003102F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003102H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003102S.def

SCENARIO RECORD    : Baltimore County speED=46

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 46 FREEWAY
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003102F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003102H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003102S.def


SCENARIO RECORD    : Baltimore County speED=47
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PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 47 FREEWAY
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003102F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003102H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003102S.def

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SCENARIO RECORD    : Baltimore County speED=20

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 20 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def

SCENARIO RECORD    : Baltimore County speED=22

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
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CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 22 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=23

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 23 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=25

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 25 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
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CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=29

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 29 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=30

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 30 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def
```

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SCENARIO RECORD    : Baltimore County speED=20

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 20 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def

SCENARIO RECORD    : Baltimore County speED=22

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 22 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=23

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
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RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 23 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=25

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 25 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=29

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 29 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
```

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80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=30

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 72.87   71.93   71.36   71.22   70.81   71.81   74.61   77.35   79.61   81.20   82.68
83.79
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 7
AVERAGE SPEED      : 30 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 1
SUNRISE/SUNSET     : 6 8
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


END OF RUN         :
```

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MOBILE6 INPUT FILE Baltimore County Regional

REPORT FILE        :  C:\mobile62\Mobile6\Run\Balt\2035\Meso35.out      REPLACE
DATABASE OUTPUT    :
WITH FIELDNAMES    :
spreadsheet        :  C:\mobile62\Mobile6\Run\Balt\2035\Meso35.tab    REPLACE
POLLUTANTS         :  HC CO NOX CO2
PARTICULATES       : SO4 OCARBON ECARBON GASPM LEAD SO2 NH3 BRAKE TIRE
AGGREGATED OUTPUT  :
RUN DATA           :

FUEL RVP           : 6.8
EXPRESS HC AS VOC  :
NO REFUELING       :
ANTI-TAMP PROGRAM  :         89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : C:\mobile62\Mobile6\Run\Balt\2035\im2035.d
T2 EXH PHASE-IN    : C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11
T2 EVAP PHASE-IN   : C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11
T2 CERT            : C:\mobile62\Mobile6\Run\Balt\LevIIStd.d
94+ LDG IMP        : C:\mobile62\Mobile6\Run\Balt\LevII94.S11
REG DISTRIBUTION   : C:\mobile62\Mobile6\Run\Balt\regdat05.bal
REBUILD EFFECTS    : .90
DIESEL FRACTIONS   :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
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0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085 0.0085
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SCENARIO RECORD    : Baltimore County speED=45

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
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EVALUATION MONTH   : 1
AVERAGE SPEED      : 45 FREEWAY
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003102F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003102H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003102S.def

SCENARIO RECORD    : Baltimore County speED=46

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 46 FREEWAY
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003102F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003102H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003102S.def

SCENARIO RECORD    : Baltimore County speED=47

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 47 FREEWAY
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
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*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003102F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003102H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003102S.def

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sCENARIO RECORD    : Baltimore County speED=45

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 45 FREEWAY
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003102F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003102H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003102S.def

SCENARIO RECORD    : Baltimore County speED=46

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 46 FREEWAY
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003102F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003102H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003102S.def


SCENARIO RECORD    : Baltimore County speED=47
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PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 47 FREEWAY
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003102F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003102H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003102S.def

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SCENARIO RECORD    : Baltimore County speED=20

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 20 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def

SCENARIO RECORD    : Baltimore County speED=22

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
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CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 22 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=23

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 23 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=25

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 25 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
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CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=29

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 29 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=30

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 30 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def
```

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**********************************************


SCENARIO RECORD    : Baltimore County speED=20

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 20 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def

SCENARIO RECORD    : Baltimore County speED=22

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 22 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=23

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
```

```
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 23 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=25

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 25 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=29

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 29 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
```

```
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


SCENARIO RECORD    : Baltimore County speED=30

PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 30 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\2035\V003103F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\2035\V003103H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\2035\V003103S.def


END OF RUN         :
```

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: RCNTY35W.INP (file 1, run 1).                             *
*************************************************************************
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


* Reading I/M program description records from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\IM2010.D
*IM Program.  Idle, IM240, and OBD.
*Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

* Reading non-default I/M CUTPOINTS from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\CUTPNT35.D
*CY 2018.
*EPA Final Cutpoints.

  Reading User Supplied Tier2 Exhaust bin phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11


  Reading User Supplied Tier2 EVAP phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11


  Reading User Supplied Tier2 50K certification standards

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIStd.d


* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11

* Reading Registration Distributions from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\REGDAT05.BAL
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M614 Comment:
               User supplied diesel sale fractions.

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=2.5
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  2.5
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
```

```
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
 HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      1.453     1.075     1.759     1.250     1.862    0.060     0.145     0.743
9.39     1.295
     Composite CO  :     18.47     16.25     20.68     17.38     33.45     1.796     0.944     0.970
86.37    16.841
     Composite NOX :      0.228     0.287     0.500     0.341     0.132    0.038     0.064     0.818
1.79     0.346
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=5.0
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV
```

```
* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  5.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
             Maximum Temperature:  38.4 (F)
               Minimum Rel. Hum.:  58.2 (%)
               Maximum Rel. Hum.:  74.9 (%)
             Barometric Pressure: 29.80 (inches Hg)
                Nominal Fuel RVP:   6.8 psi
                   Weathered RVP:   6.8 psi
             Fuel Sulfur Content:   30. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  No

             User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.476     0.412     0.690     0.484     0.796    0.054     0.129     0.653
6.15     0.517
     Composite CO  :     13.28     11.50     14.27     12.21     26.72     1.504     0.786     0.792
51.57    12.009
     Composite NOX :      0.202     0.253     0.439     0.300     0.135    0.034     0.057     0.735
1.68     0.307
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
```

```
* Baltimore County speED=6.0
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  6.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
```

```
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.396     0.352     0.590     0.413     0.675    0.050     0.120     0.606
5.33     0.443
     Composite CO  :     12.48     10.74     13.26     11.39     23.74     1.370     0.713     0.710
43.38    11.175
     Composite NOX :      0.189     0.237     0.413     0.282     0.137    0.032     0.054     0.694
1.64     0.289
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=7.0
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  7.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No
```

```
              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.339     0.308     0.518     0.362     0.588    0.048     0.115     0.572
4.74     0.390
     Composite CO  :     11.90     10.20     12.53     10.80     21.61     1.274     0.661     0.651
37.53    10.578
     Composite NOX :      0.181     0.226     0.394     0.269     0.139    0.031     0.052     0.664
1.62     0.276
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=8.0
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  8.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
```

```
                    Altitude:  Low
          Minimum Temperature:  29.8 (F)
          Maximum Temperature:  38.4 (F)
            Minimum Rel. Hum.:  58.2 (%)
            Maximum Rel. Hum.:  74.9 (%)
          Barometric Pressure: 29.80 (inches Hg)
             Nominal Fuel RVP:   6.8 psi
                Weathered RVP:   6.8 psi
          Fuel Sulfur Content:   30. ppm

          Exhaust I/M Program:  Yes
             Evap I/M Program:  Yes
                  ATP Program:  Yes
             Reformulated Gas:  No

          User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.297     0.276     0.464     0.324     0.523    0.046     0.110     0.547
4.30     0.350
     Composite CO  :     11.47      9.80     11.99     10.36     20.02     1.203     0.622     0.607
33.14    10.131
     Composite NOX :      0.174     0.218     0.380     0.259     0.140    0.030     0.050     0.641
1.61     0.266
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=9.0
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  9.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
```

```
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.264     0.250     0.422     0.294     0.473    0.045     0.107     0.528
3.96     0.319
     Composite CO  :     11.14      9.49     11.57     10.02     18.77     1.147     0.592     0.573
29.73     9.783
     Composite NOX :      0.169     0.211     0.369     0.252     0.141    0.029     0.049     0.624
1.59     0.259
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=10.0
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
```

```
  M583 Warning:
            The user supplied arterial average speed of 10.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.237     0.230     0.389     0.271     0.433    0.044     0.104     0.512
3.69     0.295
     Composite CO  :     10.87      9.23     11.23      9.74     17.78     1.102     0.567     0.546
27.00     9.505
     Composite NOX :      0.165     0.206     0.360     0.246     0.142    0.028     0.048     0.610
1.58     0.253
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=11
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV
```

```
* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 11.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.223     0.217     0.366     0.255     0.397    0.042     0.099     0.485
3.46     0.277
```

```
     Composite CO  :     10.68      9.04     10.97      9.54     16.34     1.034     0.530     0.504
24.83     9.271
     Composite NOX :      0.158     0.198     0.347     0.236     0.144    0.027     0.046     0.587
1.59     0.243
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=12
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 12.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.210     0.206     0.348     0.243     0.367    0.040     0.095     0.462
3.27     0.263
     Composite CO  :     10.51      8.88     10.76      9.36     15.14     0.978     0.500     0.470
23.02     9.077
     Composite NOX :      0.153     0.191     0.335     0.228     0.145    0.026     0.044     0.567
1.59     0.236
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=13
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 13.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
```

```
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.200     0.197     0.332     0.232     0.341    0.039     0.092     0.442
3.11     0.251
     Composite CO  :     10.38      8.75     10.58      9.22     14.12     0.930     0.474     0.441
21.49     8.912
     Composite NOX :      0.148     0.185     0.326     0.221     0.147    0.026     0.043     0.551
1.60     0.229
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=14.
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 14.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
```

```
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.191     0.189     0.319     0.223     0.319    0.038     0.089     0.426
2.97     0.240
     Composite CO  :     10.26      8.63     10.42      9.09     13.25     0.889     0.452     0.416
20.18     8.771
     Composite NOX :      0.144     0.180     0.318     0.216     0.148    0.025     0.042     0.537
1.60     0.223
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=15
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 15.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
```

```
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.184     0.183     0.307     0.215     0.300    0.036     0.086     0.411
2.85     0.231
     Composite CO  :     10.16      8.53     10.29      8.98     12.50     0.853     0.432     0.394
19.04     8.649
     Composite NOX :      0.141     0.176     0.311     0.211     0.149    0.024     0.041     0.524
1.60     0.218
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=16
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
```

```
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 16.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.177     0.177     0.297     0.208     0.281    0.035     0.083     0.393
2.75     0.223
     Composite CO  :     10.07      8.45     10.17      8.89     11.69     0.814     0.411     0.370
18.12     8.537
     Composite NOX :      0.138     0.172     0.305     0.206     0.151    0.024     0.040     0.510
1.62     0.214
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
```

```
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=17
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 17.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.171     0.171     0.288     0.201     0.264    0.034     0.080     0.376
2.67     0.215
     Composite CO  :      9.99      8.37     10.07      8.80     10.98     0.779     0.392     0.349
17.31     8.439
     Composite NOX :      0.135     0.169     0.299     0.202     0.152    0.023     0.039     0.498
1.64     0.210
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=18
* File 1, Run 1, Scenario 15.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 18.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.166     0.167     0.280     0.196     0.249    0.033     0.077     0.362
2.59     0.208
     Composite CO  :      9.92      8.30      9.97      8.73     10.35     0.748     0.375     0.330
16.59     8.351
     Composite NOX :      0.133     0.166     0.294     0.199     0.153    0.023     0.038     0.486
1.66     0.206
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=19
* File 1, Run 1, Scenario 16.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 19.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.161     0.162     0.273     0.191     0.235    0.032     0.075     0.349
2.53     0.202
     Composite CO  :      9.86      8.24      9.89      8.66      9.79     0.720     0.360     0.313
15.95     8.272
     Composite NOX :      0.131     0.163     0.290     0.196     0.155    0.022     0.037     0.476
1.67     0.203
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=20
* File 1, Run 1, Scenario 17.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 20.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.157     0.159     0.267     0.186     0.223    0.031     0.073     0.337
2.46     0.197
     Composite CO  :      9.80      8.19      9.82      8.60      9.28     0.695     0.347     0.298
15.37     8.201
     Composite NOX :      0.129     0.161     0.286     0.193     0.156    0.022     0.037     0.467
1.69     0.200
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=21.
* File 1, Run 1, Scenario 18.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 21.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.153     0.155     0.261     0.182     0.211    0.030     0.071     0.324
2.41     0.192
     Composite CO  :      9.75      8.14      9.76      8.55      8.81     0.671     0.333     0.283
14.84     8.139
     Composite NOX :      0.127     0.159     0.283     0.191     0.157    0.021     0.036     0.459
1.71     0.197
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=22
* File 1, Run 1, Scenario 19.
```

```
* # # #
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.149     0.152     0.256     0.179     0.201    0.029     0.069     0.313
2.36     0.187
     Composite CO  :      9.71      8.09      9.70      8.51      8.37     0.649     0.322     0.269
14.35     8.083
     Composite NOX :      0.126     0.157     0.279     0.188     0.159    0.021     0.035     0.451
1.73     0.195
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=23
* File 1, Run 1, Scenario 20.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 23.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.146     0.149     0.251     0.175     0.191    0.029     0.067     0.302
2.31     0.183
     Composite CO  :      9.67      8.06      9.65      8.46      7.98     0.629     0.311     0.257
13.91     8.032
     Composite NOX :      0.124     0.155     0.276     0.186     0.160    0.021     0.035     0.444
1.75     0.193
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=24
* File 1, Run 1, Scenario 21.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 24.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.143     0.147     0.247     0.172     0.182    0.028     0.065     0.292
2.27     0.179
     Composite CO  :      9.63      8.02      9.60      8.42      7.62     0.610     0.301     0.246
13.50     7.984
     Composite NOX :      0.123     0.154     0.274     0.184     0.161    0.020     0.034     0.437
1.77     0.191
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=25
* File 1, Run 1, Scenario 22.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 25.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.141     0.144     0.243     0.170     0.174    0.027     0.063     0.283
2.23     0.176
     Composite CO  :      9.60      7.99      9.56      8.39      7.28     0.593     0.291     0.235
13.12     7.941
     Composite NOX :      0.122     0.152     0.271     0.183     0.163    0.020     0.034     0.431
1.79     0.189
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=26
* File 1, Run 1, Scenario 23.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 26.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.138     0.143     0.239     0.167     0.167    0.027     0.062     0.274
2.18     0.172
     Composite CO  :      9.59      7.97      9.54      8.38      7.00     0.578     0.283     0.226
12.75     7.918
     Composite NOX :      0.121     0.151     0.269     0.181     0.164    0.020     0.034     0.427
1.81     0.188
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=27
* File 1, Run 1, Scenario 24.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
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* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 27.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.136     0.141     0.236     0.165     0.160    0.026     0.060     0.265
2.15     0.169
     Composite CO  :      9.57      7.96      9.52      8.36      6.73     0.564     0.275     0.217
12.40     7.897
```

```
     Composite NOX :      0.120     0.149     0.267     0.179     0.166    0.020     0.033     0.423
1.83     0.186
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=28.
* File 1, Run 1, Scenario 25.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 28.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.134     0.139     0.234     0.163     0.153    0.026     0.059     0.257
2.11     0.167
     Composite CO  :      9.56      7.95      9.51      8.35      6.48     0.550     0.268     0.209
12.08     7.878
     Composite NOX :      0.119     0.148     0.265     0.178     0.167    0.020     0.033     0.419
1.85     0.185
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=29.
* File 1, Run 1, Scenario 26.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 29.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.132     0.137     0.231     0.161     0.148    0.025     0.058     0.249
2.08     0.164
     Composite CO  :      9.55      7.94      9.49      8.34      6.25     0.538     0.261     0.202
11.78     7.859
     Composite NOX :      0.118     0.147     0.263     0.177     0.168    0.019     0.033     0.416
1.87     0.184
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=30.
* File 1, Run 1, Scenario 27.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 30.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.131     0.136     0.229     0.160     0.142    0.024     0.056     0.242
2.05     0.162
     Composite CO  :      9.54      7.94      9.48      8.33      6.04     0.527     0.255     0.195
11.50     7.843
     Composite NOX :      0.117     0.146     0.261     0.176     0.169    0.019     0.033     0.412
1.88     0.183
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=31
* File 1, Run 1, Scenario 28.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 31.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.129     0.135     0.226     0.158     0.137    0.024     0.055     0.236
2.02     0.160
     Composite CO  :      9.55      7.95      9.49      8.34      5.87     0.517     0.250     0.189
11.23     7.845
     Composite NOX :      0.116     0.145     0.260     0.175     0.171    0.019     0.032     0.411
1.90     0.182
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=32.
* File 1, Run 1, Scenario 29.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 32.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.128     0.134     0.224     0.157     0.133    0.024     0.054     0.229
1.99     0.158
     Composite CO  :      9.56      7.95      9.51      8.35      5.71     0.508     0.245     0.183
10.97     7.847
     Composite NOX :      0.116     0.145     0.260     0.174     0.172    0.019     0.032     0.411
1.91     0.181
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
```

```
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=33
* File 1, Run 1, Scenario 30.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 33.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.126     0.133     0.223     0.156     0.128    0.023     0.053     0.223
1.96     0.156
     Composite CO  :      9.57      7.96      9.52      8.36      5.56     0.500     0.240     0.178
10.73     7.848
     Composite NOX :      0.115     0.144     0.259     0.174     0.174    0.019     0.032     0.410
1.93     0.181
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=34.
* File 1, Run 1, Scenario 31.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 34.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.125     0.132     0.221     0.155     0.124    0.023     0.052     0.218
1.93     0.154
     Composite CO  :      9.57      7.97      9.53      8.37      5.42     0.491     0.236     0.173
10.51     7.850
     Composite NOX :      0.115     0.144     0.258     0.173     0.175    0.019     0.032     0.409
1.94     0.181
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=35
* File 1, Run 1, Scenario 32.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 35.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.124     0.131     0.219     0.154     0.121    0.022     0.051     0.212
1.91     0.153
     Composite CO  :      9.58      7.98      9.54      8.38      5.29     0.484     0.232     0.168
10.29     7.852
     Composite NOX :      0.115     0.143     0.257     0.173     0.176    0.019     0.032     0.408
1.95     0.180
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=36
* File 1, Run 1, Scenario 33.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 36.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.123     0.131     0.219     0.153     0.117    0.022     0.050     0.208
1.89     0.152
     Composite CO  :      9.64      8.04      9.61      8.44      5.20     0.478     0.229     0.165
10.11     7.900
     Composite NOX :      0.115     0.144     0.258     0.173     0.178    0.019     0.032     0.411
1.97     0.181
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=37
* File 1, Run 1, Scenario 34.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 37.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.122     0.130     0.218     0.153     0.114    0.022     0.049     0.203
1.87     0.151
     Composite CO  :      9.69      8.09      9.68      8.50      5.12     0.473     0.226     0.162
9.93     7.945
     Composite NOX :      0.116     0.145     0.259     0.174     0.179    0.019     0.033     0.413
1.98     0.182
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=38
* File 1, Run 1, Scenario 35.
```

```
* # # #
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.122     0.130     0.217     0.153     0.111    0.021     0.049     0.199
1.85     0.150
     Composite CO  :      9.74      8.14      9.75      8.55      5.04     0.468     0.223     0.158
9.77     7.988
     Composite NOX :      0.116     0.145     0.260     0.175     0.181    0.019     0.033     0.415
1.99     0.183
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=39
* File 1, Run 1, Scenario 36.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 39.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.121     0.130     0.217     0.152     0.108    0.021     0.048     0.194
1.83     0.149
     Composite CO  :      9.79      8.19      9.81      8.61      4.96     0.463     0.220     0.155
9.61     8.029
     Composite NOX :      0.117     0.146     0.261     0.175     0.182    0.020     0.033     0.417
1.99     0.184
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=40
* File 1, Run 1, Scenario 37.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 40.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.120     0.130     0.216     0.152     0.106    0.021     0.047     0.190
1.81     0.148
     Composite CO  :      9.83      8.24      9.87      8.66      4.89     0.458     0.218     0.153
9.46     8.068
     Composite NOX :      0.117     0.147     0.262     0.176     0.183    0.020     0.033     0.419
2.00     0.184
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=41
* File 1, Run 1, Scenario 38.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 41.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.120     0.130     0.216     0.152     0.104    0.021     0.046     0.187
1.80     0.147
     Composite CO  :      9.88      8.29      9.94      8.72      4.87     0.455     0.216     0.151
9.34     8.118
     Composite NOX :      0.118     0.147     0.263     0.177     0.185    0.020     0.034     0.425
2.01     0.186
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=42
* File 1, Run 1, Scenario 39.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 42.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.119     0.130     0.215     0.152     0.101    0.020     0.046     0.183
1.79     0.147
     Composite CO  :      9.94      8.35     10.01      8.77      4.85     0.452     0.215     0.149
9.23     8.165
     Composite NOX :      0.119     0.148     0.264     0.178     0.186    0.020     0.034     0.431
2.02     0.187
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=43
* File 1, Run 1, Scenario 40.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
```

```
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 43.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.119     0.129     0.215     0.151     0.099    0.020     0.045     0.180
1.78     0.146
     Composite CO  :      9.99      8.40     10.08      8.83      4.83     0.450     0.214     0.148
9.13     8.211
```

```
     Composite NOX :      0.119     0.149     0.265     0.179     0.187    0.020     0.034     0.436
2.03     0.188
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=44
* File 1, Run 1, Scenario 41.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 44.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.118     0.129     0.215     0.151     0.097    0.020     0.045     0.177
1.76     0.145
     Composite CO  :     10.03      8.45     10.14      8.88      4.81     0.447     0.212     0.146
9.03     8.254
     Composite NOX :      0.120     0.150     0.266     0.180     0.189    0.021     0.035     0.441
2.03     0.189
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=45
* File 1, Run 1, Scenario 42.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 45.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.117     0.129     0.214     0.151     0.096    0.020     0.044     0.174
1.75     0.145
     Composite CO  :     10.08      8.49     10.20      8.93      4.79     0.445     0.211     0.145
8.93     8.295
     Composite NOX :      0.121     0.151     0.267     0.180     0.190    0.021     0.035     0.446
2.04     0.190
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=46
* File 1, Run 1, Scenario 43.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 46.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.117     0.129     0.214     0.151     0.094    0.019     0.044     0.172
1.75     0.144
     Composite CO  :     10.13      8.55     10.27      8.99      4.82     0.445     0.211     0.144
8.88     8.347
     Composite NOX :      0.121     0.151     0.268     0.181     0.191    0.021     0.036     0.456
2.07     0.192
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=47
* File 1, Run 1, Scenario 44.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 47.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.116     0.129     0.213     0.151     0.092    0.019     0.043     0.170
1.75     0.144
     Composite CO  :     10.18      8.60     10.34      9.05      4.85     0.444     0.210     0.144
8.84     8.396
     Composite NOX :      0.122     0.152     0.269     0.182     0.193    0.022     0.037     0.465
2.09     0.194
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=48
* File 1, Run 1, Scenario 45.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 48.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.116     0.129     0.213     0.150     0.091    0.019     0.043     0.167
1.74     0.143
     Composite CO  :     10.23      8.65     10.41      9.10      4.88     0.444     0.210     0.144
8.79     8.444
     Composite NOX :      0.123     0.153     0.271     0.183     0.194    0.022     0.037     0.475
2.11     0.195
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
```

```
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=49
* File 1, Run 1, Scenario 46.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 49.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.115     0.129     0.212     0.150     0.089    0.019     0.043     0.165
1.74     0.143
     Composite CO  :     10.28      8.70     10.47      9.16      4.91     0.444     0.210     0.144
8.75     8.489
     Composite NOX :      0.124     0.154     0.272     0.184     0.196    0.023     0.038     0.483
2.14     0.197
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=50
* File 1, Run 1, Scenario 47.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 50.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
```

```
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.114     0.129     0.212     0.150     0.088    0.019     0.042     0.163
1.74     0.142
     Composite CO  :     10.33      8.75     10.53      9.21      4.94     0.443     0.210     0.144
8.71     8.532
     Composite NOX :      0.124     0.155     0.273     0.185     0.197    0.023     0.039     0.492
2.16     0.198
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=51
* File 1, Run 1, Scenario 48.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 51.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
```

```
 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
                GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.114     0.128     0.211     0.150     0.087    0.019     0.042     0.162
1.74     0.141
     Composite CO  :     10.38      8.81     10.60      9.27      5.04     0.445     0.211     0.145
8.71     8.586
     Composite NOX :      0.125     0.155     0.274     0.186     0.198    0.024     0.040     0.507
2.20     0.201
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=52
* File 1, Run 1, Scenario 49.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 52.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
```

```
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.113     0.128     0.211     0.149     0.085    0.019     0.042     0.160
1.74     0.141
     Composite CO  :     10.43      8.86     10.67      9.32      5.13     0.447     0.212     0.146
8.71     8.637
     Composite NOX :      0.126     0.156     0.275     0.187     0.200    0.024     0.041     0.521
2.25     0.203
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=53
* File 1, Run 1, Scenario 50.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
```

```
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 53.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.112     0.128     0.210     0.149     0.084    0.019     0.042     0.159
1.74     0.140
     Composite CO  :     10.48      8.91     10.74      9.38      5.22     0.449     0.213     0.147
8.71     8.687
     Composite NOX :      0.126     0.157     0.276     0.188     0.201    0.025     0.042     0.535
2.30     0.205
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=54
* File 1, Run 1, Scenario 51.
```

```
* # # #
```

```
 Composite Emission Factors (g/mi):
     Composite VOC :      0.112     0.128     0.210     0.149     0.083    0.018     0.041     0.157
1.74     0.140
     Composite CO  :     10.53      8.96     10.80      9.43      5.31     0.451     0.214     0.148
8.71     8.735
     Composite NOX :      0.127     0.158     0.277     0.189     0.202    0.025     0.043     0.548
2.34     0.207
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=55
* File 1, Run 1, Scenario 52.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 55.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.
```

```
   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.111     0.128     0.209     0.148     0.082    0.018     0.041     0.156
1.74     0.139
     Composite CO  :     10.58      9.01     10.86      9.48      5.40     0.452     0.215     0.149
8.71     8.780
     Composite NOX :      0.128     0.159     0.278     0.189     0.204    0.026     0.044     0.561
2.38     0.209
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=56
* File 1, Run 1, Scenario 53.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 56.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
```

```
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.111     0.128     0.209     0.148     0.081    0.018     0.041     0.155
1.81     0.139
     Composite CO  :     10.63      9.06     10.93      9.54      5.57     0.457     0.217     0.152
9.86     8.839
     Composite NOX :      0.128     0.160     0.280     0.190     0.205    0.027     0.046     0.583
2.43     0.212
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=57
* File 1, Run 1, Scenario 54.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 57.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF
```

```
  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.110     0.127     0.208     0.148     0.081    0.018     0.041     0.155
1.88     0.139
     Composite CO  :     10.68      9.12     11.00      9.60      5.74     0.461     0.220     0.154
10.96     8.896
     Composite NOX :      0.129     0.160     0.281     0.191     0.207    0.028     0.047     0.605
2.47     0.215
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=58
* File 1, Run 1, Scenario 55.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 58.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.110     0.127     0.208     0.148     0.080    0.018     0.041     0.154
1.94     0.139
     Composite CO  :     10.73      9.17     11.07      9.65      5.91     0.465     0.222     0.157
12.03     8.950
     Composite NOX :      0.130     0.161     0.282     0.192     0.208    0.029     0.049     0.625
2.52     0.217
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=59
* File 1, Run 1, Scenario 56.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
```

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* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 59.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.109     0.127     0.207     0.148     0.079    0.018     0.041     0.153
2.01     0.139
     Composite CO  :     10.78      9.22     11.13      9.71      6.07     0.470     0.224     0.160
13.05     9.003
```

```
     Composite NOX :      0.130     0.162     0.283     0.193     0.209    0.030     0.050     0.645
2.56     0.220
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=60
* File 1, Run 1, Scenario 57.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 60.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No
```

```
       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.109     0.127     0.207     0.148     0.079    0.018     0.040     0.153
2.07     0.139
     Composite CO  :     10.82      9.27     11.19      9.76      6.22     0.473     0.226     0.162
14.05     9.054
     Composite NOX :      0.131     0.163     0.284     0.194     0.211    0.031     0.052     0.664
2.60     0.222
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=61
* File 1, Run 1, Scenario 58.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 61.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
               Minimum Temperature:  29.8 (F)
               Maximum Temperature:  38.4 (F)
                 Minimum Rel. Hum.:  58.2 (%)
                 Maximum Rel. Hum.:  74.9 (%)
               Barometric Pressure: 29.80 (inches Hg)
```

```
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.108     0.127     0.207     0.148     0.079    0.018     0.040     0.153
2.14     0.139
     Composite CO  :     10.88      9.32     11.26      9.82      6.51     0.481     0.231     0.167
15.19     9.116
     Composite NOX :      0.132     0.164     0.286     0.195     0.212    0.032     0.054     0.696
2.65     0.226
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=62
* File 1, Run 1, Scenario 59.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 62.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF
```

```
* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.108     0.127     0.207     0.148     0.079    0.018     0.040     0.153
2.21     0.139
     Composite CO  :     10.93      9.37     11.33      9.88      6.79     0.489     0.235     0.171
16.29     9.177
     Composite NOX :      0.133     0.165     0.287     0.196     0.213    0.034     0.057     0.727
2.70     0.230
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=63
* File 1, Run 1, Scenario 60.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 63.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
```

```
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.107     0.127     0.206     0.147     0.078    0.018     0.040     0.153
2.28     0.139
     Composite CO  :     10.98      9.42     11.40      9.93      7.06     0.496     0.239     0.176
17.35     9.235
     Composite NOX :      0.133     0.165     0.288     0.197     0.215    0.035     0.059     0.757
2.74     0.233
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=64
* File 1, Run 1, Scenario 61.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV
```

```
* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 64.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2035
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.107     0.127     0.206     0.147     0.078    0.018     0.040     0.153
2.35     0.139
     Composite CO  :     11.03      9.47     11.46      9.98      7.33     0.503     0.242     0.180
18.38     9.291
     Composite NOX :      0.134     0.166     0.289     0.198     0.216    0.036     0.061     0.786
2.78     0.237
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
```

```
  ---------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore County speED=65
* File 1, Run 1, Scenario 62.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 65.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2035\V003103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2035
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
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   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
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 Composite Emission Factors (g/mi):
     Composite VOC :      0.107     0.127     0.206     0.147     0.078    0.018     0.040     0.153
2.41     0.139
     Composite CO  :     11.07      9.52     11.52     10.04      7.58     0.510     0.246     0.184
19.39     9.346
     Composite NOX :      0.135     0.167     0.290     0.199     0.217    0.037     0.063     0.814
2.83     0.240
     Composite CO2 :    368.0     479.4     624.5     516.5     910.3    314.1     506.3    1454.3      177.4
568.30
  ---------------------------------------------------------------------------------------------------------
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FILE	RUN	SCEN	CAL_YEAR	POL	VTYPE	GM_MILE	GM_DAY	STARTS	ENDS	MILES	MPG	VMT
1	1	1	2035	4	1	368.0	11043.5		7.2800	5.3799	30.0117	24.10
	0.281246											
1	1	1	2035	4	2	479.4	19268.1		8.0600	5.7548	40.1957	18.50
	0.101405											
1	1	1	2035	4	3	479.4	19268.1		8.0600	5.7548	40.1957	18.50
	0.337320											
1	1	1	2035	4	4	624.5	23617.1		8.0600	5.7548	37.8166	14.20
	0.103547											
1	1	1	2035	4	5	624.5	23617.1		8.0600	5.7548	37.8166	14.20
	0.047578											
1	1	1	2035	4	6	875.4	33065.7		6.8800	4.9123	37.7707	10.13
	0.027524											
1	1	1	2035	4	7	944.4	35671.5		6.8800	4.9123	37.7707	9.39
	0.000969											
1	1	1	2035	4	8	948.5	34612.4		6.8800	4.9123	36.4932	9.35
	0.000281											
1	1	1	2035	4	9	1107.1	40402.7		6.8800	4.9123	36.4931	8.01
	0.000959											
1	1	1	2035	4	10	1089.5	39757.5		6.8800	4.9123	36.4932	8.14
	0.001996											
1	1	1	2035	4	11	1190.4	43439.7		6.8800	4.9123	36.4932	7.45
	0.000819											
1	1	1	2035	4	12	1254.3	45774.5		6.8800	4.9123	36.4932	7.07
	0.000002											
1	1	1	2035	4	13	0.0	0.0		0.0000	0.0000	0.0000	0.00
	0.000000											
1	1	1	2035	4	14	314.1	9425.7		7.2800	5.1979	30.0117	32.40
	0.000028											
1	1	1	2035	4	15	460.4	22232.5		8.0600	5.7548	48.2848	22.10
	0.004518											
1	1	1	2035	4	16	785.2	35375.8		6.6500	4.7481	45.0549	12.96
	0.008198											
1	1	1	2035	4	17	872.7	41237.6		6.6500	4.7481	47.2522	11.66
	0.002544											
1	1	1	2035	4	18	997.6	56547.8		6.6500	4.7481	56.6821	10.20
	0.002699											
1	1	1	2035	4	19	1029.9	58379.3		6.6500	4.7481	56.6821	9.88
	0.001293											
1	1	1	2035	4	20	1168.3	75659.1		6.6500	4.7481	64.7605	8.71
	0.006032											
1	1	1	2035	4	21	1351.4	87515.4		6.6500	4.7481	64.7605	7.53
	0.008655											
1	1	1	2035	4	22	1544.1	201080.0		6.6500	4.7481	130.2221	6.59
	0.010278											
1	1	1	2035	4	23	1615.2	319512.5		6.6500	4.7481	197.8148	6.30
	0.036527											
1	1	1	2035	4	24	177.4	1522.2		1.3500	0.9639	8.5822	50.00
	0.002374											
1	1	1	2035	4	25	1374.9	37438.8		6.8800	4.9123	27.2301	6.45
	0.000303											
1	1	1	2035	4	26	2333.9	228113.5		6.6500	4.7481	97.7390	4.36
	0.003655											
1	1	1	2035	4	27	1646.6	44836.4		6.6500	4.7481	27.2301	6.18
	0.007008											
1	1	1	2035	4	28	598.6	26322.0		8.0600	5.7548	43.9743	17.00
	0.002242											
1	1	1	2035	1	1	1.4534	43.620		7.2800	5.3799	30.0117	24.10
	0.281246											
1	1	1	2035	1	2	0.9661	38.834		8.0600	5.7548	40.1957	18.50
	0.101405											
1	1	1	2035	1	3	1.1079	44.532		8.0600	5.7548	40.1957	18.50
	0.337320											
1	1	1	2035	1	4	1.7581	66.487		8.0600	5.7548	37.8166	14.20
	0.103547											
1	1	1	2035	1	5	1.7622	66.640		8.0600	5.7548	37.8166	14.20
	0.047578											
1	1	1	2035	1	6	1.8759	70.854		6.8800	4.9123	37.7707	10.13
	0.027524											
1	1	1	2035	1	7	1.8109	68.400		6.8800	4.9123	37.7707	9.39
	0.000969											
1	1	1	2035	1	8	1.6088	58.711		6.8800	4.9123	36.4932	9.35
	0.000281											
1	1	1	2035	1	9	1.7043	62.194		6.8800	4.9123	36.4931	8.01
	0.000959											
1	1	1	2035	1	10	1.6995	62.021		6.8800	4.9123	36.4932	8.14
	0.001996											
1	1	1	2035	1	11	1.7646	64.396		6.8800	4.9123	36.4932	7.45
	0.000819											
1	1	1	2035	1	12	1.8348	66.957		6.8800	4.9123	36.4932	7.07
	0.000002											
1	1	1	2035	1	13	0.0000	0.000		0.0000	0.0000	0.0000	0.00
	0.000000											
1	1	1	2035	1	14	0.0601	1.803		7.2800	5.1979	30.0117	32.40
	0.000028											
1	1	1	2035	1	15	0.1216	5.872		8.0600	5.7548	48.2848	22.10
	0.004518											
1	1	1	2035	1	16	0.3208	14.451		6.6500	4.7481	45.0549	12.96
	0.008198											
1	1	1	2035	1	17	0.3662	17.306		6.6500	4.7481	47.2522	11.66
	0.002544											
1	1	1	2035	1	18	0.4277	24.241		6.6500	4.7481	56.6821	10.20
	0.002699											
1	1	1	2035	1	19	0.4618	26.175		6.6500	4.7481	56.6821	9.88
	0.001293											

1	1	1	2035	1	20	0.5710	36.977	6.6500	4.7481	64.7605	8.71	0.006032
1	1	1	2035	1	21	0.7075	45.816	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2035	1	22	0.8098	105.460	6.6500	4.7481	130.2221	6.59	0.010278
1	1	1	2035	1	23	0.8895	175.949	6.6500	4.7481	197.8148	6.30	0.036527
1	1	1	2035	1	24	9.3873	80.564	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2035	1	25	2.7817	75.746	6.8800	4.9123	27.2301	6.45	0.000303
1	1	1	2035	1	26	0.7325	71.594	6.6500	4.7481	97.7390	4.36	0.003655
1	1	1	2035	1	27	0.8781	23.910	6.6500	4.7481	27.2301	6.18	0.007008
1	1	1	2035	1	28	0.1908	8.390	8.0600	5.7548	43.9743	17.00	0.002242
1	1	1	2035	2	1	18.4667	554.217	7.2800	5.3799	30.0117	24.10	0.281246
1	1	1	2035	2	2	15.5261	624.083	8.0600	5.7548	40.1957	18.50	0.101405
1	1	1	2035	2	3	16.4622	661.708	8.0600	5.7548	40.1957	18.50	0.337320
1	1	1	2035	2	4	20.5550	777.320	8.0600	5.7548	37.8166	14.20	0.103547
1	1	1	2035	2	5	20.9500	792.259	8.0600	5.7548	37.8166	14.20	0.047578
1	1	1	2035	2	6	30.9664	1169.623	6.8800	4.9123	37.7707	10.13	0.027524
1	1	1	2035	2	7	39.9978	1510.744	6.8800	4.9123	37.7707	9.39	0.000969
1	1	1	2035	2	8	38.8713	1418.537	6.8800	4.9123	36.4932	9.35	0.000281
1	1	1	2035	2	9	45.4019	1656.859	6.8800	4.9123	36.4931	8.01	0.000959
1	1	1	2035	2	10	44.9366	1639.878	6.8800	4.9123	36.4932	8.14	0.001996
1	1	1	2035	2	11	53.4106	1949.122	6.8800	4.9123	36.4932	7.45	0.000819
1	1	1	2035	2	12	56.8814	2075.781	6.8800	4.9123	36.4932	7.07	0.000002
1	1	1	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	1	2035	2	14	1.7961	53.903	7.2800	5.1979	30.0117	32.40	0.000028
1	1	1	2035	2	15	0.8653	41.782	8.0600	5.7548	48.2848	22.10	0.004518
1	1	1	2035	2	16	0.4270	19.240	6.6500	4.7481	45.0549	12.96	0.008198
1	1	1	2035	2	17	0.4890	23.105	6.6500	4.7481	47.2522	11.66	0.002544
1	1	1	2035	2	18	0.5705	32.336	6.6500	4.7481	56.6821	10.20	0.002699
1	1	1	2035	2	19	0.6161	34.923	6.6500	4.7481	56.6821	9.88	0.001293
1	1	1	2035	2	20	0.6324	40.955	6.6500	4.7481	64.7605	8.71	0.006032
1	1	1	2035	2	21	0.7856	50.878	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2035	2	22	1.0823	140.936	6.6500	4.7481	130.2221	6.59	0.010278
1	1	1	2035	2	23	1.1866	234.726	6.6500	4.7481	197.8148	6.30	0.036527
1	1	1	2035	2	24	86.3718	741.262	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2035	2	25	64.9246	1767.906	6.8800	4.9123	27.2301	6.45	0.000303
1	1	1	2035	2	26	1.4441	141.147	6.6500	4.7481	97.7390	4.36	0.003655
1	1	1	2035	2	27	0.9747	26.541	6.6500	4.7481	27.2301	6.18	0.007008
1	1	1	2035	2	28	1.1018	48.451	8.0600	5.7548	43.9743	17.00	0.002242
1	1	1	2035	3	1	0.2280	6.842	7.2800	5.3799	30.0117	24.10	0.281246
1	1	1	2035	3	2	0.2221	8.928	8.0600	5.7548	40.1957	18.50	0.101405
1	1	1	2035	3	3	0.3061	12.306	8.0600	5.7548	40.1957	18.50	0.337320
1	1	1	2035	3	4	0.4907	18.558	8.0600	5.7548	37.8166	14.20	0.103547
1	1	1	2035	3	5	0.5210	19.702	8.0600	5.7548	37.8166	14.20	0.047578
1	1	1	2035	3	6	0.1243	4.693	6.8800	4.9123	37.7707	10.13	0.027524
1	1	1	2035	3	7	0.1619	6.116	6.8800	4.9123	37.7707	9.39	0.000969
1	1	1	2035	3	8	0.1447	5.282	6.8800	4.9123	36.4932	9.35	0.000281
1	1	1	2035	3	9	0.1663	6.067	6.8800	4.9123	36.4931	8.01	0.000959
1	1	1	2035	3	10	0.1645	6.002	6.8800	4.9123	36.4932	8.14	0.001996

1	1	1	2035	3	11	0.1871	6.827	6.8800	4.9123	36.4932	7.45	0.000819
1	1	1	2035	3	12	0.1978	7.219	6.8800	4.9123	36.4932	7.07	0.000002
1	1	1	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	1	2035	3	14	0.0376	1.129	7.2800	5.1979	30.0117	32.40	0.000028
1	1	1	2035	3	15	0.0606	2.924	8.0600	5.7548	48.2848	22.10	0.004518
1	1	1	2035	3	16	0.3433	15.467	6.6500	4.7481	45.0549	12.96	0.008198
1	1	1	2035	3	17	0.3941	18.621	6.6500	4.7481	47.2522	11.66	0.002544
1	1	1	2035	3	18	0.4589	26.010	6.6500	4.7481	56.6821	10.20	0.002699
1	1	1	2035	3	19	0.4957	28.095	6.6500	4.7481	56.6821	9.88	0.001293
1	1	1	2035	3	20	0.6130	39.698	6.6500	4.7481	64.7605	8.71	0.006032
1	1	1	2035	3	21	0.7601	49.226	6.6500	4.7481	64.7605	7.53	0.008655
1	1	1	2035	3	22	0.8705	113.354	6.6500	4.7481	130.2221	6.59	0.010278
1	1	1	2035	3	23	0.9563	189.167	6.6500	4.7481	197.8148	6.30	0.036527
1	1	1	2035	3	24	1.7876	15.341	1.3500	0.9639	8.5822	50.00	0.002374
1	1	1	2035	3	25	0.2254	6.137	6.8800	4.9123	27.2301	6.45	0.000303
1	1	1	2035	3	26	1.2698	124.108	6.6500	4.7481	97.7390	4.36	0.003655
1	1	1	2035	3	27	0.9423	25.658	6.6500	4.7481	27.2301	6.18	0.007008
1	1	1	2035	3	28	0.0700	3.077	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	2	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	2	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2035	1	1	0.4756	14.272	7.2800	5.3799	30.0117	24.10	0.281246

1	1	2	2035	1	2	0.3427	13.776	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2035	1	3	0.4332	17.413	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2035	1	4	0.6897	26.082	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2035	1	5	0.6917	26.159	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2035	1	6	0.7997	30.204	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2035	1	7	0.7479	28.248	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2035	1	8	0.6762	24.675	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2035	1	9	0.7522	27.450	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2035	1	10	0.7484	27.312	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2035	1	11	0.8003	29.206	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2035	1	12	0.8562	31.247	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2035	1	14	0.0537	1.610	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2035	1	15	0.1082	5.223	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2035	1	16	0.2819	12.699	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2035	1	17	0.3218	15.208	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2035	1	18	0.3758	21.302	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2035	1	19	0.4058	23.002	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2035	1	20	0.5018	32.494	6.6500	4.7481	64.7605	8.71	0.006032
1	1	2	2035	1	21	0.6217	40.261	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2035	1	22	0.7117	92.673	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2035	1	23	0.7816	154.616	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2035	1	24	6.1476	52.760	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2035	1	25	1.1231	30.581	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2035	1	26	0.6437	62.913	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2035	1	27	0.7716	21.011	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2035	1	28	0.1700	7.474	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2035	2	1	13.2784	398.508	7.2800	5.3799	30.0117	24.10	0.281246
1	1	2	2035	2	2	10.9709	440.983	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2035	2	3	11.6535	468.421	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2035	2	4	14.1778	536.158	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2035	2	5	14.4780	547.510	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2035	2	6	24.7427	934.547	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2035	2	7	31.9588	1207.108	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2035	2	8	31.0588	1133.433	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2035	2	9	36.2768	1323.856	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2035	2	10	35.9050	1310.288	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2035	2	11	42.6759	1557.379	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2035	2	12	45.4491	1658.582	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2035	2	14	1.5044	45.151	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2035	2	15	0.7197	34.752	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2035	2	16	0.3486	15.706	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2035	2	17	0.3992	18.862	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2035	2	18	0.4657	26.397	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2035	2	19	0.5030	28.508	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2035	2	20	0.5163	33.433	6.6500	4.7481	64.7605	8.71	0.006032

1	1	2	2035	2	21	0.6413	41.533	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2035	2	22	0.8835	115.050	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2035	2	23	0.9687	191.613	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2035	2	24	51.5714	442.598	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2035	2	25	51.8758	1412.584	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2035	2	26	1.1789	115.223	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2035	2	27	0.7957	21.666	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2035	2	28	0.9182	40.378	8.0600	5.7548	43.9743	17.00	0.002242
1	1	2	2035	3	1	0.2018	6.056	7.2800	5.3799	30.0117	24.10	0.281246
1	1	2	2035	3	2	0.1962	7.888	8.0600	5.7548	40.1957	18.50	0.101405
1	1	2	2035	3	3	0.2698	10.846	8.0600	5.7548	40.1957	18.50	0.337320
1	1	2	2035	3	4	0.4314	16.313	8.0600	5.7548	37.8166	14.20	0.103547
1	1	2	2035	3	5	0.4554	17.221	8.0600	5.7548	37.8166	14.20	0.047578
1	1	2	2035	3	6	0.1275	4.815	6.8800	4.9123	37.7707	10.13	0.027524
1	1	2	2035	3	7	0.1661	6.275	6.8800	4.9123	37.7707	9.39	0.000969
1	1	2	2035	3	8	0.1485	5.419	6.8800	4.9123	36.4932	9.35	0.000281
1	1	2	2035	3	9	0.1706	6.225	6.8800	4.9123	36.4931	8.01	0.000959
1	1	2	2035	3	10	0.1687	6.158	6.8800	4.9123	36.4932	8.14	0.001996
1	1	2	2035	3	11	0.1919	7.004	6.8800	4.9123	36.4932	7.45	0.000819
1	1	2	2035	3	12	0.2030	7.407	6.8800	4.9123	36.4932	7.07	0.000002
1	1	2	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	2	2035	3	14	0.0339	1.017	7.2800	5.1979	30.0117	32.40	0.000028
1	1	2	2035	3	15	0.0545	2.632	8.0600	5.7548	48.2848	22.10	0.004518
1	1	2	2035	3	16	0.3085	13.901	6.6500	4.7481	45.0549	12.96	0.008198
1	1	2	2035	3	17	0.3542	16.737	6.6500	4.7481	47.2522	11.66	0.002544
1	1	2	2035	3	18	0.4124	23.378	6.6500	4.7481	56.6821	10.20	0.002699
1	1	2	2035	3	19	0.4455	25.252	6.6500	4.7481	56.6821	9.88	0.001293
1	1	2	2035	3	20	0.5510	35.681	6.6500	4.7481	64.7605	8.71	0.006032
1	1	2	2035	3	21	0.6832	44.245	6.6500	4.7481	64.7605	7.53	0.008655
1	1	2	2035	3	22	0.7824	101.883	6.6500	4.7481	130.2221	6.59	0.010278
1	1	2	2035	3	23	0.8595	170.025	6.6500	4.7481	197.8148	6.30	0.036527
1	1	2	2035	3	24	1.6763	14.386	1.3500	0.9639	8.5822	50.00	0.002374
1	1	2	2035	3	25	0.2312	6.297	6.8800	4.9123	27.2301	6.45	0.000303
1	1	2	2035	3	26	1.1413	111.549	6.6500	4.7481	97.7390	4.36	0.003655
1	1	2	2035	3	27	0.8469	23.062	6.6500	4.7481	27.2301	6.18	0.007008
1	1	2	2035	3	28	0.0630	2.770	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	3	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819

1	1	3	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2035	1	1	0.3961	11.888	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2035	1	2	0.2887	11.605	8.0600	5.7548	40.1957	18.50	0.101405
1	1	3	2035	1	3	0.3705	14.891	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2035	1	4	0.5892	22.282	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2035	1	5	0.5908	22.344	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2035	1	6	0.6779	25.604	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2035	1	7	0.6321	23.873	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2035	1	8	0.5727	20.900	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2035	1	9	0.6400	23.356	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2035	1	10	0.6367	23.234	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2035	1	11	0.6826	24.910	6.8800	4.9123	36.4932	7.45	0.000819
1	1	3	2035	1	12	0.7321	26.716	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2035	1	14	0.0503	1.511	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2035	1	15	0.1012	4.887	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2035	1	16	0.2617	11.789	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2035	1	17	0.2988	14.118	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2035	1	18	0.3489	19.776	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2035	1	19	0.3767	21.354	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2035	1	20	0.4658	30.166	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2035	1	21	0.5772	37.377	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2035	1	22	0.6607	86.033	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2035	1	23	0.7256	143.538	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2035	1	24	5.3283	45.728	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2035	1	25	0.9460	25.759	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2035	1	26	0.5976	58.406	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2035	1	27	0.7163	19.506	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2035	1	28	0.1591	6.998	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2035	2	1	12.4760	374.425	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2035	2	2	10.2438	411.758	8.0600	5.7548	40.1957	18.50	0.101405

1	1	3	2035	2	3	10.8915	437.792	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2035	2	4	13.1672	497.941	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2035	2	5	13.4529	508.742	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2035	2	6	21.9823	830.286	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2035	2	7	28.3934	1072.439	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2035	2	8	27.5938	1006.984	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2035	2	9	32.2297	1176.163	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2035	2	10	31.8994	1164.108	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2035	2	11	37.9149	1383.633	6.8800	4.9123	36.4932	7.45	0.000819
1	1	3	2035	2	12	40.3787	1473.545	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2035	2	14	1.3703	41.125	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2035	2	15	0.6528	31.519	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2035	2	16	0.3125	14.081	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2035	2	17	0.3579	16.910	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2035	2	18	0.4175	23.665	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2035	2	19	0.4509	25.558	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2035	2	20	0.4628	29.973	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2035	2	21	0.5750	37.235	6.6500	4.7481	64.7605	7.53	0.008655
1	1	3	2035	2	22	0.7921	103.144	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2035	2	23	0.8684	171.783	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2035	2	24	43.3811	372.306	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2035	2	25	46.0883	1254.992	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2035	2	26	1.0569	103.298	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2035	2	27	0.7133	19.424	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2035	2	28	0.8338	36.664	8.0600	5.7548	43.9743	17.00	0.002242
1	1	3	2035	3	1	0.1894	5.686	7.2800	5.3799	30.0117	24.10	0.281246
1	1	3	2035	3	2	0.1840	7.397	8.0600	5.7548	40.1957	18.50	0.101405
1	1	3	2035	3	3	0.2532	10.178	8.0600	5.7548	40.1957	18.50	0.337320
1	1	3	2035	3	4	0.4054	15.331	8.0600	5.7548	37.8166	14.20	0.103547
1	1	3	2035	3	5	0.4285	16.206	8.0600	5.7548	37.8166	14.20	0.047578
1	1	3	2035	3	6	0.1296	4.897	6.8800	4.9123	37.7707	10.13	0.027524
1	1	3	2035	3	7	0.1689	6.381	6.8800	4.9123	37.7707	9.39	0.000969
1	1	3	2035	3	8	0.1510	5.511	6.8800	4.9123	36.4932	9.35	0.000281
1	1	3	2035	3	9	0.1735	6.330	6.8800	4.9123	36.4931	8.01	0.000959
1	1	3	2035	3	10	0.1716	6.262	6.8800	4.9123	36.4932	8.14	0.001996
1	1	3	2035	3	11	0.1952	7.123	6.8800	4.9123	36.4932	7.45	0.000819
1	1	3	2035	3	12	0.2064	7.532	6.8800	4.9123	36.4932	7.07	0.000002
1	1	3	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	3	2035	3	14	0.0320	0.961	7.2800	5.1979	30.0117	32.40	0.000028
1	1	3	2035	3	15	0.0515	2.485	8.0600	5.7548	48.2848	22.10	0.004518
1	1	3	2035	3	16	0.2910	13.112	6.6500	4.7481	45.0549	12.96	0.008198
1	1	3	2035	3	17	0.3341	15.786	6.6500	4.7481	47.2522	11.66	0.002544
1	1	3	2035	3	18	0.3890	22.051	6.6500	4.7481	56.6821	10.20	0.002699
1	1	3	2035	3	19	0.4202	23.818	6.6500	4.7481	56.6821	9.88	0.001293
1	1	3	2035	3	20	0.5197	33.655	6.6500	4.7481	64.7605	8.71	0.006032
1	1	3	2035	3	21	0.6444	41.732	6.6500	4.7481	64.7605	7.53	0.008655

1	1	3	2035	3	22	0.7380	96.098	6.6500	4.7481	130.2221	6.59	0.010278
1	1	3	2035	3	23	0.8107	160.370	6.6500	4.7481	197.8148	6.30	0.036527
1	1	3	2035	3	24	1.6447	14.116	1.3500	0.9639	8.5822	50.00	0.002374
1	1	3	2035	3	25	0.2351	6.403	6.8800	4.9123	27.2301	6.45	0.000303
1	1	3	2035	3	26	1.0765	105.215	6.6500	4.7481	97.7390	4.36	0.003655
1	1	3	2035	3	27	0.7988	21.752	6.6500	4.7481	27.2301	6.18	0.007008
1	1	3	2035	3	28	0.0595	2.615	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	4	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	4	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	4	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	4	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	4	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	4	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	4	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	4	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	4	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	4	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	4	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	4	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	4	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	4	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	4	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	4	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	4	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	4	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	4	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	4	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	4	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2035	1	1	0.3394	10.185	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2035	1	2	0.2501	10.054	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2035	1	3	0.3256	13.089	8.0600	5.7548	40.1957	18.50	0.337320
1	1	4	2035	1	4	0.5174	19.568	8.0600	5.7548	37.8166	14.20	0.103547
1	1	4	2035	1	5	0.5188	19.619	8.0600	5.7548	37.8166	14.20	0.047578
1	1	4	2035	1	6	0.5909	22.318	6.8800	4.9123	37.7707	10.13	0.027524
1	1	4	2035	1	7	0.5493	20.748	6.8800	4.9123	37.7707	9.39	0.000969
1	1	4	2035	1	8	0.4988	18.203	6.8800	4.9123	36.4932	9.35	0.000281
1	1	4	2035	1	9	0.5599	20.432	6.8800	4.9123	36.4931	8.01	0.000959
1	1	4	2035	1	10	0.5569	20.321	6.8800	4.9123	36.4932	8.14	0.001996
1	1	4	2035	1	11	0.5985	21.841	6.8800	4.9123	36.4932	7.45	0.000819
1	1	4	2035	1	12	0.6434	23.480	6.8800	4.9123	36.4932	7.07	0.000002

1	1	4	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2035	1	14	0.0480	1.439	7.2800	5.1979	30.0117	32.40	0.000028
1	1	4	2035	1	15	0.0962	4.646	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2035	1	16	0.2472	11.140	6.6500	4.7481	45.0549	12.96	0.008198
1	1	4	2035	1	17	0.2823	13.340	6.6500	4.7481	47.2522	11.66	0.002544
1	1	4	2035	1	18	0.3297	18.686	6.6500	4.7481	56.6821	10.20	0.002699
1	1	4	2035	1	19	0.3560	20.177	6.6500	4.7481	56.6821	9.88	0.001293
1	1	4	2035	1	20	0.4401	28.503	6.6500	4.7481	64.7605	8.71	0.006032
1	1	4	2035	1	21	0.5453	35.316	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2035	1	22	0.6242	81.290	6.6500	4.7481	130.2221	6.59	0.010278
1	1	4	2035	1	23	0.6856	135.625	6.6500	4.7481	197.8148	6.30	0.036527
1	1	4	2035	1	24	4.7431	40.706	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2035	1	25	0.8195	22.315	6.8800	4.9123	27.2301	6.45	0.000303
1	1	4	2035	1	26	0.5646	55.186	6.6500	4.7481	97.7390	4.36	0.003655
1	1	4	2035	1	27	0.6768	18.431	6.6500	4.7481	27.2301	6.18	0.007008
1	1	4	2035	1	28	0.1514	6.658	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2035	2	1	11.9028	357.223	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2035	2	2	9.7245	390.883	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2035	2	3	10.3472	415.913	8.0600	5.7548	40.1957	18.50	0.337320
1	1	4	2035	2	4	12.4454	470.643	8.0600	5.7548	37.8166	14.20	0.103547
1	1	4	2035	2	5	12.7206	481.051	8.0600	5.7548	37.8166	14.20	0.047578
1	1	4	2035	2	6	20.0106	755.815	6.8800	4.9123	37.7707	10.13	0.027524
1	1	4	2035	2	7	25.8467	976.248	6.8800	4.9123	37.7707	9.39	0.000969
1	1	4	2035	2	8	25.1188	916.663	6.8800	4.9123	36.4932	9.35	0.000281
1	1	4	2035	2	9	29.3389	1070.668	6.8800	4.9123	36.4931	8.01	0.000959
1	1	4	2035	2	10	29.0382	1059.694	6.8800	4.9123	36.4932	8.14	0.001996
1	1	4	2035	2	11	34.5141	1259.529	6.8800	4.9123	36.4932	7.45	0.000819
1	1	4	2035	2	12	36.7569	1341.377	6.8800	4.9123	36.4932	7.07	0.000002
1	1	4	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2035	2	14	1.2745	38.249	7.2800	5.1979	30.0117	32.40	0.000028
1	1	4	2035	2	15	0.6049	29.209	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2035	2	16	0.2868	12.920	6.6500	4.7481	45.0549	12.96	0.008198
1	1	4	2035	2	17	0.3284	15.515	6.6500	4.7481	47.2522	11.66	0.002544
1	1	4	2035	2	18	0.3831	21.714	6.6500	4.7481	56.6821	10.20	0.002699
1	1	4	2035	2	19	0.4137	23.451	6.6500	4.7481	56.6821	9.88	0.001293
1	1	4	2035	2	20	0.4247	27.502	6.6500	4.7481	64.7605	8.71	0.006032
1	1	4	2035	2	21	0.5276	34.164	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2035	2	22	0.7268	94.639	6.6500	4.7481	130.2221	6.59	0.010278
1	1	4	2035	2	23	0.7968	157.619	6.6500	4.7481	197.8148	6.30	0.036527
1	1	4	2035	2	24	37.5308	322.097	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2035	2	25	41.9545	1142.426	6.8800	4.9123	27.2301	6.45	0.000303
1	1	4	2035	2	26	0.9697	94.781	6.6500	4.7481	97.7390	4.36	0.003655
1	1	4	2035	2	27	0.6545	17.822	6.6500	4.7481	27.2301	6.18	0.007008
1	1	4	2035	2	28	0.7734	34.012	8.0600	5.7548	43.9743	17.00	0.002242
1	1	4	2035	3	1	0.1806	5.421	7.2800	5.3799	30.0117	24.10	0.281246
1	1	4	2035	3	2	0.1753	7.046	8.0600	5.7548	40.1957	18.50	0.101405
1	1	4	2035	3	3	0.2413	9.701	8.0600	5.7548	40.1957	18.50	0.337320

1	1	4	2035	3	4	0.3869	14.630	8.0600	5.7548	37.8166	14.20	0.103547
1	1	4	2035	3	5	0.4094	15.480	8.0600	5.7548	37.8166	14.20	0.047578
1	1	4	2035	3	6	0.1312	4.955	6.8800	4.9123	37.7707	10.13	0.027524
1	1	4	2035	3	7	0.1709	6.457	6.8800	4.9123	37.7707	9.39	0.000969
1	1	4	2035	3	8	0.1528	5.576	6.8800	4.9123	36.4932	9.35	0.000281
1	1	4	2035	3	9	0.1755	6.405	6.8800	4.9123	36.4931	8.01	0.000959
1	1	4	2035	3	10	0.1736	6.336	6.8800	4.9123	36.4932	8.14	0.001996
1	1	4	2035	3	11	0.1975	7.207	6.8800	4.9123	36.4932	7.45	0.000819
1	1	4	2035	3	12	0.2089	7.622	6.8800	4.9123	36.4932	7.07	0.000002
1	1	4	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	4	2035	3	14	0.0307	0.920	7.2800	5.1979	30.0117	32.40	0.000028
1	1	4	2035	3	15	0.0493	2.379	8.0600	5.7548	48.2848	22.10	0.004518
1	1	4	2035	3	16	0.2785	12.548	6.6500	4.7481	45.0549	12.96	0.008198
1	1	4	2035	3	17	0.3197	15.107	6.6500	4.7481	47.2522	11.66	0.002544
1	1	4	2035	3	18	0.3723	21.102	6.6500	4.7481	56.6821	10.20	0.002699
1	1	4	2035	3	19	0.4021	22.794	6.6500	4.7481	56.6821	9.88	0.001293
1	1	4	2035	3	20	0.4973	32.208	6.6500	4.7481	64.7605	8.71	0.006032
1	1	4	2035	3	21	0.6167	39.938	6.6500	4.7481	64.7605	7.53	0.008655
1	1	4	2035	3	22	0.7062	91.966	6.6500	4.7481	130.2221	6.59	0.010278
1	1	4	2035	3	23	0.7758	153.474	6.6500	4.7481	197.8148	6.30	0.036527
1	1	4	2035	3	24	1.6222	13.922	1.3500	0.9639	8.5822	50.00	0.002374
1	1	4	2035	3	25	0.2379	6.479	6.8800	4.9123	27.2301	6.45	0.000303
1	1	4	2035	3	26	1.0302	100.691	6.6500	4.7481	97.7390	4.36	0.003655
1	1	4	2035	3	27	0.7645	20.817	6.6500	4.7481	27.2301	6.18	0.007008
1	1	4	2035	3	28	0.0570	2.505	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	5	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	5	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	5	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	5	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	5	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	5	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	5	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	5	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	5	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	5	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	5	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	5	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	5	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	5	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	5	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	5	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	5	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	5	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278

1	1	5	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	5	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	5	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	5	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	5	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2035	1	1	0.2968	8.908	7.2800	5.3799	30.0117	24.10	0.281246
1	1	5	2035	1	2	0.2212	8.891	8.0600	5.7548	40.1957	18.50	0.101405
1	1	5	2035	1	3	0.2920	11.737	8.0600	5.7548	40.1957	18.50	0.337320
1	1	5	2035	1	4	0.4636	17.532	8.0600	5.7548	37.8166	14.20	0.103547
1	1	5	2035	1	5	0.4647	17.575	8.0600	5.7548	37.8166	14.20	0.047578
1	1	5	2035	1	6	0.5257	19.854	6.8800	4.9123	37.7707	10.13	0.027524
1	1	5	2035	1	7	0.4873	18.404	6.8800	4.9123	37.7707	9.39	0.000969
1	1	5	2035	1	8	0.4434	16.181	6.8800	4.9123	36.4932	9.35	0.000281
1	1	5	2035	1	9	0.4998	18.239	6.8800	4.9123	36.4931	8.01	0.000959
1	1	5	2035	1	10	0.4970	18.137	6.8800	4.9123	36.4932	8.14	0.001996
1	1	5	2035	1	11	0.5354	19.540	6.8800	4.9123	36.4932	7.45	0.000819
1	1	5	2035	1	12	0.5769	21.054	6.8800	4.9123	36.4932	7.07	0.000002
1	1	5	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	5	2035	1	14	0.0462	1.386	7.2800	5.1979	30.0117	32.40	0.000028
1	1	5	2035	1	15	0.0925	4.466	8.0600	5.7548	48.2848	22.10	0.004518
1	1	5	2035	1	16	0.2364	10.652	6.6500	4.7481	45.0549	12.96	0.008198
1	1	5	2035	1	17	0.2700	12.756	6.6500	4.7481	47.2522	11.66	0.002544
1	1	5	2035	1	18	0.3152	17.868	6.6500	4.7481	56.6821	10.20	0.002699
1	1	5	2035	1	19	0.3404	19.294	6.6500	4.7481	56.6821	9.88	0.001293
1	1	5	2035	1	20	0.4209	27.256	6.6500	4.7481	64.7605	8.71	0.006032
1	1	5	2035	1	21	0.5215	33.771	6.6500	4.7481	64.7605	7.53	0.008655
1	1	5	2035	1	22	0.5969	77.733	6.6500	4.7481	130.2221	6.59	0.010278
1	1	5	2035	1	23	0.6556	129.691	6.6500	4.7481	197.8148	6.30	0.036527
1	1	5	2035	1	24	4.3042	36.939	1.3500	0.9639	8.5822	50.00	0.002374
1	1	5	2035	1	25	0.7247	19.732	6.8800	4.9123	27.2301	6.45	0.000303
1	1	5	2035	1	26	0.5399	52.771	6.6500	4.7481	97.7390	4.36	0.003655
1	1	5	2035	1	27	0.6472	17.624	6.6500	4.7481	27.2301	6.18	0.007008
1	1	5	2035	1	28	0.1456	6.403	8.0600	5.7548	43.9743	17.00	0.002242
1	1	5	2035	2	1	11.4729	344.322	7.2800	5.3799	30.0117	24.10	0.281246
1	1	5	2035	2	2	9.3350	375.227	8.0600	5.7548	40.1957	18.50	0.101405
1	1	5	2035	2	3	9.9390	399.505	8.0600	5.7548	40.1957	18.50	0.337320
1	1	5	2035	2	4	11.9040	450.169	8.0600	5.7548	37.8166	14.20	0.103547
1	1	5	2035	2	5	12.1714	460.282	8.0600	5.7548	37.8166	14.20	0.047578
1	1	5	2035	2	6	18.5318	699.961	6.8800	4.9123	37.7707	10.13	0.027524
1	1	5	2035	2	7	23.9367	904.104	6.8800	4.9123	37.7707	9.39	0.000969
1	1	5	2035	2	8	23.2625	848.922	6.8800	4.9123	36.4932	9.35	0.000281
1	1	5	2035	2	9	27.1708	991.546	6.8800	4.9123	36.4931	8.01	0.000959
1	1	5	2035	2	10	26.8923	981.384	6.8800	4.9123	36.4932	8.14	0.001996
1	1	5	2035	2	11	31.9636	1166.451	6.8800	4.9123	36.4932	7.45	0.000819
1	1	5	2035	2	12	34.0406	1242.250	6.8800	4.9123	36.4932	7.07	0.000002
1	1	5	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	5	2035	2	14	1.2026	36.093	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	5	2035	2	15	0.5691	27.477	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	5	2035	2	16	0.2674	12.049	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	5	2035	2	17	0.3062	14.470	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	5	2035	2	18	0.3573	20.250	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	5	2035	2	19	0.3858	21.870	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	5	2035	2	20	0.3960	25.648	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	5	2035	2	21	0.4920	31.862	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	5	2035	2	22	0.6778	88.260	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	5	2035	2	23	0.7431	146.995	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	5	2035	2	24	33.1431	284.441	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	5	2035	2	25	38.8541	1058.002	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	5	2035	2	26	0.9044	88.392	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	5	2035	2	27	0.6104	16.621	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	5	2035	2	28	0.7282	32.022	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	5	2035	3	1	0.1740	5.222	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	5	2035	3	2	0.1688	6.783	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	5	2035	3	3	0.2324	9.343	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	5	2035	3	4	0.3730	14.104	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	5	2035	3	5	0.3950	14.937	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	5	2035	3	6	0.1323	4.999	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	5	2035	3	7	0.1724	6.513	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	5	2035	3	8	0.1541	5.625	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	5	2035	3	9	0.1771	6.462	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	5	2035	3	10	0.1752	6.392	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	5	2035	3	11	0.1992	7.270	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	5	2035	3	12	0.2107	7.689	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	5	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	5	2035	3	14	0.0297	0.890	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	5	2035	3	15	0.0476	2.301	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	5	2035	3	16	0.2691	12.125	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	5	2035	3	17	0.3089	14.598	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	5	2035	3	18	0.3597	20.391	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	5	2035	3	19	0.3886	22.026	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	5	2035	3	20	0.4806	31.122	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	5	2035	3	21	0.5959	38.592	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	5	2035	3	22	0.6824	88.866	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	5	2035	3	23	0.7497	148.302	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	5	2035	3	24	1.6053	13.777	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	5	2035	3	25	0.2400	6.536	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	5	2035	3	26	0.9955	97.298	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	5	2035	3	27	0.7387	20.115	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	5	2035	3	28	0.0551	2.422	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	6	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	6	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	6	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	6	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.103547											

1	1	6	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	6	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	6	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2035	1	1	0.2637	7.914	7.2800	5.3799	30.0117	24.10	0.281246
1	1	6	2035	1	2	0.1987	7.986	8.0600	5.7548	40.1957	18.50	0.101405
1	1	6	2035	1	3	0.2659	10.686	8.0600	5.7548	40.1957	18.50	0.337320
1	1	6	2035	1	4	0.4217	15.949	8.0600	5.7548	37.8166	14.20	0.103547
1	1	6	2035	1	5	0.4227	15.986	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2035	1	6	0.4749	17.938	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2035	1	7	0.4390	16.581	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2035	1	8	0.4003	14.608	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2035	1	9	0.4530	16.533	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2035	1	10	0.4504	16.437	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2035	1	11	0.4864	17.750	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2035	1	12	0.5252	19.166	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2035	1	14	0.0448	1.344	7.2800	5.1979	30.0117	32.40	0.000028
1	1	6	2035	1	15	0.0896	4.325	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2035	1	16	0.2280	10.273	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2035	1	17	0.2604	12.302	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2035	1	18	0.3040	17.232	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2035	1	19	0.3283	18.607	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2035	1	20	0.4059	26.286	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2035	1	21	0.5029	32.569	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2035	1	22	0.5757	74.967	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2035	1	23	0.6323	125.075	6.6500	4.7481	197.8148	6.30	0.036527

1	1	6	2035	1	24	3.9628	34.009	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2035	1	25	0.6509	17.723	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2035	1	26	0.5207	50.893	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2035	1	27	0.6242	16.997	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2035	1	28	0.1411	6.205	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2035	2	1	11.1386	334.287	7.2800	5.3799	30.0117	24.10	0.281246
1	1	6	2035	2	2	9.0321	363.050	8.0600	5.7548	40.1957	18.50	0.101405
1	1	6	2035	2	3	9.6215	386.742	8.0600	5.7548	40.1957	18.50	0.337320
1	1	6	2035	2	4	11.4829	434.245	8.0600	5.7548	37.8166	14.20	0.103547
1	1	6	2035	2	5	11.7443	444.128	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2035	2	6	17.3817	656.519	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2035	2	7	22.4511	847.992	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2035	2	8	21.8188	796.235	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2035	2	9	25.4844	930.007	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2035	2	10	25.2232	920.476	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2035	2	11	29.9798	1094.057	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2035	2	12	31.9280	1165.152	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2035	2	14	1.1467	34.415	7.2800	5.1979	30.0117	32.40	0.000028
1	1	6	2035	2	15	0.5412	26.130	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2035	2	16	0.2524	11.372	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2035	2	17	0.2890	13.656	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2035	2	18	0.3372	19.112	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2035	2	19	0.3641	20.641	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2035	2	20	0.3738	24.206	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2035	2	21	0.4643	30.071	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2035	2	22	0.6397	83.299	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2035	2	23	0.7013	138.733	6.6500	4.7481	197.8148	6.30	0.036527
1	1	6	2035	2	24	29.7304	255.153	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2035	2	25	36.4427	992.339	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2035	2	26	0.8535	83.424	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2035	2	27	0.5761	15.687	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2035	2	28	0.6930	30.475	8.0600	5.7548	43.9743	17.00	0.002242
1	1	6	2035	3	1	0.1689	5.068	7.2800	5.3799	30.0117	24.10	0.281246
1	1	6	2035	3	2	0.1637	6.579	8.0600	5.7548	40.1957	18.50	0.101405
1	1	6	2035	3	3	0.2255	9.065	8.0600	5.7548	40.1957	18.50	0.337320
1	1	6	2035	3	4	0.3621	13.695	8.0600	5.7548	37.8166	14.20	0.103547
1	1	6	2035	3	5	0.3838	14.514	8.0600	5.7548	37.8166	14.20	0.047578
1	1	6	2035	3	6	0.1332	5.032	6.8800	4.9123	37.7707	10.13	0.027524
1	1	6	2035	3	7	0.1736	6.558	6.8800	4.9123	37.7707	9.39	0.000969
1	1	6	2035	3	8	0.1552	5.663	6.8800	4.9123	36.4932	9.35	0.000281
1	1	6	2035	3	9	0.1783	6.505	6.8800	4.9123	36.4931	8.01	0.000959
1	1	6	2035	3	10	0.1763	6.435	6.8800	4.9123	36.4932	8.14	0.001996
1	1	6	2035	3	11	0.2006	7.320	6.8800	4.9123	36.4932	7.45	0.000819
1	1	6	2035	3	12	0.2121	7.741	6.8800	4.9123	36.4932	7.07	0.000002
1	1	6	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	6	2035	3	14	0.0289	0.866	7.2800	5.1979	30.0117	32.40	0.000028

1	1	6	2035	3	15	0.0464	2.239	8.0600	5.7548	48.2848	22.10	0.004518
1	1	6	2035	3	16	0.2618	11.796	6.6500	4.7481	45.0549	12.96	0.008198
1	1	6	2035	3	17	0.3006	14.202	6.6500	4.7481	47.2522	11.66	0.002544
1	1	6	2035	3	18	0.3500	19.838	6.6500	4.7481	56.6821	10.20	0.002699
1	1	6	2035	3	19	0.3780	21.428	6.6500	4.7481	56.6821	9.88	0.001293
1	1	6	2035	3	20	0.4675	30.278	6.6500	4.7481	64.7605	8.71	0.006032
1	1	6	2035	3	21	0.5798	37.545	6.6500	4.7481	64.7605	7.53	0.008655
1	1	6	2035	3	22	0.6639	86.456	6.6500	4.7481	130.2221	6.59	0.010278
1	1	6	2035	3	23	0.7294	144.280	6.6500	4.7481	197.8148	6.30	0.036527
1	1	6	2035	3	24	1.5922	13.665	1.3500	0.9639	8.5822	50.00	0.002374
1	1	6	2035	3	25	0.2417	6.580	6.8800	4.9123	27.2301	6.45	0.000303
1	1	6	2035	3	26	0.9685	94.658	6.6500	4.7481	97.7390	4.36	0.003655
1	1	6	2035	3	27	0.7187	19.570	6.6500	4.7481	27.2301	6.18	0.007008
1	1	6	2035	3	28	0.0536	2.357	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	7	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2035	1	1	0.2372	7.120	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2035	1	2	0.1807	7.262	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2035	1	3	0.2449	9.845	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2035	1	4	0.3883	14.683	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2035	1	5	0.3891	14.714	8.0600	5.7548	37.8166	14.20	0.047578

1	1	7	2035	1	6	0.4343	16.404	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2035	1	7	0.4004	15.123	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2035	1	8	0.3658	13.350	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2035	1	9	0.4156	15.168	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2035	1	10	0.4132	15.078	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2035	1	11	0.4472	16.318	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2035	1	12	0.4838	17.656	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2035	1	14	0.0437	1.311	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2035	1	15	0.0873	4.213	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2035	1	16	0.2213	9.970	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2035	1	17	0.2527	11.939	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2035	1	18	0.2950	16.723	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2035	1	19	0.3186	18.058	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2035	1	20	0.3939	25.510	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2035	1	21	0.4881	31.607	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2035	1	22	0.5587	72.754	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2035	1	23	0.6136	121.382	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2035	1	24	3.6897	31.666	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2035	1	25	0.5918	16.116	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2035	1	26	0.5053	49.390	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2035	1	27	0.6058	16.495	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2035	1	28	0.1375	6.046	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2035	2	1	10.8711	326.260	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2035	2	2	8.7897	353.308	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2035	2	3	9.3675	376.533	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2035	2	4	11.1460	421.506	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2035	2	5	11.4025	431.206	8.0600	5.7548	37.8166	14.20	0.047578
1	1	7	2035	2	6	16.4616	621.765	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2035	2	7	21.2626	803.102	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2035	2	8	20.6638	754.086	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2035	2	9	24.1354	880.776	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2035	2	10	23.8880	871.749	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2035	2	11	28.3928	1036.142	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2035	2	12	30.2378	1103.473	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2035	2	14	1.1020	33.073	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2035	2	15	0.5188	25.052	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2035	2	16	0.2404	10.830	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2035	2	17	0.2752	13.006	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2035	2	18	0.3211	18.201	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2035	2	19	0.3468	19.657	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2035	2	20	0.3560	23.053	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2035	2	21	0.4422	28.638	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2035	2	22	0.6092	79.330	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2035	2	23	0.6679	132.123	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2035	2	24	27.0003	231.722	1.3500	0.9639	8.5822	50.00	0.002374

1	1	7	2035	2	25	34.5135	939.808	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2035	2	26	0.8129	79.449	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2035	2	27	0.5486	14.940	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2035	2	28	0.6649	29.237	8.0600	5.7548	43.9743	17.00	0.002242
1	1	7	2035	3	1	0.1647	4.944	7.2800	5.3799	30.0117	24.10	0.281246
1	1	7	2035	3	2	0.1596	6.415	8.0600	5.7548	40.1957	18.50	0.101405
1	1	7	2035	3	3	0.2200	8.842	8.0600	5.7548	40.1957	18.50	0.337320
1	1	7	2035	3	4	0.3535	13.367	8.0600	5.7548	37.8166	14.20	0.103547
1	1	7	2035	3	5	0.3748	14.175	8.0600	5.7548	37.8166	14.20	0.047578
1	1	7	2035	3	6	0.1340	5.060	6.8800	4.9123	37.7707	10.13	0.027524
1	1	7	2035	3	7	0.1746	6.593	6.8800	4.9123	37.7707	9.39	0.000969
1	1	7	2035	3	8	0.1560	5.694	6.8800	4.9123	36.4932	9.35	0.000281
1	1	7	2035	3	9	0.1792	6.540	6.8800	4.9123	36.4931	8.01	0.000959
1	1	7	2035	3	10	0.1773	6.470	6.8800	4.9123	36.4932	8.14	0.001996
1	1	7	2035	3	11	0.2017	7.359	6.8800	4.9123	36.4932	7.45	0.000819
1	1	7	2035	3	12	0.2133	7.783	6.8800	4.9123	36.4932	7.07	0.000002
1	1	7	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	7	2035	3	14	0.0282	0.847	7.2800	5.1979	30.0117	32.40	0.000028
1	1	7	2035	3	15	0.0454	2.190	8.0600	5.7548	48.2848	22.10	0.004518
1	1	7	2035	3	16	0.2560	11.533	6.6500	4.7481	45.0549	12.96	0.008198
1	1	7	2035	3	17	0.2939	13.885	6.6500	4.7481	47.2522	11.66	0.002544
1	1	7	2035	3	18	0.3422	19.396	6.6500	4.7481	56.6821	10.20	0.002699
1	1	7	2035	3	19	0.3696	20.950	6.6500	4.7481	56.6821	9.88	0.001293
1	1	7	2035	3	20	0.4571	29.603	6.6500	4.7481	64.7605	8.71	0.006032
1	1	7	2035	3	21	0.5668	36.708	6.6500	4.7481	64.7605	7.53	0.008655
1	1	7	2035	3	22	0.6491	84.527	6.6500	4.7481	130.2221	6.59	0.010278
1	1	7	2035	3	23	0.7131	141.061	6.6500	4.7481	197.8148	6.30	0.036527
1	1	7	2035	3	24	1.5817	13.574	1.3500	0.9639	8.5822	50.00	0.002374
1	1	7	2035	3	25	0.2430	6.616	6.8800	4.9123	27.2301	6.45	0.000303
1	1	7	2035	3	26	0.9469	92.547	6.6500	4.7481	97.7390	4.36	0.003655
1	1	7	2035	3	27	0.7026	19.133	6.6500	4.7481	27.2301	6.18	0.007008
1	1	7	2035	3	28	0.0524	2.306	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	8	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518

1	1	8	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	8	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2035	1	1	0.2226	6.680	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2035	1	2	0.1699	6.829	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2035	1	3	0.2313	9.298	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2035	1	4	0.3662	13.848	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2035	1	5	0.3669	13.874	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2035	1	6	0.3981	15.036	6.8800	4.9123	37.7707	10.13	0.027524
1	1	8	2035	1	7	0.3671	13.865	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2035	1	8	0.3356	12.247	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2035	1	9	0.3811	13.908	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2035	1	10	0.3789	13.826	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2035	1	11	0.4099	14.959	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2035	1	12	0.4434	16.181	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2035	1	14	0.0417	1.252	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2035	1	15	0.0831	4.014	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2035	1	16	0.2094	9.433	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2035	1	17	0.2391	11.296	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2035	1	18	0.2791	15.823	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2035	1	19	0.3014	17.085	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2035	1	20	0.3727	24.136	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2035	1	21	0.4618	29.905	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2035	1	22	0.5286	68.835	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2035	1	23	0.5806	114.845	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2035	1	24	3.4610	29.703	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2035	1	25	0.5419	14.757	6.8800	4.9123	27.2301	6.45	0.000303
1	1	8	2035	1	26	0.4781	46.730	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2035	1	27	0.5731	15.607	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2035	1	28	0.1311	5.765	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2035	2	1	10.6768	320.430	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2035	2	2	8.6041	345.848	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2035	2	3	9.1753	368.806	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2035	2	4	10.8911	411.864	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2035	2	5	11.1441	421.432	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2035	2	6	15.1279	571.390	6.8800	4.9123	37.7707	10.13	0.027524

1	1	8	2035	2	7	19.5399	738.036	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2035	2	8	18.9896	692.990	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2035	2	9	22.1800	809.416	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2035	2	10	21.9526	801.121	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2035	2	11	26.0924	952.194	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2035	2	12	27.7880	1014.070	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2035	2	14	1.0342	31.037	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2035	2	15	0.4850	23.416	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2035	2	16	0.2221	10.008	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2035	2	17	0.2543	12.018	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2035	2	18	0.2967	16.819	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2035	2	19	0.3205	18.165	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2035	2	20	0.3289	21.303	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2035	2	21	0.4086	26.464	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2035	2	22	0.5629	73.308	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2035	2	23	0.6172	122.092	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2035	2	24	24.8287	213.085	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2035	2	25	31.7173	863.666	6.8800	4.9123	27.2301	6.45	0.000303
1	1	8	2035	2	26	0.7512	73.417	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2035	2	27	0.5070	13.805	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2035	2	28	0.6222	27.359	8.0600	5.7548	43.9743	17.00	0.002242
1	1	8	2035	3	1	0.1582	4.748	7.2800	5.3799	30.0117	24.10	0.281246
1	1	8	2035	3	2	0.1531	6.156	8.0600	5.7548	40.1957	18.50	0.101405
1	1	8	2035	3	3	0.2113	8.493	8.0600	5.7548	40.1957	18.50	0.337320
1	1	8	2035	3	4	0.3400	12.860	8.0600	5.7548	37.8166	14.20	0.103547
1	1	8	2035	3	5	0.3612	13.661	8.0600	5.7548	37.8166	14.20	0.047578
1	1	8	2035	3	6	0.1357	5.126	6.8800	4.9123	37.7707	10.13	0.027524
1	1	8	2035	3	7	0.1768	6.680	6.8800	4.9123	37.7707	9.39	0.000969
1	1	8	2035	3	8	0.1581	5.769	6.8800	4.9123	36.4932	9.35	0.000281
1	1	8	2035	3	9	0.1816	6.627	6.8800	4.9123	36.4931	8.01	0.000959
1	1	8	2035	3	10	0.1796	6.555	6.8800	4.9123	36.4932	8.14	0.001996
1	1	8	2035	3	11	0.2043	7.456	6.8800	4.9123	36.4932	7.45	0.000819
1	1	8	2035	3	12	0.2161	7.885	6.8800	4.9123	36.4932	7.07	0.000002
1	1	8	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	8	2035	3	14	0.0272	0.816	7.2800	5.1979	30.0117	32.40	0.000028
1	1	8	2035	3	15	0.0437	2.108	8.0600	5.7548	48.2848	22.10	0.004518
1	1	8	2035	3	16	0.2462	11.092	6.6500	4.7481	45.0549	12.96	0.008198
1	1	8	2035	3	17	0.2826	13.354	6.6500	4.7481	47.2522	11.66	0.002544
1	1	8	2035	3	18	0.3291	18.653	6.6500	4.7481	56.6821	10.20	0.002699
1	1	8	2035	3	19	0.3555	20.148	6.6500	4.7481	56.6821	9.88	0.001293
1	1	8	2035	3	20	0.4396	28.470	6.6500	4.7481	64.7605	8.71	0.006032
1	1	8	2035	3	21	0.5451	35.302	6.6500	4.7481	64.7605	7.53	0.008655
1	1	8	2035	3	22	0.6243	81.292	6.6500	4.7481	130.2221	6.59	0.010278
1	1	8	2035	3	23	0.6858	135.661	6.6500	4.7481	197.8148	6.30	0.036527
1	1	8	2035	3	24	1.5874	13.624	1.3500	0.9639	8.5822	50.00	0.002374
1	1	8	2035	3	25	0.2462	6.703	6.8800	4.9123	27.2301	6.45	0.000303

1	1	8	2035	3	26	0.9106	89.004	6.6500	4.7481	97.7390	4.36	0.003655
1	1	8	2035	3	27	0.6758	18.401	6.6500	4.7481	27.2301	6.18	0.007008
1	1	8	2035	3	28	0.0505	2.219	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	9	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	9	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2035	1	1	0.2104	6.314	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2035	1	2	0.1609	6.467	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2035	1	3	0.2200	8.841	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2035	1	4	0.3478	13.153	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2035	1	5	0.3484	13.175	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2035	1	6	0.3679	13.896	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2035	1	7	0.3394	12.818	6.8800	4.9123	37.7707	9.39	0.000969
1	1	9	2035	1	8	0.3104	11.328	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2035	1	9	0.3523	12.858	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2035	1	10	0.3503	12.782	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2035	1	11	0.3789	13.826	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2035	1	12	0.4097	14.951	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2035	1	14	0.0401	1.203	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2035	1	15	0.0797	3.849	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2035	1	16	0.1994	8.985	6.6500	4.7481	45.0549	12.96	0.008198

1	1	9	2035	1	17	0.2277	10.760	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2035	1	18	0.2659	15.072	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2035	1	19	0.2871	16.275	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2035	1	20	0.3550	22.991	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2035	1	21	0.4399	28.487	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2035	1	22	0.5035	65.570	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2035	1	23	0.5530	109.397	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2035	1	24	3.2704	28.067	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2035	1	25	0.5004	13.625	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2035	1	26	0.4554	44.514	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2035	1	27	0.5460	14.866	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2035	1	28	0.1258	5.531	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2035	2	1	10.5150	315.572	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2035	2	2	8.4495	339.632	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2035	2	3	9.0151	362.366	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2035	2	4	10.6786	403.829	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2035	2	5	10.9287	413.287	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2035	2	6	14.0164	529.411	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2035	2	7	18.1043	683.813	6.8800	4.9123	37.7707	9.39	0.000969
1	1	9	2035	2	8	17.5945	642.077	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2035	2	9	20.5504	749.950	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2035	2	10	20.3398	742.263	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2035	2	11	24.1754	882.238	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2035	2	12	25.7464	939.568	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2035	2	14	0.9776	29.340	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2035	2	15	0.4567	22.053	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2035	2	16	0.2069	9.323	6.6500	4.7481	45.0549	12.96	0.008198
1	1	9	2035	2	17	0.2369	11.195	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2035	2	18	0.2764	15.668	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2035	2	19	0.2985	16.921	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2035	2	20	0.3064	19.844	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2035	2	21	0.3807	24.652	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2035	2	22	0.5244	68.289	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2035	2	23	0.5749	113.733	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2035	2	24	23.0190	197.554	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2035	2	25	29.3870	800.213	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2035	2	26	0.6997	68.391	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2035	2	27	0.4723	12.860	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2035	2	28	0.5866	25.794	8.0600	5.7548	43.9743	17.00	0.002242
1	1	9	2035	3	1	0.1528	4.585	7.2800	5.3799	30.0117	24.10	0.281246
1	1	9	2035	3	2	0.1478	5.940	8.0600	5.7548	40.1957	18.50	0.101405
1	1	9	2035	3	3	0.2040	8.201	8.0600	5.7548	40.1957	18.50	0.337320
1	1	9	2035	3	4	0.3289	12.436	8.0600	5.7548	37.8166	14.20	0.103547
1	1	9	2035	3	5	0.3499	13.232	8.0600	5.7548	37.8166	14.20	0.047578
1	1	9	2035	3	6	0.1372	5.182	6.8800	4.9123	37.7707	10.13	0.027524
1	1	9	2035	3	7	0.1788	6.752	6.8800	4.9123	37.7707	9.39	0.000969

1	1	9	2035	3	8	0.1598	5.831	6.8800	4.9123	36.4932	9.35	0.000281
1	1	9	2035	3	9	0.1835	6.698	6.8800	4.9123	36.4931	8.01	0.000959
1	1	9	2035	3	10	0.1816	6.626	6.8800	4.9123	36.4932	8.14	0.001996
1	1	9	2035	3	11	0.2065	7.537	6.8800	4.9123	36.4932	7.45	0.000819
1	1	9	2035	3	12	0.2184	7.970	6.8800	4.9123	36.4932	7.07	0.000002
1	1	9	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	9	2035	3	14	0.0263	0.789	7.2800	5.1979	30.0117	32.40	0.000028
1	1	9	2035	3	15	0.0422	2.039	8.0600	5.7548	48.2848	22.10	0.004518
1	1	9	2035	3	16	0.2380	10.724	6.6500	4.7481	45.0549	12.96	0.008198
1	1	9	2035	3	17	0.2732	12.911	6.6500	4.7481	47.2522	11.66	0.002544
1	1	9	2035	3	18	0.3182	18.034	6.6500	4.7481	56.6821	10.20	0.002699
1	1	9	2035	3	19	0.3437	19.480	6.6500	4.7481	56.6821	9.88	0.001293
1	1	9	2035	3	20	0.4250	27.525	6.6500	4.7481	64.7605	8.71	0.006032
1	1	9	2035	3	21	0.5270	34.131	6.6500	4.7481	64.7605	7.53	0.008655
1	1	9	2035	3	22	0.6035	78.595	6.6500	4.7481	130.2221	6.59	0.010278
1	1	9	2035	3	23	0.6631	131.161	6.6500	4.7481	197.8148	6.30	0.036527
1	1	9	2035	3	24	1.5922	13.665	1.3500	0.9639	8.5822	50.00	0.002374
1	1	9	2035	3	25	0.2488	6.775	6.8800	4.9123	27.2301	6.45	0.000303
1	1	9	2035	3	26	0.8804	86.052	6.6500	4.7481	97.7390	4.36	0.003655
1	1	9	2035	3	27	0.6533	17.790	6.6500	4.7481	27.2301	6.18	0.007008
1	1	9	2035	3	28	0.0488	2.147	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	10	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655

1	1	10	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2035	1	1	0.2000	6.004	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2035	1	2	0.1533	6.161	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2035	1	3	0.2103	8.455	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2035	1	4	0.3322	12.564	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2035	1	5	0.3327	12.583	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2035	1	6	0.3424	12.931	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2035	1	7	0.3159	11.931	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2035	1	8	0.2891	10.550	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2035	1	9	0.3280	11.969	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2035	1	10	0.3261	11.899	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2035	1	11	0.3526	12.867	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2035	1	12	0.3812	13.911	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2035	1	14	0.0387	1.161	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2035	1	15	0.0768	3.709	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2035	1	16	0.1910	8.607	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2035	1	17	0.2181	10.307	6.6500	4.7481	47.2522	11.66	0.002544
1	1	10	2035	1	18	0.2547	14.437	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2035	1	19	0.2750	15.589	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2035	1	20	0.3401	22.022	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2035	1	21	0.4213	27.286	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2035	1	22	0.4823	62.807	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2035	1	23	0.5297	104.787	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2035	1	24	3.1091	26.683	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2035	1	25	0.4652	12.667	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2035	1	26	0.4362	42.638	6.6500	4.7481	97.7390	4.36	0.003655
1	1	10	2035	1	27	0.5229	14.240	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2035	1	28	0.1213	5.333	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2035	2	1	10.3780	311.462	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2035	2	2	8.3186	334.371	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2035	2	3	8.8795	356.918	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2035	2	4	10.4988	397.030	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2035	2	5	10.7465	406.396	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2035	2	6	13.0760	493.890	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2035	2	7	16.8896	637.933	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2035	2	8	16.4139	598.997	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2035	2	9	19.1716	699.632	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2035	2	10	18.9751	692.461	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2035	2	11	22.5534	823.044	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2035	2	12	24.0190	876.528	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2035	2	14	0.9298	27.904	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2035	2	15	0.4328	20.900	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2035	2	16	0.1940	8.743	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2035	2	17	0.2222	10.499	6.6500	4.7481	47.2522	11.66	0.002544

1	1	10	2035	2	18	0.2592	14.693	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2035	2	19	0.2800	15.869	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2035	2	20	0.2874	18.610	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2035	2	21	0.3570	23.119	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2035	2	22	0.4918	64.042	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2035	2	23	0.5392	106.660	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2035	2	24	21.4878	184.413	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2035	2	25	27.4153	746.523	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2035	2	26	0.6562	64.137	6.6500	4.7481	97.7390	4.36	0.003655
1	1	10	2035	2	27	0.4429	12.060	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2035	2	28	0.5564	24.469	8.0600	5.7548	43.9743	17.00	0.002242
1	1	10	2035	3	1	0.1482	4.447	7.2800	5.3799	30.0117	24.10	0.281246
1	1	10	2035	3	2	0.1432	5.757	8.0600	5.7548	40.1957	18.50	0.101405
1	1	10	2035	3	3	0.1979	7.954	8.0600	5.7548	40.1957	18.50	0.337320
1	1	10	2035	3	4	0.3194	12.078	8.0600	5.7548	37.8166	14.20	0.103547
1	1	10	2035	3	5	0.3403	12.869	8.0600	5.7548	37.8166	14.20	0.047578
1	1	10	2035	3	6	0.1384	5.229	6.8800	4.9123	37.7707	10.13	0.027524
1	1	10	2035	3	7	0.1804	6.813	6.8800	4.9123	37.7707	9.39	0.000969
1	1	10	2035	3	8	0.1612	5.884	6.8800	4.9123	36.4932	9.35	0.000281
1	1	10	2035	3	9	0.1852	6.759	6.8800	4.9123	36.4931	8.01	0.000959
1	1	10	2035	3	10	0.1832	6.686	6.8800	4.9123	36.4932	8.14	0.001996
1	1	10	2035	3	11	0.2084	7.605	6.8800	4.9123	36.4932	7.45	0.000819
1	1	10	2035	3	12	0.2204	8.042	6.8800	4.9123	36.4932	7.07	0.000002
1	1	10	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	10	2035	3	14	0.0256	0.767	7.2800	5.1979	30.0117	32.40	0.000028
1	1	10	2035	3	15	0.0410	1.981	8.0600	5.7548	48.2848	22.10	0.004518
1	1	10	2035	3	16	0.2311	10.413	6.6500	4.7481	45.0549	12.96	0.008198
1	1	10	2035	3	17	0.2653	12.536	6.6500	4.7481	47.2522	11.66	0.002544
1	1	10	2035	3	18	0.3089	17.511	6.6500	4.7481	56.6821	10.20	0.002699
1	1	10	2035	3	19	0.3337	18.914	6.6500	4.7481	56.6821	9.88	0.001293
1	1	10	2035	3	20	0.4127	26.726	6.6500	4.7481	64.7605	8.71	0.006032
1	1	10	2035	3	21	0.5117	33.140	6.6500	4.7481	64.7605	7.53	0.008655
1	1	10	2035	3	22	0.5860	76.313	6.6500	4.7481	130.2221	6.59	0.010278
1	1	10	2035	3	23	0.6438	127.353	6.6500	4.7481	197.8148	6.30	0.036527
1	1	10	2035	3	24	1.5963	13.700	1.3500	0.9639	8.5822	50.00	0.002374
1	1	10	2035	3	25	0.2511	6.837	6.8800	4.9123	27.2301	6.45	0.000303
1	1	10	2035	3	26	0.8549	83.554	6.6500	4.7481	97.7390	4.36	0.003655
1	1	10	2035	3	27	0.6344	17.274	6.6500	4.7481	27.2301	6.18	0.007008
1	1	10	2035	3	28	0.0474	2.086	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281

1	1	11	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	11	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	11	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2035	1	1	0.1912	5.738	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2035	1	2	0.1468	5.899	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2035	1	3	0.2021	8.124	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2035	1	4	0.3189	12.060	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2035	1	5	0.3193	12.075	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2035	1	6	0.3205	12.104	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2035	1	7	0.2958	11.171	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2035	1	8	0.2708	9.883	6.8800	4.9123	36.4932	9.35	0.000281
1	1	11	2035	1	9	0.3071	11.208	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2035	1	10	0.3053	11.142	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2035	1	11	0.3301	12.045	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2035	1	12	0.3568	13.019	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2035	1	14	0.0375	1.126	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2035	1	15	0.0743	3.589	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2035	1	16	0.1838	8.282	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2035	1	17	0.2099	9.918	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2035	1	18	0.2451	13.893	6.6500	4.7481	56.6821	10.20	0.002699
1	1	11	2035	1	19	0.2647	15.001	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2035	1	20	0.3272	21.192	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2035	1	21	0.4055	26.257	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2035	1	22	0.4641	60.439	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2035	1	23	0.5097	100.836	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2035	1	24	2.9709	25.497	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2035	1	25	0.4350	11.846	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2035	1	26	0.4198	41.030	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2035	1	27	0.5032	13.703	6.6500	4.7481	27.2301	6.18	0.007008

1	1	11	2035	1	28	0.1174	5.164	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2035	2	1	10.2606	307.938	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2035	2	2	8.2064	329.863	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2035	2	3	8.7633	352.247	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2035	2	4	10.3447	391.203	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2035	2	5	10.5903	400.489	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2035	2	6	12.2699	463.443	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2035	2	7	15.8484	598.606	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2035	2	8	15.4021	562.071	6.8800	4.9123	36.4932	9.35	0.000281
1	1	11	2035	2	9	17.9897	656.502	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2035	2	10	17.8054	649.773	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2035	2	11	21.1631	772.306	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2035	2	12	22.5383	822.493	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2035	2	14	0.8888	26.673	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2035	2	15	0.4124	19.911	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2035	2	16	0.1830	8.246	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2035	2	17	0.2096	9.902	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2035	2	18	0.2445	13.858	6.6500	4.7481	56.6821	10.20	0.002699
1	1	11	2035	2	19	0.2641	14.967	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2035	2	20	0.2710	17.552	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2035	2	21	0.3367	21.805	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2035	2	22	0.4638	60.402	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2035	2	23	0.5085	100.597	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2035	2	24	20.1753	173.149	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2035	2	25	25.7253	700.502	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2035	2	26	0.6189	60.492	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2035	2	27	0.4177	11.375	6.6500	4.7481	27.2301	6.18	0.007008
1	1	11	2035	2	28	0.5306	23.334	8.0600	5.7548	43.9743	17.00	0.002242
1	1	11	2035	3	1	0.1442	4.329	7.2800	5.3799	30.0117	24.10	0.281246
1	1	11	2035	3	2	0.1393	5.600	8.0600	5.7548	40.1957	18.50	0.101405
1	1	11	2035	3	3	0.1926	7.743	8.0600	5.7548	40.1957	18.50	0.337320
1	1	11	2035	3	4	0.3113	11.771	8.0600	5.7548	37.8166	14.20	0.103547
1	1	11	2035	3	5	0.3321	12.558	8.0600	5.7548	37.8166	14.20	0.047578
1	1	11	2035	3	6	0.1395	5.269	6.8800	4.9123	37.7707	10.13	0.027524
1	1	11	2035	3	7	0.1818	6.866	6.8800	4.9123	37.7707	9.39	0.000969
1	1	11	2035	3	8	0.1625	5.929	6.8800	4.9123	36.4932	9.35	0.000281
1	1	11	2035	3	9	0.1866	6.811	6.8800	4.9123	36.4931	8.01	0.000959
1	1	11	2035	3	10	0.1846	6.737	6.8800	4.9123	36.4932	8.14	0.001996
1	1	11	2035	3	11	0.2100	7.664	6.8800	4.9123	36.4932	7.45	0.000819
1	1	11	2035	3	12	0.2221	8.104	6.8800	4.9123	36.4932	7.07	0.000002
1	1	11	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	11	2035	3	14	0.0249	0.748	7.2800	5.1979	30.0117	32.40	0.000028
1	1	11	2035	3	15	0.0400	1.931	8.0600	5.7548	48.2848	22.10	0.004518
1	1	11	2035	3	16	0.2252	10.146	6.6500	4.7481	45.0549	12.96	0.008198
1	1	11	2035	3	17	0.2585	12.215	6.6500	4.7481	47.2522	11.66	0.002544
1	1	11	2035	3	18	0.3010	17.062	6.6500	4.7481	56.6821	10.20	0.002699

1	1	11	2035	3	19	0.3251	18.430	6.6500	4.7481	56.6821	9.88	0.001293
1	1	11	2035	3	20	0.4021	26.041	6.6500	4.7481	64.7605	8.71	0.006032
1	1	11	2035	3	21	0.4986	32.291	6.6500	4.7481	64.7605	7.53	0.008655
1	1	11	2035	3	22	0.5710	74.358	6.6500	4.7481	130.2221	6.59	0.010278
1	1	11	2035	3	23	0.6273	124.090	6.6500	4.7481	197.8148	6.30	0.036527
1	1	11	2035	3	24	1.5998	13.730	1.3500	0.9639	8.5822	50.00	0.002374
1	1	11	2035	3	25	0.2530	6.889	6.8800	4.9123	27.2301	6.45	0.000303
1	1	11	2035	3	26	0.8330	81.412	6.6500	4.7481	97.7390	4.36	0.003655
1	1	11	2035	3	27	0.6181	16.831	6.6500	4.7481	27.2301	6.18	0.007008
1	1	11	2035	3	28	0.0462	2.034	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	12	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2035	1	1	0.1835	5.508	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2035	1	2	0.1411	5.672	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2035	1	3	0.1950	7.837	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2035	1	4	0.3073	11.623	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2035	1	5	0.3077	11.635	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2035	1	6	0.3015	11.387	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2035	1	7	0.2783	10.512	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2035	1	8	0.2550	9.306	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2035	1	9	0.2890	10.548	6.8800	4.9123	36.4931	8.01	0.000959

1	1	12	2035	1	10	0.2873	10.486	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2035	1	11	0.3106	11.333	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2035	1	12	0.3356	12.247	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2035	1	14	0.0365	1.095	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2035	1	15	0.0722	3.484	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2035	1	16	0.1776	8.001	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2035	1	17	0.2028	9.581	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2035	1	18	0.2368	13.421	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2035	1	19	0.2557	14.492	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2035	1	20	0.3161	20.472	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2035	1	21	0.3917	25.366	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2035	1	22	0.4484	58.386	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2035	1	23	0.4924	97.412	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2035	1	24	2.8511	24.469	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2035	1	25	0.4089	11.134	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2035	1	26	0.4055	39.637	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2035	1	27	0.4861	13.238	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2035	1	28	0.1141	5.017	8.0600	5.7548	43.9743	17.00	0.002242
1	1	12	2035	2	1	10.1589	304.885	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2035	2	2	8.1092	325.955	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2035	2	3	8.6626	348.200	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2035	2	4	10.2112	386.152	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2035	2	5	10.4549	395.369	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2035	2	6	11.5713	437.056	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2035	2	7	14.9461	564.524	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2035	2	8	14.5251	530.068	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2035	2	9	16.9655	619.123	6.8800	4.9123	36.4931	8.01	0.000959
1	1	12	2035	2	10	16.7916	612.777	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2035	2	11	19.9581	728.334	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2035	2	12	21.2550	775.663	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2035	2	14	0.8532	25.607	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2035	2	15	0.3946	19.055	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2035	2	16	0.1735	7.815	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2035	2	17	0.1986	9.385	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2035	2	18	0.2317	13.134	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2035	2	19	0.2503	14.185	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2035	2	20	0.2569	16.636	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2035	2	21	0.3191	20.666	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2035	2	22	0.4396	57.247	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2035	2	23	0.4820	95.343	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2035	2	24	19.0378	163.386	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2035	2	25	24.2606	660.618	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2035	2	26	0.5866	57.332	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2035	2	27	0.3959	10.781	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2035	2	28	0.5082	22.350	8.0600	5.7548	43.9743	17.00	0.002242

1	1	12	2035	3	1	0.1408	4.226	7.2800	5.3799	30.0117	24.10	0.281246
1	1	12	2035	3	2	0.1359	5.465	8.0600	5.7548	40.1957	18.50	0.101405
1	1	12	2035	3	3	0.1881	7.560	8.0600	5.7548	40.1957	18.50	0.337320
1	1	12	2035	3	4	0.3042	11.505	8.0600	5.7548	37.8166	14.20	0.103547
1	1	12	2035	3	5	0.3250	12.289	8.0600	5.7548	37.8166	14.20	0.047578
1	1	12	2035	3	6	0.1404	5.304	6.8800	4.9123	37.7707	10.13	0.027524
1	1	12	2035	3	7	0.1830	6.911	6.8800	4.9123	37.7707	9.39	0.000969
1	1	12	2035	3	8	0.1636	5.969	6.8800	4.9123	36.4932	9.35	0.000281
1	1	12	2035	3	9	0.1879	6.856	6.8800	4.9123	36.4931	8.01	0.000959
1	1	12	2035	3	10	0.1858	6.782	6.8800	4.9123	36.4932	8.14	0.001996
1	1	12	2035	3	11	0.2114	7.714	6.8800	4.9123	36.4932	7.45	0.000819
1	1	12	2035	3	12	0.2235	8.158	6.8800	4.9123	36.4932	7.07	0.000002
1	1	12	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	12	2035	3	14	0.0244	0.731	7.2800	5.1979	30.0117	32.40	0.000028
1	1	12	2035	3	15	0.0391	1.888	8.0600	5.7548	48.2848	22.10	0.004518
1	1	12	2035	3	16	0.2201	9.914	6.6500	4.7481	45.0549	12.96	0.008198
1	1	12	2035	3	17	0.2526	11.936	6.6500	4.7481	47.2522	11.66	0.002544
1	1	12	2035	3	18	0.2942	16.673	6.6500	4.7481	56.6821	10.20	0.002699
1	1	12	2035	3	19	0.3177	18.010	6.6500	4.7481	56.6821	9.88	0.001293
1	1	12	2035	3	20	0.3930	25.448	6.6500	4.7481	64.7605	8.71	0.006032
1	1	12	2035	3	21	0.4873	31.555	6.6500	4.7481	64.7605	7.53	0.008655
1	1	12	2035	3	22	0.5580	72.663	6.6500	4.7481	130.2221	6.59	0.010278
1	1	12	2035	3	23	0.6130	121.261	6.6500	4.7481	197.8148	6.30	0.036527
1	1	12	2035	3	24	1.6028	13.756	1.3500	0.9639	8.5822	50.00	0.002374
1	1	12	2035	3	25	0.2547	6.935	6.8800	4.9123	27.2301	6.45	0.000303
1	1	12	2035	3	26	0.8140	79.556	6.6500	4.7481	97.7390	4.36	0.003655
1	1	12	2035	3	27	0.6040	16.448	6.6500	4.7481	27.2301	6.18	0.007008
1	1	12	2035	3	28	0.0452	1.988	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	13	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293

1	1	13	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2035	1	1	0.1768	5.306	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2035	1	2	0.1362	5.473	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2035	1	3	0.1887	7.586	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2035	1	4	0.2972	11.240	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2035	1	5	0.2975	11.250	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2035	1	6	0.2820	10.652	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2035	1	7	0.2605	9.840	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2035	1	8	0.2388	8.714	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2035	1	9	0.2704	9.867	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2035	1	10	0.2688	9.809	6.8800	4.9123	36.4932	8.14	0.001996
1	1	13	2035	1	11	0.2903	10.596	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2035	1	12	0.3136	11.443	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2035	1	14	0.0352	1.055	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2035	1	15	0.0694	3.352	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2035	1	16	0.1696	7.642	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2035	1	17	0.1937	9.151	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2035	1	18	0.2261	12.818	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2035	1	19	0.2442	13.841	6.6500	4.7481	56.6821	9.88	0.001293
1	1	13	2035	1	20	0.3019	19.553	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2035	1	21	0.3741	24.226	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2035	1	22	0.4282	55.764	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2035	1	23	0.4703	93.037	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2035	1	24	2.7543	23.638	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2035	1	25	0.3823	10.409	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2035	1	26	0.3873	37.857	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2035	1	27	0.4643	12.643	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2035	1	28	0.1098	4.829	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2035	2	1	10.0698	302.213	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2035	2	2	8.0241	322.536	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2035	2	3	8.5745	344.658	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2035	2	4	10.0943	381.733	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2035	2	5	10.3364	390.889	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2035	2	6	10.8269	408.940	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2035	2	7	13.9846	528.207	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2035	2	8	13.5907	495.968	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2035	2	9	15.8740	579.294	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2035	2	10	15.7113	573.356	6.8800	4.9123	36.4932	8.14	0.001996

1	1	13	2035	2	11	18.6742	681.479	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2035	2	12	19.8876	725.763	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2035	2	14	0.8138	24.422	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2035	2	15	0.3749	18.103	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2035	2	16	0.1628	7.337	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2035	2	17	0.1865	8.811	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2035	2	18	0.2175	12.331	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2035	2	19	0.2349	13.317	6.6500	4.7481	56.6821	9.88	0.001293
1	1	13	2035	2	20	0.2412	15.618	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2035	2	21	0.2996	19.401	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2035	2	22	0.4127	53.744	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2035	2	23	0.4525	89.508	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2035	2	24	18.1213	155.521	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2035	2	25	22.6998	618.119	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2035	2	26	0.5507	53.824	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2035	2	27	0.3717	10.121	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2035	2	28	0.4834	21.257	8.0600	5.7548	43.9743	17.00	0.002242
1	1	13	2035	3	1	0.1378	4.136	7.2800	5.3799	30.0117	24.10	0.281246
1	1	13	2035	3	2	0.1330	5.346	8.0600	5.7548	40.1957	18.50	0.101405
1	1	13	2035	3	3	0.1841	7.400	8.0600	5.7548	40.1957	18.50	0.337320
1	1	13	2035	3	4	0.2981	11.273	8.0600	5.7548	37.8166	14.20	0.103547
1	1	13	2035	3	5	0.3187	12.053	8.0600	5.7548	37.8166	14.20	0.047578
1	1	13	2035	3	6	0.1420	5.365	6.8800	4.9123	37.7707	10.13	0.027524
1	1	13	2035	3	7	0.1851	6.991	6.8800	4.9123	37.7707	9.39	0.000969
1	1	13	2035	3	8	0.1654	6.037	6.8800	4.9123	36.4932	9.35	0.000281
1	1	13	2035	3	9	0.1900	6.935	6.8800	4.9123	36.4931	8.01	0.000959
1	1	13	2035	3	10	0.1880	6.860	6.8800	4.9123	36.4932	8.14	0.001996
1	1	13	2035	3	11	0.2138	7.803	6.8800	4.9123	36.4932	7.45	0.000819
1	1	13	2035	3	12	0.2261	8.252	6.8800	4.9123	36.4932	7.07	0.000002
1	1	13	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	13	2035	3	14	0.0237	0.712	7.2800	5.1979	30.0117	32.40	0.000028
1	1	13	2035	3	15	0.0381	1.837	8.0600	5.7548	48.2848	22.10	0.004518
1	1	13	2035	3	16	0.2140	9.644	6.6500	4.7481	45.0549	12.96	0.008198
1	1	13	2035	3	17	0.2457	11.610	6.6500	4.7481	47.2522	11.66	0.002544
1	1	13	2035	3	18	0.2861	16.218	6.6500	4.7481	56.6821	10.20	0.002699
1	1	13	2035	3	19	0.3090	17.517	6.6500	4.7481	56.6821	9.88	0.001293
1	1	13	2035	3	20	0.3822	24.752	6.6500	4.7481	64.7605	8.71	0.006032
1	1	13	2035	3	21	0.4739	30.693	6.6500	4.7481	64.7605	7.53	0.008655
1	1	13	2035	3	22	0.5427	70.677	6.6500	4.7481	130.2221	6.59	0.010278
1	1	13	2035	3	23	0.5963	117.947	6.6500	4.7481	197.8148	6.30	0.036527
1	1	13	2035	3	24	1.6234	13.932	1.3500	0.9639	8.5822	50.00	0.002374
1	1	13	2035	3	25	0.2576	7.015	6.8800	4.9123	27.2301	6.45	0.000303
1	1	13	2035	3	26	0.7917	77.383	6.6500	4.7481	97.7390	4.36	0.003655
1	1	13	2035	3	27	0.5875	15.998	6.6500	4.7481	27.2301	6.18	0.007008
1	1	13	2035	3	28	0.0440	1.935	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246

1	1	14	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	14	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	14	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2035	1	1	0.1709	5.128	7.2800	5.3799	30.0117	24.10	0.281246
1	1	14	2035	1	2	0.1318	5.298	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2035	1	3	0.1832	7.364	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2035	1	4	0.2883	10.903	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2035	1	5	0.2885	10.911	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2035	1	6	0.2648	10.003	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2035	1	7	0.2448	9.246	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2035	1	8	0.2245	8.192	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2035	1	9	0.2539	9.266	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2035	1	10	0.2524	9.213	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2035	1	11	0.2725	9.945	6.8800	4.9123	36.4932	7.45	0.000819
1	1	14	2035	1	12	0.2942	10.735	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2035	1	14	0.0340	1.021	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2035	1	15	0.0670	3.234	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2035	1	16	0.1626	7.325	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2035	1	17	0.1856	8.771	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2035	1	18	0.2168	12.286	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2035	1	19	0.2341	13.267	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2035	1	20	0.2894	18.741	6.6500	4.7481	64.7605	8.71	0.006032

1	1	14	2035	1	21	0.3586	23.221	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2035	1	22	0.4105	53.451	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2035	1	23	0.4508	89.177	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2035	1	24	2.6689	22.905	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2035	1	25	0.3588	9.770	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2035	1	26	0.3713	36.286	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2035	1	27	0.4450	12.119	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2035	1	28	0.1060	4.663	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2035	2	1	9.9913	299.855	7.2800	5.3799	30.0117	24.10	0.281246
1	1	14	2035	2	2	7.9491	319.519	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2035	2	3	8.4968	341.533	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2035	2	4	9.9912	377.833	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2035	2	5	10.2319	386.937	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2035	2	6	10.1701	384.131	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2035	2	7	13.1362	496.163	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2035	2	8	12.7662	465.880	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2035	2	9	14.9110	544.150	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2035	2	10	14.7582	538.573	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2035	2	11	17.5413	640.136	6.8800	4.9123	36.4932	7.45	0.000819
1	1	14	2035	2	12	18.6811	681.734	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2035	2	14	0.7789	23.377	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2035	2	15	0.3575	17.264	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2035	2	16	0.1535	6.915	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2035	2	17	0.1757	8.304	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2035	2	18	0.2050	11.621	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2035	2	19	0.2214	12.551	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2035	2	20	0.2273	14.719	6.6500	4.7481	64.7605	8.71	0.006032
1	1	14	2035	2	21	0.2824	18.285	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2035	2	22	0.3890	50.652	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2035	2	23	0.4265	84.360	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2035	2	24	17.3127	148.581	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2035	2	25	21.3227	580.620	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2035	2	26	0.5190	50.728	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2035	2	27	0.3503	9.539	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2035	2	28	0.4615	20.293	8.0600	5.7548	43.9743	17.00	0.002242
1	1	14	2035	3	1	0.1352	4.057	7.2800	5.3799	30.0117	24.10	0.281246
1	1	14	2035	3	2	0.1304	5.241	8.0600	5.7548	40.1957	18.50	0.101405
1	1	14	2035	3	3	0.1806	7.258	8.0600	5.7548	40.1957	18.50	0.337320
1	1	14	2035	3	4	0.2927	11.067	8.0600	5.7548	37.8166	14.20	0.103547
1	1	14	2035	3	5	0.3132	11.845	8.0600	5.7548	37.8166	14.20	0.047578
1	1	14	2035	3	6	0.1435	5.419	6.8800	4.9123	37.7707	10.13	0.027524
1	1	14	2035	3	7	0.1869	7.061	6.8800	4.9123	37.7707	9.39	0.000969
1	1	14	2035	3	8	0.1671	6.098	6.8800	4.9123	36.4932	9.35	0.000281
1	1	14	2035	3	9	0.1919	7.005	6.8800	4.9123	36.4931	8.01	0.000959
1	1	14	2035	3	10	0.1899	6.929	6.8800	4.9123	36.4932	8.14	0.001996
1	1	14	2035	3	11	0.2160	7.881	6.8800	4.9123	36.4932	7.45	0.000819

1	1	14	2035	3	12	0.2284	8.335	6.8800	4.9123	36.4932	7.07	0.000002
1	1	14	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	14	2035	3	14	0.0232	0.695	7.2800	5.1979	30.0117	32.40	0.000028
1	1	14	2035	3	15	0.0371	1.793	8.0600	5.7548	48.2848	22.10	0.004518
1	1	14	2035	3	16	0.2087	9.404	6.6500	4.7481	45.0549	12.96	0.008198
1	1	14	2035	3	17	0.2396	11.322	6.6500	4.7481	47.2522	11.66	0.002544
1	1	14	2035	3	18	0.2790	15.816	6.6500	4.7481	56.6821	10.20	0.002699
1	1	14	2035	3	19	0.3014	17.083	6.6500	4.7481	56.6821	9.88	0.001293
1	1	14	2035	3	20	0.3727	24.139	6.6500	4.7481	64.7605	8.71	0.006032
1	1	14	2035	3	21	0.4622	29.932	6.6500	4.7481	64.7605	7.53	0.008655
1	1	14	2035	3	22	0.5293	68.925	6.6500	4.7481	130.2221	6.59	0.010278
1	1	14	2035	3	23	0.5815	115.024	6.6500	4.7481	197.8148	6.30	0.036527
1	1	14	2035	3	24	1.6416	14.088	1.3500	0.9639	8.5822	50.00	0.002374
1	1	14	2035	3	25	0.2602	7.085	6.8800	4.9123	27.2301	6.45	0.000303
1	1	14	2035	3	26	0.7721	75.464	6.6500	4.7481	97.7390	4.36	0.003655
1	1	14	2035	3	27	0.5730	15.602	6.6500	4.7481	27.2301	6.18	0.007008
1	1	14	2035	3	28	0.0429	1.888	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	15	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2035	1	1	0.1656	4.970	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2035	1	2	0.1279	5.142	8.0600	5.7548	40.1957	18.50	0.101405

1	1	15	2035	1	3	0.1783	7.167	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2035	1	4	0.2804	10.603	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2035	1	5	0.2805	10.609	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2035	1	6	0.2496	9.426	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2035	1	7	0.2308	8.719	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2035	1	8	0.2118	7.728	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2035	1	9	0.2393	8.732	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2035	1	10	0.2379	8.682	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2035	1	11	0.2567	9.367	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2035	1	12	0.2769	10.105	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2035	1	14	0.0330	0.990	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2035	1	15	0.0648	3.130	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2035	1	16	0.1563	7.043	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2035	1	17	0.1785	8.434	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2035	1	18	0.2084	11.814	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2035	1	19	0.2250	12.756	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2035	1	20	0.2783	18.020	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2035	1	21	0.3448	22.328	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2035	1	22	0.3947	51.394	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2035	1	23	0.4335	85.746	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2035	1	24	2.5930	22.254	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2035	1	25	0.3379	9.202	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2035	1	26	0.3570	34.890	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2035	1	27	0.4279	11.652	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2035	1	28	0.1027	4.516	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2035	2	1	9.9214	297.760	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2035	2	2	7.8824	316.837	8.0600	5.7548	40.1957	18.50	0.101405
1	1	15	2035	2	3	8.4277	338.756	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2035	2	4	9.8995	374.367	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2035	2	5	10.1390	383.424	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2035	2	6	9.5862	362.079	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2035	2	7	12.3821	467.679	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2035	2	8	12.0333	439.134	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2035	2	9	14.0550	512.911	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2035	2	10	13.9110	507.655	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2035	2	11	16.5343	603.387	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2035	2	12	17.6087	642.597	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2035	2	14	0.7480	22.448	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2035	2	15	0.3421	16.518	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2035	2	16	0.1452	6.540	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2035	2	17	0.1662	7.854	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2035	2	18	0.1939	10.991	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2035	2	19	0.2094	11.870	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2035	2	20	0.2150	13.921	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2035	2	21	0.2670	17.293	6.6500	4.7481	64.7605	7.53	0.008655

1	1	15	2035	2	22	0.3679	47.905	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2035	2	23	0.4033	79.784	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2035	2	24	16.5939	142.412	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2035	2	25	20.0986	547.288	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2035	2	26	0.4909	47.976	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2035	2	27	0.3313	9.021	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2035	2	28	0.4420	19.436	8.0600	5.7548	43.9743	17.00	0.002242
1	1	15	2035	3	1	0.1328	3.987	7.2800	5.3799	30.0117	24.10	0.281246
1	1	15	2035	3	2	0.1281	5.148	8.0600	5.7548	40.1957	18.50	0.101405
1	1	15	2035	3	3	0.1774	7.132	8.0600	5.7548	40.1957	18.50	0.337320
1	1	15	2035	3	4	0.2878	10.885	8.0600	5.7548	37.8166	14.20	0.103547
1	1	15	2035	3	5	0.3083	11.660	8.0600	5.7548	37.8166	14.20	0.047578
1	1	15	2035	3	6	0.1447	5.466	6.8800	4.9123	37.7707	10.13	0.027524
1	1	15	2035	3	7	0.1886	7.123	6.8800	4.9123	37.7707	9.39	0.000969
1	1	15	2035	3	8	0.1686	6.152	6.8800	4.9123	36.4932	9.35	0.000281
1	1	15	2035	3	9	0.1936	7.066	6.8800	4.9123	36.4931	8.01	0.000959
1	1	15	2035	3	10	0.1915	6.990	6.8800	4.9123	36.4932	8.14	0.001996
1	1	15	2035	3	11	0.2179	7.951	6.8800	4.9123	36.4932	7.45	0.000819
1	1	15	2035	3	12	0.2304	8.408	6.8800	4.9123	36.4932	7.07	0.000002
1	1	15	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	15	2035	3	14	0.0226	0.680	7.2800	5.1979	30.0117	32.40	0.000028
1	1	15	2035	3	15	0.0363	1.753	8.0600	5.7548	48.2848	22.10	0.004518
1	1	15	2035	3	16	0.2040	9.192	6.6500	4.7481	45.0549	12.96	0.008198
1	1	15	2035	3	17	0.2342	11.067	6.6500	4.7481	47.2522	11.66	0.002544
1	1	15	2035	3	18	0.2727	15.458	6.6500	4.7481	56.6821	10.20	0.002699
1	1	15	2035	3	19	0.2946	16.697	6.6500	4.7481	56.6821	9.88	0.001293
1	1	15	2035	3	20	0.3643	23.593	6.6500	4.7481	64.7605	8.71	0.006032
1	1	15	2035	3	21	0.4518	29.256	6.6500	4.7481	64.7605	7.53	0.008655
1	1	15	2035	3	22	0.5173	67.368	6.6500	4.7481	130.2221	6.59	0.010278
1	1	15	2035	3	23	0.5683	112.425	6.6500	4.7481	197.8148	6.30	0.036527
1	1	15	2035	3	24	1.6577	14.227	1.3500	0.9639	8.5822	50.00	0.002374
1	1	15	2035	3	25	0.2625	7.148	6.8800	4.9123	27.2301	6.45	0.000303
1	1	15	2035	3	26	0.7547	73.759	6.6500	4.7481	97.7390	4.36	0.003655
1	1	15	2035	3	27	0.5600	15.249	6.6500	4.7481	27.2301	6.18	0.007008
1	1	15	2035	3	28	0.0420	1.847	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	16	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002

1	1	16	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	16	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	16	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	16	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	16	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	16	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2035	1	1	0.1609	4.829	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2035	1	2	0.1245	5.003	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2035	1	3	0.1739	6.991	8.0600	5.7548	40.1957	18.50	0.337320
1	1	16	2035	1	4	0.2733	10.334	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2035	1	5	0.2734	10.339	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2035	1	6	0.2359	8.909	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2035	1	7	0.2183	8.246	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2035	1	8	0.2004	7.313	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2035	1	9	0.2262	8.254	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2035	1	10	0.2249	8.207	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2035	1	11	0.2425	8.849	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2035	1	12	0.2614	9.541	6.8800	4.9123	36.4932	7.07	0.000002
1	1	16	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2035	1	14	0.0321	0.962	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2035	1	15	0.0629	3.037	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2035	1	16	0.1507	6.791	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2035	1	17	0.1721	8.132	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2035	1	18	0.2010	11.391	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2035	1	19	0.2170	12.300	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2035	1	20	0.2683	17.375	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2035	1	21	0.3324	21.529	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2035	1	22	0.3805	49.554	6.6500	4.7481	130.2221	6.59	0.010278
1	1	16	2035	1	23	0.4179	82.676	6.6500	4.7481	197.8148	6.30	0.036527
1	1	16	2035	1	24	2.5251	21.671	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2035	1	25	0.3192	8.693	6.8800	4.9123	27.2301	6.45	0.000303
1	1	16	2035	1	26	0.3442	33.641	6.6500	4.7481	97.7390	4.36	0.003655
1	1	16	2035	1	27	0.4126	11.235	6.6500	4.7481	27.2301	6.18	0.007008
1	1	16	2035	1	28	0.0997	4.384	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2035	2	1	9.8590	295.885	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2035	2	2	7.8227	314.438	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2035	2	3	8.3658	336.270	8.0600	5.7548	40.1957	18.50	0.337320

1	1	16	2035	2	4	9.8175	371.266	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2035	2	5	10.0559	380.280	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2035	2	6	9.0638	342.348	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2035	2	7	11.7073	442.193	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2035	2	8	11.3776	415.204	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2035	2	9	13.2891	484.961	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2035	2	10	13.1529	479.991	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2035	2	11	15.6332	570.506	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2035	2	12	16.6491	607.579	6.8800	4.9123	36.4932	7.07	0.000002
1	1	16	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2035	2	14	0.7203	21.617	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2035	2	15	0.3283	15.850	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2035	2	16	0.1377	6.204	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2035	2	17	0.1577	7.451	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2035	2	18	0.1840	10.427	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2035	2	19	0.1987	11.261	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2035	2	20	0.2039	13.206	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2035	2	21	0.2533	16.406	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2035	2	22	0.3490	45.446	6.6500	4.7481	130.2221	6.59	0.010278
1	1	16	2035	2	23	0.3826	75.690	6.6500	4.7481	197.8148	6.30	0.036527
1	1	16	2035	2	24	15.9508	136.893	1.3500	0.9639	8.5822	50.00	0.002374
1	1	16	2035	2	25	19.0034	517.464	6.8800	4.9123	27.2301	6.45	0.000303
1	1	16	2035	2	26	0.4657	45.514	6.6500	4.7481	97.7390	4.36	0.003655
1	1	16	2035	2	27	0.3143	8.558	6.6500	4.7481	27.2301	6.18	0.007008
1	1	16	2035	2	28	0.4246	18.669	8.0600	5.7548	43.9743	17.00	0.002242
1	1	16	2035	3	1	0.1307	3.924	7.2800	5.3799	30.0117	24.10	0.281246
1	1	16	2035	3	2	0.1260	5.064	8.0600	5.7548	40.1957	18.50	0.101405
1	1	16	2035	3	3	0.1746	7.020	8.0600	5.7548	40.1957	18.50	0.337320
1	1	16	2035	3	4	0.2835	10.721	8.0600	5.7548	37.8166	14.20	0.103547
1	1	16	2035	3	5	0.3040	11.495	8.0600	5.7548	37.8166	14.20	0.047578
1	1	16	2035	3	6	0.1459	5.509	6.8800	4.9123	37.7707	10.13	0.027524
1	1	16	2035	3	7	0.1901	7.179	6.8800	4.9123	37.7707	9.39	0.000969
1	1	16	2035	3	8	0.1699	6.200	6.8800	4.9123	36.4932	9.35	0.000281
1	1	16	2035	3	9	0.1952	7.122	6.8800	4.9123	36.4931	8.01	0.000959
1	1	16	2035	3	10	0.1930	7.045	6.8800	4.9123	36.4932	8.14	0.001996
1	1	16	2035	3	11	0.2196	8.013	6.8800	4.9123	36.4932	7.45	0.000819
1	1	16	2035	3	12	0.2322	8.474	6.8800	4.9123	36.4932	7.07	0.000002
1	1	16	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	16	2035	3	14	0.0222	0.666	7.2800	5.1979	30.0117	32.40	0.000028
1	1	16	2035	3	15	0.0356	1.718	8.0600	5.7548	48.2848	22.10	0.004518
1	1	16	2035	3	16	0.1998	9.002	6.6500	4.7481	45.0549	12.96	0.008198
1	1	16	2035	3	17	0.2294	10.838	6.6500	4.7481	47.2522	11.66	0.002544
1	1	16	2035	3	18	0.2671	15.138	6.6500	4.7481	56.6821	10.20	0.002699
1	1	16	2035	3	19	0.2885	16.352	6.6500	4.7481	56.6821	9.88	0.001293
1	1	16	2035	3	20	0.3568	23.105	6.6500	4.7481	64.7605	8.71	0.006032
1	1	16	2035	3	21	0.4424	28.651	6.6500	4.7481	64.7605	7.53	0.008655
1	1	16	2035	3	22	0.5066	65.974	6.6500	4.7481	130.2221	6.59	0.010278

1	1	16	2035	3	23	0.5566	110.100	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	16	2035	3	24	1.6721	14.351	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	16	2035	3	25	0.2645	7.204	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	16	2035	3	26	0.7390	72.234	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	16	2035	3	27	0.5484	14.934	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	16	2035	3	28	0.0411	1.809	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	17	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	17	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	17	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	17	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	17	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	17	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	17	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	17	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	17	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	17	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	17	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	17	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	17	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	17	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	17	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	17	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	17	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	17	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	17	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	17	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	17	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	17	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	17	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	17	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	17	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	17	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	17	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	17	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	17	2035	1	1	0.1567	4.702	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	17	2035	1	2	0.1213	4.877	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	17	2035	1	3	0.1700	6.832	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	17	2035	1	4	0.2669	10.093	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	17	2035	1	5	0.2670	10.096	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	17	2035	1	6	0.2236	8.445	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	17	2035	1	7	0.2071	7.822	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	17	2035	1	8	0.1902	6.940	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	17	2035	1	9	0.2144	7.824	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	17	2035	1	10	0.2132	7.780	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	17	2035	1	11	0.2297	8.383	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	17	2035	1	12	0.2475	9.034	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	17	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											

1	1	17	2035	1	14	0.0312	0.937	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	17	2035	1	15	0.0612	2.953	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	17	2035	1	16	0.1457	6.564	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	17	2035	1	17	0.1663	7.860	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	17	2035	1	18	0.1942	11.010	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	17	2035	1	19	0.2097	11.888	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	17	2035	1	20	0.2593	16.795	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	17	2035	1	21	0.3213	20.809	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	17	2035	1	22	0.3678	47.898	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	17	2035	1	23	0.4040	79.913	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	17	2035	1	24	2.4640	21.146	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	17	2035	1	25	0.3024	8.235	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	17	2035	1	26	0.3327	32.517	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	17	2035	1	27	0.3988	10.860	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	17	2035	1	28	0.0970	4.265	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	17	2035	2	1	9.8027	294.197	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	17	2035	2	2	7.7690	312.279	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	17	2035	2	3	8.3102	334.033	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	17	2035	2	4	9.7437	368.475	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	17	2035	2	5	9.9811	377.451	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	17	2035	2	6	8.5937	324.590	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	17	2035	2	7	11.1000	419.256	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	17	2035	2	8	10.7874	393.667	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	17	2035	2	9	12.5998	459.806	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	17	2035	2	10	12.4706	455.093	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	17	2035	2	11	14.8223	540.914	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	17	2035	2	12	15.7855	576.064	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	17	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	17	2035	2	14	0.6954	20.869	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	17	2035	2	15	0.3158	15.249	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	17	2035	2	16	0.1310	5.902	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	17	2035	2	17	0.1500	7.088	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	17	2035	2	18	0.1750	9.919	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	17	2035	2	19	0.1890	10.713	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	17	2035	2	20	0.1940	12.564	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	17	2035	2	21	0.2410	15.607	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	17	2035	2	22	0.3320	43.234	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	17	2035	2	23	0.3640	72.005	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	17	2035	2	24	15.3719	131.925	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	17	2035	2	25	18.0176	490.623	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	17	2035	2	26	0.4430	43.298	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	17	2035	2	27	0.2990	8.142	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	17	2035	2	28	0.4089	17.979	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	17	2035	3	1	0.1289	3.867	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	17	2035	3	2	0.1241	4.989	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	17	2035	3	3	0.1721	6.919	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	17	2035	3	4	0.2796	10.574	8.0600	5.7548	37.8166	14.20
0.103547											

1	1	17	2035	3	5	0.3000	11.346	8.0600	5.7548	37.8166	14.20	0.047578
1	1	17	2035	3	6	0.1469	5.548	6.8800	4.9123	37.7707	10.13	0.027524
1	1	17	2035	3	7	0.1914	7.229	6.8800	4.9123	37.7707	9.39	0.000969
1	1	17	2035	3	8	0.1711	6.243	6.8800	4.9123	36.4932	9.35	0.000281
1	1	17	2035	3	9	0.1965	7.172	6.8800	4.9123	36.4931	8.01	0.000959
1	1	17	2035	3	10	0.1944	7.094	6.8800	4.9123	36.4932	8.14	0.001996
1	1	17	2035	3	11	0.2211	8.069	6.8800	4.9123	36.4932	7.45	0.000819
1	1	17	2035	3	12	0.2338	8.533	6.8800	4.9123	36.4932	7.07	0.000002
1	1	17	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	17	2035	3	14	0.0218	0.654	7.2800	5.1979	30.0117	32.40	0.000028
1	1	17	2035	3	15	0.0349	1.686	8.0600	5.7548	48.2848	22.10	0.004518
1	1	17	2035	3	16	0.1960	8.831	6.6500	4.7481	45.0549	12.96	0.008198
1	1	17	2035	3	17	0.2250	10.632	6.6500	4.7481	47.2522	11.66	0.002544
1	1	17	2035	3	18	0.2620	14.851	6.6500	4.7481	56.6821	10.20	0.002699
1	1	17	2035	3	19	0.2830	16.041	6.6500	4.7481	56.6821	9.88	0.001293
1	1	17	2035	3	20	0.3500	22.666	6.6500	4.7481	64.7605	8.71	0.006032
1	1	17	2035	3	21	0.4340	28.106	6.6500	4.7481	64.7605	7.53	0.008655
1	1	17	2035	3	22	0.4970	64.720	6.6500	4.7481	130.2221	6.59	0.010278
1	1	17	2035	3	23	0.5460	108.007	6.6500	4.7481	197.8148	6.30	0.036527
1	1	17	2035	3	24	1.6851	14.462	1.3500	0.9639	8.5822	50.00	0.002374
1	1	17	2035	3	25	0.2664	7.254	6.8800	4.9123	27.2301	6.45	0.000303
1	1	17	2035	3	26	0.7250	70.861	6.6500	4.7481	97.7390	4.36	0.003655
1	1	17	2035	3	27	0.5380	14.650	6.6500	4.7481	27.2301	6.18	0.007008
1	1	17	2035	3	28	0.0404	1.776	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	18	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527

1	1	18	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2035	1	1	0.1528	4.586	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2035	1	2	0.1185	4.764	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2035	1	3	0.1664	6.689	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2035	1	4	0.2611	9.874	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2035	1	5	0.2612	9.876	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2035	1	6	0.2119	8.005	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2035	1	7	0.1964	7.420	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2035	1	8	0.1805	6.586	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2035	1	9	0.2032	7.416	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2035	1	10	0.2021	7.375	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2035	1	11	0.2176	7.941	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2035	1	12	0.2343	8.551	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2035	1	14	0.0303	0.910	7.2800	5.1979	30.0117	32.40	0.000028
1	1	18	2035	1	15	0.0592	2.859	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2035	1	16	0.1401	6.311	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2035	1	17	0.1600	7.558	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2035	1	18	0.1868	10.587	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2035	1	19	0.2017	11.432	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2035	1	20	0.2494	16.149	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2035	1	21	0.3090	20.010	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2035	1	22	0.3537	46.058	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2035	1	23	0.3885	76.843	6.6500	4.7481	197.8148	6.30	0.036527
1	1	18	2035	1	24	2.4072	20.659	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2035	1	25	0.2865	7.803	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2035	1	26	0.3199	31.267	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2035	1	27	0.3835	10.443	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2035	1	28	0.0940	4.133	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2035	2	1	9.7545	292.748	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2035	2	2	7.7228	310.422	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2035	2	3	8.2627	332.123	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2035	2	4	9.6815	366.123	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2035	2	5	9.9181	375.068	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2035	2	6	8.1531	307.948	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2035	2	7	10.5309	397.761	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2035	2	8	10.2344	373.484	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2035	2	9	11.9538	436.231	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2035	2	10	11.8313	431.760	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2035	2	11	14.0624	513.181	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2035	2	12	14.9762	546.528	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2035	2	14	0.6710	20.139	7.2800	5.1979	30.0117	32.40	0.000028

1	1	18	2035	2	15	0.3037	14.663	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2035	2	16	0.1245	5.608	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2035	2	17	0.1425	6.734	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2035	2	18	0.1663	9.424	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2035	2	19	0.1796	10.178	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2035	2	20	0.1843	11.936	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2035	2	21	0.2290	14.828	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2035	2	22	0.3154	41.076	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2035	2	23	0.3458	68.411	6.6500	4.7481	197.8148	6.30	0.036527
1	1	18	2035	2	24	14.8369	127.333	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2035	2	25	17.0939	465.468	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2035	2	26	0.4209	41.137	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2035	2	27	0.2841	7.735	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2035	2	28	0.3936	17.306	8.0600	5.7548	43.9743	17.00	0.002242
1	1	18	2035	3	1	0.1271	3.816	7.2800	5.3799	30.0117	24.10	0.281246
1	1	18	2035	3	2	0.1224	4.921	8.0600	5.7548	40.1957	18.50	0.101405
1	1	18	2035	3	3	0.1698	6.827	8.0600	5.7548	40.1957	18.50	0.337320
1	1	18	2035	3	4	0.2761	10.441	8.0600	5.7548	37.8166	14.20	0.103547
1	1	18	2035	3	5	0.2965	11.211	8.0600	5.7548	37.8166	14.20	0.047578
1	1	18	2035	3	6	0.1484	5.606	6.8800	4.9123	37.7707	10.13	0.027524
1	1	18	2035	3	7	0.1934	7.305	6.8800	4.9123	37.7707	9.39	0.000969
1	1	18	2035	3	8	0.1729	6.309	6.8800	4.9123	36.4932	9.35	0.000281
1	1	18	2035	3	9	0.1986	7.247	6.8800	4.9123	36.4931	8.01	0.000959
1	1	18	2035	3	10	0.1964	7.169	6.8800	4.9123	36.4932	8.14	0.001996
1	1	18	2035	3	11	0.2234	8.154	6.8800	4.9123	36.4932	7.45	0.000819
1	1	18	2035	3	12	0.2363	8.623	6.8800	4.9123	36.4932	7.07	0.000002
1	1	18	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	18	2035	3	14	0.0214	0.642	7.2800	5.1979	30.0117	32.40	0.000028
1	1	18	2035	3	15	0.0343	1.656	8.0600	5.7548	48.2848	22.10	0.004518
1	1	18	2035	3	16	0.1924	8.669	6.6500	4.7481	45.0549	12.96	0.008198
1	1	18	2035	3	17	0.2209	10.437	6.6500	4.7481	47.2522	11.66	0.002544
1	1	18	2035	3	18	0.2572	14.578	6.6500	4.7481	56.6821	10.20	0.002699
1	1	18	2035	3	19	0.2778	15.747	6.6500	4.7481	56.6821	9.88	0.001293
1	1	18	2035	3	20	0.3436	22.250	6.6500	4.7481	64.7605	8.71	0.006032
1	1	18	2035	3	21	0.4260	27.590	6.6500	4.7481	64.7605	7.53	0.008655
1	1	18	2035	3	22	0.4879	63.532	6.6500	4.7481	130.2221	6.59	0.010278
1	1	18	2035	3	23	0.5360	106.024	6.6500	4.7481	197.8148	6.30	0.036527
1	1	18	2035	3	24	1.7095	14.672	1.3500	0.9639	8.5822	50.00	0.002374
1	1	18	2035	3	25	0.2692	7.330	6.8800	4.9123	27.2301	6.45	0.000303
1	1	18	2035	3	26	0.7117	69.560	6.6500	4.7481	97.7390	4.36	0.003655
1	1	18	2035	3	27	0.5281	14.381	6.6500	4.7481	27.2301	6.18	0.007008
1	1	18	2035	3	28	0.0397	1.744	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578

1	1	19	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	19	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	19	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	19	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	19	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	19	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	19	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	19	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	19	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	19	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	19	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2035	1	1	0.1493	4.482	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2035	1	2	0.1159	4.660	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2035	1	3	0.1632	6.559	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2035	1	4	0.2559	9.675	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2035	1	5	0.2559	9.676	8.0600	5.7548	37.8166	14.20	0.047578
1	1	19	2035	1	6	0.2013	7.604	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2035	1	7	0.1868	7.054	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2035	1	8	0.1717	6.264	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2035	1	9	0.1931	7.045	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2035	1	10	0.1920	7.006	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2035	1	11	0.2066	7.539	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2035	1	12	0.2223	8.113	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2035	1	14	0.0295	0.884	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2035	1	15	0.0575	2.774	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2035	1	16	0.1350	6.082	6.6500	4.7481	45.0549	12.96	0.008198
1	1	19	2035	1	17	0.1541	7.284	6.6500	4.7481	47.2522	11.66	0.002544
1	1	19	2035	1	18	0.1800	10.202	6.6500	4.7481	56.6821	10.20	0.002699
1	1	19	2035	1	19	0.1944	11.016	6.6500	4.7481	56.6821	9.88	0.001293
1	1	19	2035	1	20	0.2403	15.563	6.6500	4.7481	64.7605	8.71	0.006032
1	1	19	2035	1	21	0.2978	19.283	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2035	1	22	0.3408	44.385	6.6500	4.7481	130.2221	6.59	0.010278
1	1	19	2035	1	23	0.3743	74.051	6.6500	4.7481	197.8148	6.30	0.036527
1	1	19	2035	1	24	2.3556	20.216	1.3500	0.9639	8.5822	50.00	0.002374

1	1	19	2035	1	25	0.2721	7.409	6.8800	4.9123	27.2301	6.45	0.000303
1	1	19	2035	1	26	0.3083	30.132	6.6500	4.7481	97.7390	4.36	0.003655
1	1	19	2035	1	27	0.3696	10.063	6.6500	4.7481	27.2301	6.18	0.007008
1	1	19	2035	1	28	0.0913	4.013	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2035	2	1	9.7106	291.431	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2035	2	2	7.6808	308.735	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2035	2	3	8.2194	330.386	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2035	2	4	9.6250	363.985	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2035	2	5	9.8608	372.901	8.0600	5.7548	37.8166	14.20	0.047578
1	1	19	2035	2	6	7.7525	292.819	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2035	2	7	10.0136	378.219	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2035	2	8	9.7316	355.135	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2035	2	9	11.3665	414.800	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2035	2	10	11.2500	410.549	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2035	2	11	13.3715	487.969	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2035	2	12	14.2404	519.678	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2035	2	14	0.6489	19.476	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2035	2	15	0.2926	14.130	8.0600	5.7548	48.2848	22.10	0.004518
1	1	19	2035	2	16	0.1185	5.340	6.6500	4.7481	45.0549	12.96	0.008198
1	1	19	2035	2	17	0.1357	6.412	6.6500	4.7481	47.2522	11.66	0.002544
1	1	19	2035	2	18	0.1583	8.974	6.6500	4.7481	56.6821	10.20	0.002699
1	1	19	2035	2	19	0.1710	9.692	6.6500	4.7481	56.6821	9.88	0.001293
1	1	19	2035	2	20	0.1755	11.366	6.6500	4.7481	64.7605	8.71	0.006032
1	1	19	2035	2	21	0.2180	14.120	6.6500	4.7481	64.7605	7.53	0.008655
1	1	19	2035	2	22	0.3004	39.114	6.6500	4.7481	130.2221	6.59	0.010278
1	1	19	2035	2	23	0.3293	65.144	6.6500	4.7481	197.8148	6.30	0.036527
1	1	19	2035	2	24	14.3505	123.159	1.3500	0.9639	8.5822	50.00	0.002374
1	1	19	2035	2	25	16.2541	442.601	6.8800	4.9123	27.2301	6.45	0.000303
1	1	19	2035	2	26	0.4008	39.173	6.6500	4.7481	97.7390	4.36	0.003655
1	1	19	2035	2	27	0.2705	7.366	6.6500	4.7481	27.2301	6.18	0.007008
1	1	19	2035	2	28	0.3796	16.695	8.0600	5.7548	43.9743	17.00	0.002242
1	1	19	2035	3	1	0.1256	3.769	7.2800	5.3799	30.0117	24.10	0.281246
1	1	19	2035	3	2	0.1209	4.860	8.0600	5.7548	40.1957	18.50	0.101405
1	1	19	2035	3	3	0.1678	6.744	8.0600	5.7548	40.1957	18.50	0.337320
1	1	19	2035	3	4	0.2729	10.320	8.0600	5.7548	37.8166	14.20	0.103547
1	1	19	2035	3	5	0.2932	11.088	8.0600	5.7548	37.8166	14.20	0.047578
1	1	19	2035	3	6	0.1498	5.659	6.8800	4.9123	37.7707	10.13	0.027524
1	1	19	2035	3	7	0.1952	7.374	6.8800	4.9123	37.7707	9.39	0.000969
1	1	19	2035	3	8	0.1745	6.368	6.8800	4.9123	36.4932	9.35	0.000281
1	1	19	2035	3	9	0.2004	7.315	6.8800	4.9123	36.4931	8.01	0.000959
1	1	19	2035	3	10	0.1983	7.236	6.8800	4.9123	36.4932	8.14	0.001996
1	1	19	2035	3	11	0.2255	8.231	6.8800	4.9123	36.4932	7.45	0.000819
1	1	19	2035	3	12	0.2385	8.704	6.8800	4.9123	36.4932	7.07	0.000002
1	1	19	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	19	2035	3	14	0.0210	0.632	7.2800	5.1979	30.0117	32.40	0.000028
1	1	19	2035	3	15	0.0337	1.628	8.0600	5.7548	48.2848	22.10	0.004518

1	1	19	2035	3	16	0.1891	8.521	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	19	2035	3	17	0.2171	10.259	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	19	2035	3	18	0.2528	14.330	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	19	2035	3	19	0.2731	15.479	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	19	2035	3	20	0.3377	21.872	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	19	2035	3	21	0.4188	27.121	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	19	2035	3	22	0.4796	62.452	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	19	2035	3	23	0.5269	104.221	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	19	2035	3	24	1.7317	14.862	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	19	2035	3	25	0.2717	7.399	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	19	2035	3	26	0.6996	68.377	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	19	2035	3	27	0.5191	14.136	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	19	2035	3	28	0.0390	1.715	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	20	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	20	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	20	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	20	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	20	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	20	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	20	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	20	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	20	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	20	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	20	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	20	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	20	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	20	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	20	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	20	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	20	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	20	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	20	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	20	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	20	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	20	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	20	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	20	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	20	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	20	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	20	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	20	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	20	2035	1	1	0.1462	4.386	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	20	2035	1	2	0.1136	4.566	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	20	2035	1	3	0.1602	6.439	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	20	2035	1	4	0.2511	9.494	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	20	2035	1	5	0.2510	9.494	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	20	2035	1	6	0.1917	7.239	6.8800	4.9123	37.7707	10.13
0.027524											

1	1	20	2035	1	7	0.1779	6.721	6.8800	4.9123	37.7707	9.39	0.000969
1	1	20	2035	1	8	0.1636	5.971	6.8800	4.9123	36.4932	9.35	0.000281
1	1	20	2035	1	9	0.1838	6.706	6.8800	4.9123	36.4931	8.01	0.000959
1	1	20	2035	1	10	0.1828	6.670	6.8800	4.9123	36.4932	8.14	0.001996
1	1	20	2035	1	11	0.1965	7.172	6.8800	4.9123	36.4932	7.45	0.000819
1	1	20	2035	1	12	0.2113	7.713	6.8800	4.9123	36.4932	7.07	0.000002
1	1	20	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2035	1	14	0.0287	0.861	7.2800	5.1979	30.0117	32.40	0.000028
1	1	20	2035	1	15	0.0559	2.697	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2035	1	16	0.1303	5.873	6.6500	4.7481	45.0549	12.96	0.008198
1	1	20	2035	1	17	0.1488	7.033	6.6500	4.7481	47.2522	11.66	0.002544
1	1	20	2035	1	18	0.1738	9.851	6.6500	4.7481	56.6821	10.20	0.002699
1	1	20	2035	1	19	0.1877	10.637	6.6500	4.7481	56.6821	9.88	0.001293
1	1	20	2035	1	20	0.2320	15.027	6.6500	4.7481	64.7605	8.71	0.006032
1	1	20	2035	1	21	0.2875	18.619	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2035	1	22	0.3291	42.857	6.6500	4.7481	130.2221	6.59	0.010278
1	1	20	2035	1	23	0.3615	71.503	6.6500	4.7481	197.8148	6.30	0.036527
1	1	20	2035	1	24	2.3085	19.812	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2035	1	25	0.2589	7.050	6.8800	4.9123	27.2301	6.45	0.000303
1	1	20	2035	1	26	0.2977	29.094	6.6500	4.7481	97.7390	4.36	0.003655
1	1	20	2035	1	27	0.3568	9.717	6.6500	4.7481	27.2301	6.18	0.007008
1	1	20	2035	1	28	0.0888	3.904	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2035	2	1	9.6705	290.229	7.2800	5.3799	30.0117	24.10	0.281246
1	1	20	2035	2	2	7.6425	307.194	8.0600	5.7548	40.1957	18.50	0.101405
1	1	20	2035	2	3	8.1800	328.800	8.0600	5.7548	40.1957	18.50	0.337320
1	1	20	2035	2	4	9.5734	362.034	8.0600	5.7548	37.8166	14.20	0.103547
1	1	20	2035	2	5	9.8085	370.923	8.0600	5.7548	37.8166	14.20	0.047578
1	1	20	2035	2	6	7.3868	279.005	6.8800	4.9123	37.7707	10.13	0.027524
1	1	20	2035	2	7	9.5412	360.377	6.8800	4.9123	37.7707	9.39	0.000969
1	1	20	2035	2	8	9.2725	338.382	6.8800	4.9123	36.4932	9.35	0.000281
1	1	20	2035	2	9	10.8303	395.232	6.8800	4.9123	36.4931	8.01	0.000959
1	1	20	2035	2	10	10.7193	391.181	6.8800	4.9123	36.4932	8.14	0.001996
1	1	20	2035	2	11	12.7407	464.949	6.8800	4.9123	36.4932	7.45	0.000819
1	1	20	2035	2	12	13.5687	495.163	6.8800	4.9123	36.4932	7.07	0.000002
1	1	20	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2035	2	14	0.6288	18.870	7.2800	5.1979	30.0117	32.40	0.000028
1	1	20	2035	2	15	0.2826	13.644	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2035	2	16	0.1131	5.095	6.6500	4.7481	45.0549	12.96	0.008198
1	1	20	2035	2	17	0.1295	6.119	6.6500	4.7481	47.2522	11.66	0.002544
1	1	20	2035	2	18	0.1511	8.563	6.6500	4.7481	56.6821	10.20	0.002699
1	1	20	2035	2	19	0.1632	9.248	6.6500	4.7481	56.6821	9.88	0.001293
1	1	20	2035	2	20	0.1675	10.846	6.6500	4.7481	64.7605	8.71	0.006032
1	1	20	2035	2	21	0.2081	13.474	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2035	2	22	0.2866	37.323	6.6500	4.7481	130.2221	6.59	0.010278
1	1	20	2035	2	23	0.3142	62.161	6.6500	4.7481	197.8148	6.30	0.036527
1	1	20	2035	2	24	13.9064	119.347	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2035	2	25	15.4873	421.721	6.8800	4.9123	27.2301	6.45	0.000303

1	1	20	2035	2	26	0.3824	37.379	6.6500	4.7481	97.7390	4.36	0.003655
1	1	20	2035	2	27	0.2581	7.029	6.6500	4.7481	27.2301	6.18	0.007008
1	1	20	2035	2	28	0.3669	16.136	8.0600	5.7548	43.9743	17.00	0.002242
1	1	20	2035	3	1	0.1242	3.727	7.2800	5.3799	30.0117	24.10	0.281246
1	1	20	2035	3	2	0.1195	4.803	8.0600	5.7548	40.1957	18.50	0.101405
1	1	20	2035	3	3	0.1659	6.668	8.0600	5.7548	40.1957	18.50	0.337320
1	1	20	2035	3	4	0.2700	10.210	8.0600	5.7548	37.8166	14.20	0.103547
1	1	20	2035	3	5	0.2903	10.977	8.0600	5.7548	37.8166	14.20	0.047578
1	1	20	2035	3	6	0.1511	5.707	6.8800	4.9123	37.7707	10.13	0.027524
1	1	20	2035	3	7	0.1969	7.437	6.8800	4.9123	37.7707	9.39	0.000969
1	1	20	2035	3	8	0.1760	6.422	6.8800	4.9123	36.4932	9.35	0.000281
1	1	20	2035	3	9	0.2022	7.377	6.8800	4.9123	36.4931	8.01	0.000959
1	1	20	2035	3	10	0.2000	7.298	6.8800	4.9123	36.4932	8.14	0.001996
1	1	20	2035	3	11	0.2275	8.301	6.8800	4.9123	36.4932	7.45	0.000819
1	1	20	2035	3	12	0.2405	8.778	6.8800	4.9123	36.4932	7.07	0.000002
1	1	20	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	20	2035	3	14	0.0207	0.622	7.2800	5.1979	30.0117	32.40	0.000028
1	1	20	2035	3	15	0.0332	1.603	8.0600	5.7548	48.2848	22.10	0.004518
1	1	20	2035	3	16	0.1861	8.387	6.6500	4.7481	45.0549	12.96	0.008198
1	1	20	2035	3	17	0.2137	10.097	6.6500	4.7481	47.2522	11.66	0.002544
1	1	20	2035	3	18	0.2488	14.104	6.6500	4.7481	56.6821	10.20	0.002699
1	1	20	2035	3	19	0.2688	15.234	6.6500	4.7481	56.6821	9.88	0.001293
1	1	20	2035	3	20	0.3324	21.526	6.6500	4.7481	64.7605	8.71	0.006032
1	1	20	2035	3	21	0.4122	26.693	6.6500	4.7481	64.7605	7.53	0.008655
1	1	20	2035	3	22	0.4720	61.465	6.6500	4.7481	130.2221	6.59	0.010278
1	1	20	2035	3	23	0.5185	102.575	6.6500	4.7481	197.8148	6.30	0.036527
1	1	20	2035	3	24	1.7520	15.036	1.3500	0.9639	8.5822	50.00	0.002374
1	1	20	2035	3	25	0.2740	7.462	6.8800	4.9123	27.2301	6.45	0.000303
1	1	20	2035	3	26	0.6885	67.297	6.6500	4.7481	97.7390	4.36	0.003655
1	1	20	2035	3	27	0.5109	13.913	6.6500	4.7481	27.2301	6.18	0.007008
1	1	20	2035	3	28	0.0384	1.689	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	21	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198

1	1	21	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	21	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2035	1	1	0.1432	4.299	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2035	1	2	0.1114	4.480	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2035	1	3	0.1575	6.330	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2035	1	4	0.2467	9.328	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2035	1	5	0.2466	9.326	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2035	1	6	0.1828	6.904	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2035	1	7	0.1698	6.415	6.8800	4.9123	37.7707	9.39	0.000969
1	1	21	2035	1	8	0.1562	5.702	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2035	1	9	0.1753	6.396	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2035	1	10	0.1743	6.361	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2035	1	11	0.1873	6.835	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2035	1	12	0.2013	7.346	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2035	1	14	0.0280	0.840	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2035	1	15	0.0544	2.626	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2035	1	16	0.1261	5.681	6.6500	4.7481	45.0549	12.96	0.008198
1	1	21	2035	1	17	0.1440	6.803	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2035	1	18	0.1681	9.529	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2035	1	19	0.1815	10.290	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2035	1	20	0.2245	14.536	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2035	1	21	0.2781	18.011	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2035	1	22	0.3184	41.457	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2035	1	23	0.3497	69.166	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2035	1	24	2.2653	19.442	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2035	1	25	0.2468	6.721	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2035	1	26	0.2879	28.144	6.6500	4.7481	97.7390	4.36	0.003655
1	1	21	2035	1	27	0.3452	9.399	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2035	1	28	0.0865	3.803	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2035	2	1	9.6338	289.126	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2035	2	2	7.6073	305.782	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2035	2	3	8.1438	327.347	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2035	2	4	9.5261	360.244	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2035	2	5	9.7605	369.110	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2035	2	6	7.0516	266.343	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2035	2	7	9.1082	344.022	6.8800	4.9123	37.7707	9.39	0.000969

1	1	21	2035	2	8	8.8517	323.025	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2035	2	9	10.3388	377.295	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2035	2	10	10.2328	373.428	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2035	2	11	12.1625	443.848	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2035	2	12	12.9529	472.691	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2035	2	14	0.6103	18.315	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2035	2	15	0.2733	13.198	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2035	2	16	0.1081	4.871	6.6500	4.7481	45.0549	12.96	0.008198
1	1	21	2035	2	17	0.1238	5.850	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2035	2	18	0.1444	8.187	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2035	2	19	0.1560	8.841	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2035	2	20	0.1601	10.369	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2035	2	21	0.1989	12.881	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2035	2	22	0.2740	35.681	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2035	2	23	0.3004	59.426	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2035	2	24	13.4993	115.854	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2035	2	25	14.7844	402.582	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2035	2	26	0.3656	35.735	6.6500	4.7481	97.7390	4.36	0.003655
1	1	21	2035	2	27	0.2468	6.720	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2035	2	28	0.3553	15.624	8.0600	5.7548	43.9743	17.00	0.002242
1	1	21	2035	3	1	0.1229	3.688	7.2800	5.3799	30.0117	24.10	0.281246
1	1	21	2035	3	2	0.1182	4.752	8.0600	5.7548	40.1957	18.50	0.101405
1	1	21	2035	3	3	0.1641	6.598	8.0600	5.7548	40.1957	18.50	0.337320
1	1	21	2035	3	4	0.2673	10.109	8.0600	5.7548	37.8166	14.20	0.103547
1	1	21	2035	3	5	0.2875	10.874	8.0600	5.7548	37.8166	14.20	0.047578
1	1	21	2035	3	6	0.1523	5.751	6.8800	4.9123	37.7707	10.13	0.027524
1	1	21	2035	3	7	0.1984	7.494	6.8800	4.9123	37.7707	9.39	0.000969
1	1	21	2035	3	8	0.1774	6.472	6.8800	4.9123	36.4932	9.35	0.000281
1	1	21	2035	3	9	0.2037	7.435	6.8800	4.9123	36.4931	8.01	0.000959
1	1	21	2035	3	10	0.2015	7.354	6.8800	4.9123	36.4932	8.14	0.001996
1	1	21	2035	3	11	0.2292	8.365	6.8800	4.9123	36.4932	7.45	0.000819
1	1	21	2035	3	12	0.2424	8.846	6.8800	4.9123	36.4932	7.07	0.000002
1	1	21	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	21	2035	3	14	0.0204	0.613	7.2800	5.1979	30.0117	32.40	0.000028
1	1	21	2035	3	15	0.0327	1.580	8.0600	5.7548	48.2848	22.10	0.004518
1	1	21	2035	3	16	0.1834	8.263	6.6500	4.7481	45.0549	12.96	0.008198
1	1	21	2035	3	17	0.2105	9.949	6.6500	4.7481	47.2522	11.66	0.002544
1	1	21	2035	3	18	0.2452	13.896	6.6500	4.7481	56.6821	10.20	0.002699
1	1	21	2035	3	19	0.2648	15.010	6.6500	4.7481	56.6821	9.88	0.001293
1	1	21	2035	3	20	0.3275	21.210	6.6500	4.7481	64.7605	8.71	0.006032
1	1	21	2035	3	21	0.4061	26.300	6.6500	4.7481	64.7605	7.53	0.008655
1	1	21	2035	3	22	0.4651	60.561	6.6500	4.7481	130.2221	6.59	0.010278
1	1	21	2035	3	23	0.5109	101.066	6.6500	4.7481	197.8148	6.30	0.036527
1	1	21	2035	3	24	1.7705	15.195	1.3500	0.9639	8.5822	50.00	0.002374
1	1	21	2035	3	25	0.2762	7.520	6.8800	4.9123	27.2301	6.45	0.000303
1	1	21	2035	3	26	0.6784	66.307	6.6500	4.7481	97.7390	4.36	0.003655

1	1	21	2035	3	27	0.5034	13.708	6.6500	4.7481	27.2301	6.18	0.007008
1	1	21	2035	3	28	0.0379	1.665	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	22	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	22	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2035	1	1	0.1405	4.218	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2035	1	2	0.1095	4.400	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2035	1	3	0.1550	6.230	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2035	1	4	0.2426	9.175	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2035	1	5	0.2425	9.172	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2035	1	6	0.1746	6.596	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2035	1	7	0.1624	6.133	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2035	1	8	0.1495	5.454	6.8800	4.9123	36.4932	9.35	0.000281
1	1	22	2035	1	9	0.1674	6.110	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2035	1	10	0.1665	6.078	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2035	1	11	0.1788	6.525	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2035	1	12	0.1920	7.008	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2035	1	14	0.0274	0.821	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2035	1	15	0.0530	2.561	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2035	1	16	0.1222	5.504	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2035	1	17	0.1395	6.592	6.6500	4.7481	47.2522	11.66	0.002544

1	1	22	2035	1	18	0.1629	9.233	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2035	1	19	0.1759	9.970	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2035	1	20	0.2175	14.084	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2035	1	21	0.2695	17.451	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2035	1	22	0.3085	40.168	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2035	1	23	0.3388	67.017	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2035	1	24	2.2256	19.101	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2035	1	25	0.2357	6.418	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2035	1	26	0.2790	27.269	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2035	1	27	0.3345	9.107	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2035	1	28	0.0844	3.711	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2035	2	1	9.6000	288.112	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2035	2	2	7.5750	304.482	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2035	2	3	8.1106	326.009	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2035	2	4	9.4825	358.598	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2035	2	5	9.7164	367.442	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2035	2	6	6.7432	254.694	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2035	2	7	8.7098	328.975	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2035	2	8	8.4645	308.896	6.8800	4.9123	36.4932	9.35	0.000281
1	1	22	2035	2	9	9.8866	360.793	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2035	2	10	9.7853	357.095	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2035	2	11	11.6305	424.435	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2035	2	12	12.3863	452.016	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2035	2	14	0.5933	17.805	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2035	2	15	0.2648	12.788	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2035	2	16	0.1035	4.665	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2035	2	17	0.1186	5.602	6.6500	4.7481	47.2522	11.66	0.002544
1	1	22	2035	2	18	0.1383	7.840	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2035	2	19	0.1494	8.467	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2035	2	20	0.1533	9.930	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2035	2	21	0.1905	12.336	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2035	2	22	0.2624	34.171	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2035	2	23	0.2877	56.910	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2035	2	24	13.1247	112.639	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2035	2	25	14.1378	384.974	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2035	2	26	0.3501	34.222	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2035	2	27	0.2363	6.435	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2035	2	28	0.3446	15.153	8.0600	5.7548	43.9743	17.00	0.002242
1	1	22	2035	3	1	0.1217	3.652	7.2800	5.3799	30.0117	24.10	0.281246
1	1	22	2035	3	2	0.1170	4.704	8.0600	5.7548	40.1957	18.50	0.101405
1	1	22	2035	3	3	0.1626	6.534	8.0600	5.7548	40.1957	18.50	0.337320
1	1	22	2035	3	4	0.2649	10.016	8.0600	5.7548	37.8166	14.20	0.103547
1	1	22	2035	3	5	0.2851	10.780	8.0600	5.7548	37.8166	14.20	0.047578
1	1	22	2035	3	6	0.1533	5.792	6.8800	4.9123	37.7707	10.13	0.027524
1	1	22	2035	3	7	0.1998	7.547	6.8800	4.9123	37.7707	9.39	0.000969
1	1	22	2035	3	8	0.1786	6.518	6.8800	4.9123	36.4932	9.35	0.000281

1	1	22	2035	3	9	0.2052	7.487	6.8800	4.9123	36.4931	8.01	0.000959
1	1	22	2035	3	10	0.2030	7.406	6.8800	4.9123	36.4932	8.14	0.001996
1	1	22	2035	3	11	0.2308	8.424	6.8800	4.9123	36.4932	7.45	0.000819
1	1	22	2035	3	12	0.2441	8.909	6.8800	4.9123	36.4932	7.07	0.000002
1	1	22	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	22	2035	3	14	0.0202	0.605	7.2800	5.1979	30.0117	32.40	0.000028
1	1	22	2035	3	15	0.0323	1.559	8.0600	5.7548	48.2848	22.10	0.004518
1	1	22	2035	3	16	0.1809	8.150	6.6500	4.7481	45.0549	12.96	0.008198
1	1	22	2035	3	17	0.2076	9.812	6.6500	4.7481	47.2522	11.66	0.002544
1	1	22	2035	3	18	0.2418	13.706	6.6500	4.7481	56.6821	10.20	0.002699
1	1	22	2035	3	19	0.2612	14.804	6.6500	4.7481	56.6821	9.88	0.001293
1	1	22	2035	3	20	0.3230	20.918	6.6500	4.7481	64.7605	8.71	0.006032
1	1	22	2035	3	21	0.4005	25.939	6.6500	4.7481	64.7605	7.53	0.008655
1	1	22	2035	3	22	0.4587	59.730	6.6500	4.7481	130.2221	6.59	0.010278
1	1	22	2035	3	23	0.5039	99.678	6.6500	4.7481	197.8148	6.30	0.036527
1	1	22	2035	3	24	1.7876	15.342	1.3500	0.9639	8.5822	50.00	0.002374
1	1	22	2035	3	25	0.2781	7.573	6.8800	4.9123	27.2301	6.45	0.000303
1	1	22	2035	3	26	0.6691	65.396	6.6500	4.7481	97.7390	4.36	0.003655
1	1	22	2035	3	27	0.4965	13.520	6.6500	4.7481	27.2301	6.18	0.007008
1	1	22	2035	3	28	0.0373	1.642	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	23	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008

1	1	23	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2035	1	1	0.1383	4.149	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2035	1	2	0.1078	4.335	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2035	1	3	0.1529	6.147	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2035	1	4	0.2394	9.052	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2035	1	5	0.2393	9.050	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2035	1	6	0.1672	6.316	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2035	1	7	0.1556	5.878	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2035	1	8	0.1433	5.229	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2035	1	9	0.1603	5.851	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2035	1	10	0.1595	5.821	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2035	1	11	0.1711	6.245	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2035	1	12	0.1837	6.702	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2035	1	14	0.0267	0.801	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2035	1	15	0.0516	2.494	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2035	1	16	0.1181	5.323	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2035	1	17	0.1349	6.375	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2035	1	18	0.1575	8.929	6.6500	4.7481	56.6821	10.20	0.002699
1	1	23	2035	1	19	0.1701	9.642	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2035	1	20	0.2103	13.620	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2035	1	21	0.2606	16.876	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2035	1	22	0.2983	38.845	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2035	1	23	0.3276	64.810	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2035	1	24	2.1843	18.746	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2035	1	25	0.2256	6.143	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2035	1	26	0.2698	26.371	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2035	1	27	0.3234	8.807	6.6500	4.7481	27.2301	6.18	0.007008
1	1	23	2035	1	28	0.0822	3.616	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2035	2	1	9.5868	287.718	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2035	2	2	7.5628	303.994	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2035	2	3	8.0988	325.536	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2035	2	4	9.4653	357.946	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2035	2	5	9.6990	366.784	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2035	2	6	6.4771	244.645	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2035	2	7	8.3662	315.996	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2035	2	8	8.1305	296.709	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2035	2	9	9.4965	346.558	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2035	2	10	9.3992	343.006	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2035	2	11	11.1717	407.689	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2035	2	12	11.8976	434.182	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2035	2	14	0.5779	17.344	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2035	2	15	0.2572	12.418	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2035	2	16	0.0994	4.479	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2035	2	17	0.1138	5.379	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2035	2	18	0.1328	7.527	6.6500	4.7481	56.6821	10.20	0.002699

1	1	23	2035	2	19	0.1434	8.129	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2035	2	20	0.1472	9.534	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2035	2	21	0.1829	11.844	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2035	2	22	0.2519	32.808	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2035	2	23	0.2762	54.641	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2035	2	24	12.7496	109.420	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2035	2	25	13.5800	369.785	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2035	2	26	0.3362	32.857	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2035	2	27	0.2269	6.178	6.6500	4.7481	27.2301	6.18	0.007008
1	1	23	2035	2	28	0.3349	14.728	8.0600	5.7548	43.9743	17.00	0.002242
1	1	23	2035	3	1	0.1206	3.619	7.2800	5.3799	30.0117	24.10	0.281246
1	1	23	2035	3	2	0.1159	4.660	8.0600	5.7548	40.1957	18.50	0.101405
1	1	23	2035	3	3	0.1611	6.475	8.0600	5.7548	40.1957	18.50	0.337320
1	1	23	2035	3	4	0.2626	9.930	8.0600	5.7548	37.8166	14.20	0.103547
1	1	23	2035	3	5	0.2828	10.693	8.0600	5.7548	37.8166	14.20	0.047578
1	1	23	2035	3	6	0.1548	5.848	6.8800	4.9123	37.7707	10.13	0.027524
1	1	23	2035	3	7	0.2018	7.621	6.8800	4.9123	37.7707	9.39	0.000969
1	1	23	2035	3	8	0.1803	6.581	6.8800	4.9123	36.4932	9.35	0.000281
1	1	23	2035	3	9	0.2072	7.560	6.8800	4.9123	36.4931	8.01	0.000959
1	1	23	2035	3	10	0.2049	7.478	6.8800	4.9123	36.4932	8.14	0.001996
1	1	23	2035	3	11	0.2331	8.506	6.8800	4.9123	36.4932	7.45	0.000819
1	1	23	2035	3	12	0.2465	8.996	6.8800	4.9123	36.4932	7.07	0.000002
1	1	23	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	23	2035	3	14	0.0200	0.599	7.2800	5.1979	30.0117	32.40	0.000028
1	1	23	2035	3	15	0.0320	1.543	8.0600	5.7548	48.2848	22.10	0.004518
1	1	23	2035	3	16	0.1791	8.067	6.6500	4.7481	45.0549	12.96	0.008198
1	1	23	2035	3	17	0.2056	9.713	6.6500	4.7481	47.2522	11.66	0.002544
1	1	23	2035	3	18	0.2394	13.567	6.6500	4.7481	56.6821	10.20	0.002699
1	1	23	2035	3	19	0.2585	14.655	6.6500	4.7481	56.6821	9.88	0.001293
1	1	23	2035	3	20	0.3197	20.707	6.6500	4.7481	64.7605	8.71	0.006032
1	1	23	2035	3	21	0.3965	25.677	6.6500	4.7481	64.7605	7.53	0.008655
1	1	23	2035	3	22	0.4540	59.126	6.6500	4.7481	130.2221	6.59	0.010278
1	1	23	2035	3	23	0.4988	98.671	6.6500	4.7481	197.8148	6.30	0.036527
1	1	23	2035	3	24	1.8094	15.529	1.3500	0.9639	8.5822	50.00	0.002374
1	1	23	2035	3	25	0.2808	7.647	6.8800	4.9123	27.2301	6.45	0.000303
1	1	23	2035	3	26	0.6623	64.736	6.6500	4.7481	97.7390	4.36	0.003655
1	1	23	2035	3	27	0.4915	13.384	6.6500	4.7481	27.2301	6.18	0.007008
1	1	23	2035	3	28	0.0370	1.626	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959

1	1	24	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	24	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	24	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	24	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	24	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	24	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	24	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	24	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2035	1	1	0.1361	4.086	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2035	1	2	0.1063	4.274	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2035	1	3	0.1510	6.070	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2035	1	4	0.2363	8.938	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2035	1	5	0.2363	8.937	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2035	1	6	0.1604	6.057	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2035	1	7	0.1494	5.641	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2035	1	8	0.1376	5.021	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2035	1	9	0.1538	5.612	6.8800	4.9123	36.4931	8.01	0.000959
1	1	24	2035	1	10	0.1530	5.582	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2035	1	11	0.1640	5.985	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2035	1	12	0.1759	6.419	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2035	1	14	0.0261	0.783	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2035	1	15	0.0504	2.431	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2035	1	16	0.1144	5.155	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2035	1	17	0.1307	6.174	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2035	1	18	0.1526	8.648	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2035	1	19	0.1647	9.337	6.6500	4.7481	56.6821	9.88	0.001293
1	1	24	2035	1	20	0.2037	13.191	6.6500	4.7481	64.7605	8.71	0.006032
1	1	24	2035	1	21	0.2524	16.344	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2035	1	22	0.2889	37.620	6.6500	4.7481	130.2221	6.59	0.010278
1	1	24	2035	1	23	0.3173	62.766	6.6500	4.7481	197.8148	6.30	0.036527
1	1	24	2035	1	24	2.1461	18.418	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2035	1	25	0.2162	5.888	6.8800	4.9123	27.2301	6.45	0.000303
1	1	24	2035	1	26	0.2613	25.539	6.6500	4.7481	97.7390	4.36	0.003655
1	1	24	2035	1	27	0.3132	8.530	6.6500	4.7481	27.2301	6.18	0.007008
1	1	24	2035	1	28	0.0802	3.528	8.0600	5.7548	43.9743	17.00	0.002242

1	1	24	2035	2	1	9.5747	287.353	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2035	2	2	7.5516	303.541	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2035	2	3	8.0879	325.097	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2035	2	4	9.4493	357.342	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2035	2	5	9.6829	366.175	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2035	2	6	6.2308	235.340	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2035	2	7	8.0480	303.977	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2035	2	8	7.8213	285.424	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2035	2	9	9.1353	333.377	6.8800	4.9123	36.4931	8.01	0.000959
1	1	24	2035	2	10	9.0417	329.960	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2035	2	11	10.7468	392.184	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2035	2	12	11.4451	417.669	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2035	2	14	0.5637	16.917	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2035	2	15	0.2501	12.075	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2035	2	16	0.0956	4.307	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2035	2	17	0.1094	5.172	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2035	2	18	0.1277	7.238	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2035	2	19	0.1379	7.817	6.6500	4.7481	56.6821	9.88	0.001293
1	1	24	2035	2	20	0.1416	9.167	6.6500	4.7481	64.7605	8.71	0.006032
1	1	24	2035	2	21	0.1758	11.388	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2035	2	22	0.2422	31.546	6.6500	4.7481	130.2221	6.59	0.010278
1	1	24	2035	2	23	0.2656	52.539	6.6500	4.7481	197.8148	6.30	0.036527
1	1	24	2035	2	24	12.4022	106.439	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2035	2	25	13.0635	355.721	6.8800	4.9123	27.2301	6.45	0.000303
1	1	24	2035	2	26	0.3232	31.593	6.6500	4.7481	97.7390	4.36	0.003655
1	1	24	2035	2	27	0.2182	5.941	6.6500	4.7481	27.2301	6.18	0.007008
1	1	24	2035	2	28	0.3260	14.334	8.0600	5.7548	43.9743	17.00	0.002242
1	1	24	2035	3	1	0.1196	3.588	7.2800	5.3799	30.0117	24.10	0.281246
1	1	24	2035	3	2	0.1149	4.619	8.0600	5.7548	40.1957	18.50	0.101405
1	1	24	2035	3	3	0.1597	6.420	8.0600	5.7548	40.1957	18.50	0.337320
1	1	24	2035	3	4	0.2605	9.850	8.0600	5.7548	37.8166	14.20	0.103547
1	1	24	2035	3	5	0.2806	10.612	8.0600	5.7548	37.8166	14.20	0.047578
1	1	24	2035	3	6	0.1562	5.900	6.8800	4.9123	37.7707	10.13	0.027524
1	1	24	2035	3	7	0.2036	7.689	6.8800	4.9123	37.7707	9.39	0.000969
1	1	24	2035	3	8	0.1820	6.640	6.8800	4.9123	36.4932	9.35	0.000281
1	1	24	2035	3	9	0.2090	7.627	6.8800	4.9123	36.4931	8.01	0.000959
1	1	24	2035	3	10	0.2068	7.545	6.8800	4.9123	36.4932	8.14	0.001996
1	1	24	2035	3	11	0.2352	8.582	6.8800	4.9123	36.4932	7.45	0.000819
1	1	24	2035	3	12	0.2487	9.076	6.8800	4.9123	36.4932	7.07	0.000002
1	1	24	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	24	2035	3	14	0.0198	0.594	7.2800	5.1979	30.0117	32.40	0.000028
1	1	24	2035	3	15	0.0317	1.529	8.0600	5.7548	48.2848	22.10	0.004518
1	1	24	2035	3	16	0.1774	7.991	6.6500	4.7481	45.0549	12.96	0.008198
1	1	24	2035	3	17	0.2036	9.621	6.6500	4.7481	47.2522	11.66	0.002544
1	1	24	2035	3	18	0.2371	13.439	6.6500	4.7481	56.6821	10.20	0.002699
1	1	24	2035	3	19	0.2561	14.516	6.6500	4.7481	56.6821	9.88	0.001293

1	1	24	2035	3	20	0.3167	20.511	6.6500	4.7481	64.7605	8.71	0.006032
1	1	24	2035	3	21	0.3927	25.434	6.6500	4.7481	64.7605	7.53	0.008655
1	1	24	2035	3	22	0.4498	58.568	6.6500	4.7481	130.2221	6.59	0.010278
1	1	24	2035	3	23	0.4941	97.739	6.6500	4.7481	197.8148	6.30	0.036527
1	1	24	2035	3	24	1.8297	15.703	1.3500	0.9639	8.5822	50.00	0.002374
1	1	24	2035	3	25	0.2833	7.715	6.8800	4.9123	27.2301	6.45	0.000303
1	1	24	2035	3	26	0.6561	64.124	6.6500	4.7481	97.7390	4.36	0.003655
1	1	24	2035	3	27	0.4869	13.257	6.6500	4.7481	27.2301	6.18	0.007008
1	1	24	2035	3	28	0.0366	1.611	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	25	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	25	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	25	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	25	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	25	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	25	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	25	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	25	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	25	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	25	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	25	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	25	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	25	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	25	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	25	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	25	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	25	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	25	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	25	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	25	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	25	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	25	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	25	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2035	1	1	0.1342	4.027	7.2800	5.3799	30.0117	24.10	0.281246
1	1	25	2035	1	2	0.1049	4.218	8.0600	5.7548	40.1957	18.50	0.101405
1	1	25	2035	1	3	0.1492	5.998	8.0600	5.7548	40.1957	18.50	0.337320
1	1	25	2035	1	4	0.2335	8.832	8.0600	5.7548	37.8166	14.20	0.103547
1	1	25	2035	1	5	0.2335	8.832	8.0600	5.7548	37.8166	14.20	0.047578
1	1	25	2035	1	6	0.1540	5.817	6.8800	4.9123	37.7707	10.13	0.027524
1	1	25	2035	1	7	0.1435	5.422	6.8800	4.9123	37.7707	9.39	0.000969
1	1	25	2035	1	8	0.1323	4.828	6.8800	4.9123	36.4932	9.35	0.000281
1	1	25	2035	1	9	0.1477	5.389	6.8800	4.9123	36.4931	8.01	0.000959
1	1	25	2035	1	10	0.1469	5.361	6.8800	4.9123	36.4932	8.14	0.001996

1	1	25	2035	1	11	0.1574	5.744	6.8800	4.9123	36.4932	7.45	0.000819
1	1	25	2035	1	12	0.1687	6.156	6.8800	4.9123	36.4932	7.07	0.000002
1	1	25	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2035	1	14	0.0255	0.766	7.2800	5.1979	30.0117	32.40	0.000028
1	1	25	2035	1	15	0.0492	2.374	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2035	1	16	0.1110	4.999	6.6500	4.7481	45.0549	12.96	0.008198
1	1	25	2035	1	17	0.1267	5.987	6.6500	4.7481	47.2522	11.66	0.002544
1	1	25	2035	1	18	0.1479	8.386	6.6500	4.7481	56.6821	10.20	0.002699
1	1	25	2035	1	19	0.1598	9.055	6.6500	4.7481	56.6821	9.88	0.001293
1	1	25	2035	1	20	0.1975	12.792	6.6500	4.7481	64.7605	8.71	0.006032
1	1	25	2035	1	21	0.2447	15.850	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2035	1	22	0.2802	36.483	6.6500	4.7481	130.2221	6.59	0.010278
1	1	25	2035	1	23	0.3077	60.868	6.6500	4.7481	197.8148	6.30	0.036527
1	1	25	2035	1	24	2.1106	18.113	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2035	1	25	0.2076	5.652	6.8800	4.9123	27.2301	6.45	0.000303
1	1	25	2035	1	26	0.2534	24.767	6.6500	4.7481	97.7390	4.36	0.003655
1	1	25	2035	1	27	0.3038	8.272	6.6500	4.7481	27.2301	6.18	0.007008
1	1	25	2035	1	28	0.0784	3.447	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2035	2	1	9.5634	287.014	7.2800	5.3799	30.0117	24.10	0.281246
1	1	25	2035	2	2	7.5411	303.121	8.0600	5.7548	40.1957	18.50	0.101405
1	1	25	2035	2	3	8.0777	324.690	8.0600	5.7548	40.1957	18.50	0.337320
1	1	25	2035	2	4	9.4345	356.781	8.0600	5.7548	37.8166	14.20	0.103547
1	1	25	2035	2	5	9.6679	365.609	8.0600	5.7548	37.8166	14.20	0.047578
1	1	25	2035	2	6	6.0020	226.700	6.8800	4.9123	37.7707	10.13	0.027524
1	1	25	2035	2	7	7.7525	292.818	6.8800	4.9123	37.7707	9.39	0.000969
1	1	25	2035	2	8	7.5342	274.946	6.8800	4.9123	36.4932	9.35	0.000281
1	1	25	2035	2	9	8.8000	321.138	6.8800	4.9123	36.4931	8.01	0.000959
1	1	25	2035	2	10	8.7098	317.847	6.8800	4.9123	36.4932	8.14	0.001996
1	1	25	2035	2	11	10.3522	377.786	6.8800	4.9123	36.4932	7.45	0.000819
1	1	25	2035	2	12	11.0249	402.335	6.8800	4.9123	36.4932	7.07	0.000002
1	1	25	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2035	2	14	0.5505	16.521	7.2800	5.1979	30.0117	32.40	0.000028
1	1	25	2035	2	15	0.2435	11.757	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2035	2	16	0.0920	4.147	6.6500	4.7481	45.0549	12.96	0.008198
1	1	25	2035	2	17	0.1054	4.980	6.6500	4.7481	47.2522	11.66	0.002544
1	1	25	2035	2	18	0.1229	6.969	6.6500	4.7481	56.6821	10.20	0.002699
1	1	25	2035	2	19	0.1328	7.526	6.6500	4.7481	56.6821	9.88	0.001293
1	1	25	2035	2	20	0.1363	8.827	6.6500	4.7481	64.7605	8.71	0.006032
1	1	25	2035	2	21	0.1693	10.965	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2035	2	22	0.2332	30.374	6.6500	4.7481	130.2221	6.59	0.010278
1	1	25	2035	2	23	0.2557	50.587	6.6500	4.7481	197.8148	6.30	0.036527
1	1	25	2035	2	24	12.0797	103.670	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2035	2	25	12.5839	342.662	6.8800	4.9123	27.2301	6.45	0.000303
1	1	25	2035	2	26	0.3112	30.420	6.6500	4.7481	97.7390	4.36	0.003655
1	1	25	2035	2	27	0.2101	5.720	6.6500	4.7481	27.2301	6.18	0.007008
1	1	25	2035	2	28	0.3177	13.969	8.0600	5.7548	43.9743	17.00	0.002242
1	1	25	2035	3	1	0.1186	3.559	7.2800	5.3799	30.0117	24.10	0.281246

1	1	25	2035	3	2	0.1140	4.582	8.0600	5.7548	40.1957	18.50	0.101405
1	1	25	2035	3	3	0.1585	6.369	8.0600	5.7548	40.1957	18.50	0.337320
1	1	25	2035	3	4	0.2585	9.776	8.0600	5.7548	37.8166	14.20	0.103547
1	1	25	2035	3	5	0.2786	10.537	8.0600	5.7548	37.8166	14.20	0.047578
1	1	25	2035	3	6	0.1575	5.949	6.8800	4.9123	37.7707	10.13	0.027524
1	1	25	2035	3	7	0.2052	7.752	6.8800	4.9123	37.7707	9.39	0.000969
1	1	25	2035	3	8	0.1834	6.695	6.8800	4.9123	36.4932	9.35	0.000281
1	1	25	2035	3	9	0.2107	7.690	6.8800	4.9123	36.4931	8.01	0.000959
1	1	25	2035	3	10	0.2085	7.607	6.8800	4.9123	36.4932	8.14	0.001996
1	1	25	2035	3	11	0.2371	8.653	6.8800	4.9123	36.4932	7.45	0.000819
1	1	25	2035	3	12	0.2507	9.150	6.8800	4.9123	36.4932	7.07	0.000002
1	1	25	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	25	2035	3	14	0.0196	0.589	7.2800	5.1979	30.0117	32.40	0.000028
1	1	25	2035	3	15	0.0314	1.516	8.0600	5.7548	48.2848	22.10	0.004518
1	1	25	2035	3	16	0.1758	7.921	6.6500	4.7481	45.0549	12.96	0.008198
1	1	25	2035	3	17	0.2018	9.536	6.6500	4.7481	47.2522	11.66	0.002544
1	1	25	2035	3	18	0.2350	13.320	6.6500	4.7481	56.6821	10.20	0.002699
1	1	25	2035	3	19	0.2538	14.388	6.6500	4.7481	56.6821	9.88	0.001293
1	1	25	2035	3	20	0.3139	20.330	6.6500	4.7481	64.7605	8.71	0.006032
1	1	25	2035	3	21	0.3893	25.209	6.6500	4.7481	64.7605	7.53	0.008655
1	1	25	2035	3	22	0.4458	58.049	6.6500	4.7481	130.2221	6.59	0.010278
1	1	25	2035	3	23	0.4897	96.874	6.6500	4.7481	197.8148	6.30	0.036527
1	1	25	2035	3	24	1.8485	15.864	1.3500	0.9639	8.5822	50.00	0.002374
1	1	25	2035	3	25	0.2857	7.778	6.8800	4.9123	27.2301	6.45	0.000303
1	1	25	2035	3	26	0.6503	63.557	6.6500	4.7481	97.7390	4.36	0.003655
1	1	25	2035	3	27	0.4825	13.140	6.6500	4.7481	27.2301	6.18	0.007008
1	1	25	2035	3	28	0.0363	1.597	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	26	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032

1	1	26	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2035	1	1	0.1324	3.972	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2035	1	2	0.1036	4.165	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2035	1	3	0.1476	5.932	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2035	1	4	0.2309	8.733	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2035	1	5	0.2310	8.734	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2035	1	6	0.1481	5.593	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2035	1	7	0.1381	5.217	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2035	1	8	0.1274	4.649	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2035	1	9	0.1420	5.182	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2035	1	10	0.1413	5.155	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2035	1	11	0.1512	5.519	6.8800	4.9123	36.4932	7.45	0.000819
1	1	26	2035	1	12	0.1620	5.911	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2035	1	14	0.0250	0.750	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2035	1	15	0.0480	2.320	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2035	1	16	0.1077	4.854	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2035	1	17	0.1230	5.813	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2035	1	18	0.1437	8.143	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2035	1	19	0.1551	8.792	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2035	1	20	0.1918	12.421	6.6500	4.7481	64.7605	8.71	0.006032
1	1	26	2035	1	21	0.2376	15.390	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2035	1	22	0.2720	35.424	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2035	1	23	0.2988	59.101	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2035	1	24	2.0775	17.830	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2035	1	25	0.1995	5.432	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2035	1	26	0.2460	24.048	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2035	1	27	0.2949	8.031	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2035	1	28	0.0767	3.371	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2035	2	1	9.5529	286.698	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2035	2	2	7.5314	302.730	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2035	2	3	8.0683	324.310	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2035	2	4	9.4207	356.259	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2035	2	5	9.6540	365.082	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2035	2	6	5.7891	218.656	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2035	2	7	7.4774	282.427	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2035	2	8	7.2668	265.190	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2035	2	9	8.4877	309.743	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2035	2	10	8.4007	306.569	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2035	2	11	9.9849	364.381	6.8800	4.9123	36.4932	7.45	0.000819

1	1	26	2035	2	12	10.6337	388.059	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2035	2	14	0.5382	16.152	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2035	2	15	0.2374	11.460	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2035	2	16	0.0887	3.998	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2035	2	17	0.1016	4.801	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2035	2	18	0.1185	6.719	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2035	2	19	0.1280	7.256	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2035	2	20	0.1314	8.510	6.6500	4.7481	64.7605	8.71	0.006032
1	1	26	2035	2	21	0.1632	10.571	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2035	2	22	0.2249	29.283	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2035	2	23	0.2465	48.770	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2035	2	24	11.7794	101.093	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2035	2	25	12.1374	330.503	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2035	2	26	0.3001	29.327	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2035	2	27	0.2025	5.515	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2035	2	28	0.3099	13.628	8.0600	5.7548	43.9743	17.00	0.002242
1	1	26	2035	3	1	0.1177	3.533	7.2800	5.3799	30.0117	24.10	0.281246
1	1	26	2035	3	2	0.1131	4.547	8.0600	5.7548	40.1957	18.50	0.101405
1	1	26	2035	3	3	0.1573	6.322	8.0600	5.7548	40.1957	18.50	0.337320
1	1	26	2035	3	4	0.2567	9.708	8.0600	5.7548	37.8166	14.20	0.103547
1	1	26	2035	3	5	0.2768	10.468	8.0600	5.7548	37.8166	14.20	0.047578
1	1	26	2035	3	6	0.1587	5.994	6.8800	4.9123	37.7707	10.13	0.027524
1	1	26	2035	3	7	0.2068	7.810	6.8800	4.9123	37.7707	9.39	0.000969
1	1	26	2035	3	8	0.1848	6.745	6.8800	4.9123	36.4932	9.35	0.000281
1	1	26	2035	3	9	0.2123	7.748	6.8800	4.9123	36.4931	8.01	0.000959
1	1	26	2035	3	10	0.2100	7.665	6.8800	4.9123	36.4932	8.14	0.001996
1	1	26	2035	3	11	0.2389	8.718	6.8800	4.9123	36.4932	7.45	0.000819
1	1	26	2035	3	12	0.2526	9.220	6.8800	4.9123	36.4932	7.07	0.000002
1	1	26	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	26	2035	3	14	0.0195	0.584	7.2800	5.1979	30.0117	32.40	0.000028
1	1	26	2035	3	15	0.0311	1.504	8.0600	5.7548	48.2848	22.10	0.004518
1	1	26	2035	3	16	0.1743	7.855	6.6500	4.7481	45.0549	12.96	0.008198
1	1	26	2035	3	17	0.2001	9.457	6.6500	4.7481	47.2522	11.66	0.002544
1	1	26	2035	3	18	0.2330	13.209	6.6500	4.7481	56.6821	10.20	0.002699
1	1	26	2035	3	19	0.2517	14.268	6.6500	4.7481	56.6821	9.88	0.001293
1	1	26	2035	3	20	0.3113	20.161	6.6500	4.7481	64.7605	8.71	0.006032
1	1	26	2035	3	21	0.3860	24.999	6.6500	4.7481	64.7605	7.53	0.008655
1	1	26	2035	3	22	0.4421	57.566	6.6500	4.7481	130.2221	6.59	0.010278
1	1	26	2035	3	23	0.4856	96.068	6.6500	4.7481	197.8148	6.30	0.036527
1	1	26	2035	3	24	1.8660	16.014	1.3500	0.9639	8.5822	50.00	0.002374
1	1	26	2035	3	25	0.2878	7.837	6.8800	4.9123	27.2301	6.45	0.000303
1	1	26	2035	3	26	0.6449	63.028	6.6500	4.7481	97.7390	4.36	0.003655
1	1	26	2035	3	27	0.4785	13.030	6.6500	4.7481	27.2301	6.18	0.007008
1	1	26	2035	3	28	0.0360	1.585	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405

1	1	27	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	27	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2035	1	1	0.1306	3.921	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2035	1	2	0.1024	4.116	8.0600	5.7548	40.1957	18.50	0.101405
1	1	27	2035	1	3	0.1460	5.870	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2035	1	4	0.2285	8.642	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2035	1	5	0.2285	8.643	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2035	1	6	0.1426	5.384	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2035	1	7	0.1331	5.027	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2035	1	8	0.1228	4.481	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2035	1	9	0.1367	4.988	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2035	1	10	0.1360	4.963	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2035	1	11	0.1455	5.309	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2035	1	12	0.1557	5.683	6.8800	4.9123	36.4932	7.07	0.000002
1	1	27	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2035	1	14	0.0245	0.735	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2035	1	15	0.0470	2.270	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2035	1	16	0.1047	4.719	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2035	1	17	0.1196	5.651	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2035	1	18	0.1396	7.915	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2035	1	19	0.1508	8.547	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2035	1	20	0.1864	12.074	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2035	1	21	0.2310	14.960	6.6500	4.7481	64.7605	7.53	0.008655

1	1	27	2035	1	22	0.2644	34.435	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2035	1	23	0.2904	57.452	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2035	1	24	2.0466	17.565	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2035	1	25	0.1919	5.226	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2035	1	26	0.2392	23.377	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2035	1	27	0.2867	7.807	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2035	1	28	0.0750	3.300	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2035	2	1	9.5431	286.403	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2035	2	2	7.5223	302.365	8.0600	5.7548	40.1957	18.50	0.101405
1	1	27	2035	2	3	8.0595	323.957	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2035	2	4	9.4078	355.772	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2035	2	5	9.6410	364.591	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2035	2	6	5.5903	211.149	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2035	2	7	7.2207	272.730	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2035	2	8	7.0173	256.084	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2035	2	9	8.1963	299.108	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2035	2	10	8.1123	296.042	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2035	2	11	9.6421	351.869	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2035	2	12	10.2686	374.735	6.8800	4.9123	36.4932	7.07	0.000002
1	1	27	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2035	2	14	0.5267	15.808	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2035	2	15	0.2316	11.184	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2035	2	16	0.0856	3.859	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2035	2	17	0.0981	4.634	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2035	2	18	0.1144	6.485	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2035	2	19	0.1236	7.004	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2035	2	20	0.1268	8.214	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2035	2	21	0.1576	10.204	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2035	2	22	0.2171	28.265	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2035	2	23	0.2380	47.074	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2035	2	24	11.4991	98.688	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2035	2	25	11.7206	319.155	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2035	2	26	0.2896	28.307	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2035	2	27	0.1955	5.323	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2035	2	28	0.3027	13.311	8.0600	5.7548	43.9743	17.00	0.002242
1	1	27	2035	3	1	0.1169	3.508	7.2800	5.3799	30.0117	24.10	0.281246
1	1	27	2035	3	2	0.1123	4.514	8.0600	5.7548	40.1957	18.50	0.101405
1	1	27	2035	3	3	0.1562	6.277	8.0600	5.7548	40.1957	18.50	0.337320
1	1	27	2035	3	4	0.2550	9.643	8.0600	5.7548	37.8166	14.20	0.103547
1	1	27	2035	3	5	0.2751	10.403	8.0600	5.7548	37.8166	14.20	0.047578
1	1	27	2035	3	6	0.1598	6.036	6.8800	4.9123	37.7707	10.13	0.027524
1	1	27	2035	3	7	0.2082	7.865	6.8800	4.9123	37.7707	9.39	0.000969
1	1	27	2035	3	8	0.1861	6.793	6.8800	4.9123	36.4932	9.35	0.000281
1	1	27	2035	3	9	0.2138	7.803	6.8800	4.9123	36.4931	8.01	0.000959
1	1	27	2035	3	10	0.2115	7.719	6.8800	4.9123	36.4932	8.14	0.001996
1	1	27	2035	3	11	0.2406	8.779	6.8800	4.9123	36.4932	7.45	0.000819
1	1	27	2035	3	12	0.2544	9.284	6.8800	4.9123	36.4932	7.07	0.000002

1	1	27	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	27	2035	3	14	0.0193	0.579	7.2800	5.1979	30.0117	32.40	0.000028
1	1	27	2035	3	15	0.0309	1.492	8.0600	5.7548	48.2848	22.10	0.004518
1	1	27	2035	3	16	0.1730	7.793	6.6500	4.7481	45.0549	12.96	0.008198
1	1	27	2035	3	17	0.1986	9.382	6.6500	4.7481	47.2522	11.66	0.002544
1	1	27	2035	3	18	0.2312	13.106	6.6500	4.7481	56.6821	10.20	0.002699
1	1	27	2035	3	19	0.2497	14.156	6.6500	4.7481	56.6821	9.88	0.001293
1	1	27	2035	3	20	0.3089	20.003	6.6500	4.7481	64.7605	8.71	0.006032
1	1	27	2035	3	21	0.3830	24.803	6.6500	4.7481	64.7605	7.53	0.008655
1	1	27	2035	3	22	0.4386	57.116	6.6500	4.7481	130.2221	6.59	0.010278
1	1	27	2035	3	23	0.4818	95.316	6.6500	4.7481	197.8148	6.30	0.036527
1	1	27	2035	3	24	1.8823	16.154	1.3500	0.9639	8.5822	50.00	0.002374
1	1	27	2035	3	25	0.2898	7.892	6.8800	4.9123	27.2301	6.45	0.000303
1	1	27	2035	3	26	0.6398	62.534	6.6500	4.7481	97.7390	4.36	0.003655
1	1	27	2035	3	27	0.4748	12.928	6.6500	4.7481	27.2301	6.18	0.007008
1	1	27	2035	3	28	0.0358	1.573	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	28	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	28	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2035	1	1	0.1291	3.875	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2035	1	2	0.1013	4.072	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2035	1	3	0.1449	5.824	8.0600	5.7548	40.1957	18.50	0.337320

1	1	28	2035	1	4	0.2265	8.564	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2035	1	5	0.2264	8.561	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2035	1	6	0.1377	5.200	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2035	1	7	0.1286	4.858	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2035	1	8	0.1187	4.332	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2035	1	9	0.1320	4.818	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2035	1	10	0.1314	4.794	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2035	1	11	0.1404	5.125	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2035	1	12	0.1502	5.482	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2035	1	14	0.0240	0.720	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2035	1	15	0.0460	2.221	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2035	1	16	0.1018	4.587	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2035	1	17	0.1163	5.493	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2035	1	18	0.1357	7.694	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2035	1	19	0.1466	8.308	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2035	1	20	0.1812	11.737	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2035	1	21	0.2246	14.542	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2035	1	22	0.2571	33.474	6.6500	4.7481	130.2221	6.59	0.010278
1	1	28	2035	1	23	0.2823	55.847	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2035	1	24	2.0153	17.296	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2035	1	25	0.1853	5.045	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2035	1	26	0.2325	22.724	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2035	1	27	0.2787	7.589	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2035	1	28	0.0735	3.231	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2035	2	1	9.5517	286.664	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2035	2	2	7.5310	302.715	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2035	2	3	8.0700	324.379	8.0600	5.7548	40.1957	18.50	0.337320
1	1	28	2035	2	4	9.4210	356.271	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2035	2	5	9.6545	365.102	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2035	2	6	5.4336	205.232	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2035	2	7	7.0183	265.088	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2035	2	8	6.8207	248.908	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2035	2	9	7.9666	290.726	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2035	2	10	7.8849	287.747	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2035	2	11	9.3719	342.009	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2035	2	12	9.9809	364.234	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2035	2	14	0.5171	15.518	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2035	2	15	0.2268	10.951	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2035	2	16	0.0830	3.742	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2035	2	17	0.0951	4.493	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2035	2	18	0.1109	6.288	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2035	2	19	0.1198	6.791	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2035	2	20	0.1230	7.965	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2035	2	21	0.1528	9.894	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2035	2	22	0.2105	27.408	6.6500	4.7481	130.2221	6.59	0.010278

1	1	28	2035	2	23	0.2308	45.647	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2035	2	24	11.2270	96.353	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2035	2	25	11.3922	310.211	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2035	2	26	0.2808	27.449	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2035	2	27	0.1895	5.161	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2035	2	28	0.2966	13.043	8.0600	5.7548	43.9743	17.00	0.002242
1	1	28	2035	3	1	0.1164	3.493	7.2800	5.3799	30.0117	24.10	0.281246
1	1	28	2035	3	2	0.1118	4.493	8.0600	5.7548	40.1957	18.50	0.101405
1	1	28	2035	3	3	0.1555	6.251	8.0600	5.7548	40.1957	18.50	0.337320
1	1	28	2035	3	4	0.2541	9.609	8.0600	5.7548	37.8166	14.20	0.103547
1	1	28	2035	3	5	0.2743	10.372	8.0600	5.7548	37.8166	14.20	0.047578
1	1	28	2035	3	6	0.1613	6.091	6.8800	4.9123	37.7707	10.13	0.027524
1	1	28	2035	3	7	0.2101	7.937	6.8800	4.9123	37.7707	9.39	0.000969
1	1	28	2035	3	8	0.1878	6.855	6.8800	4.9123	36.4932	9.35	0.000281
1	1	28	2035	3	9	0.2158	7.874	6.8800	4.9123	36.4931	8.01	0.000959
1	1	28	2035	3	10	0.2134	7.789	6.8800	4.9123	36.4932	8.14	0.001996
1	1	28	2035	3	11	0.2428	8.860	6.8800	4.9123	36.4932	7.45	0.000819
1	1	28	2035	3	12	0.2567	9.369	6.8800	4.9123	36.4932	7.07	0.000002
1	1	28	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	28	2035	3	14	0.0193	0.578	7.2800	5.1979	30.0117	32.40	0.000028
1	1	28	2035	3	15	0.0308	1.489	8.0600	5.7548	48.2848	22.10	0.004518
1	1	28	2035	3	16	0.1726	7.777	6.6500	4.7481	45.0549	12.96	0.008198
1	1	28	2035	3	17	0.1981	9.363	6.6500	4.7481	47.2522	11.66	0.002544
1	1	28	2035	3	18	0.2307	13.078	6.6500	4.7481	56.6821	10.20	0.002699
1	1	28	2035	3	19	0.2492	14.127	6.6500	4.7481	56.6821	9.88	0.001293
1	1	28	2035	3	20	0.3082	19.961	6.6500	4.7481	64.7605	8.71	0.006032
1	1	28	2035	3	21	0.3822	24.752	6.6500	4.7481	64.7605	7.53	0.008655
1	1	28	2035	3	22	0.4377	56.997	6.6500	4.7481	130.2221	6.59	0.010278
1	1	28	2035	3	23	0.4808	95.118	6.6500	4.7481	197.8148	6.30	0.036527
1	1	28	2035	3	24	1.8986	16.294	1.3500	0.9639	8.5822	50.00	0.002374
1	1	28	2035	3	25	0.2925	7.965	6.8800	4.9123	27.2301	6.45	0.000303
1	1	28	2035	3	26	0.6385	62.404	6.6500	4.7481	97.7390	4.36	0.003655
1	1	28	2035	3	27	0.4738	12.902	6.6500	4.7481	27.2301	6.18	0.007008
1	1	28	2035	3	28	0.0357	1.569	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	29	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	29	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	29	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	29	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	29	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	29	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	29	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	29	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	29	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	29	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	29	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	29	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000

1	1	29	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	29	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	29	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	29	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	29	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	29	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	29	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	29	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	29	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	29	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	29	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	29	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	29	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	29	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	29	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	29	2035	1	1	0.1277	3.832	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	29	2035	1	2	0.1003	4.032	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	29	2035	1	3	0.1438	5.781	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	29	2035	1	4	0.2245	8.491	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	29	2035	1	5	0.2244	8.485	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	29	2035	1	6	0.1331	5.027	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	29	2035	1	7	0.1244	4.700	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	29	2035	1	8	0.1149	4.193	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	29	2035	1	9	0.1276	4.658	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	29	2035	1	10	0.1270	4.635	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	29	2035	1	11	0.1357	4.952	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	29	2035	1	12	0.1451	5.294	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	29	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	29	2035	1	14	0.0236	0.707	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	29	2035	1	15	0.0451	2.175	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	29	2035	1	16	0.0991	4.463	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	29	2035	1	17	0.1131	5.345	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	29	2035	1	18	0.1321	7.487	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	29	2035	1	19	0.1426	8.085	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	29	2035	1	20	0.1764	11.421	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	29	2035	1	21	0.2185	14.151	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	29	2035	1	22	0.2501	32.572	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	29	2035	1	23	0.2747	54.344	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	29	2035	1	24	1.9859	17.043	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	29	2035	1	25	0.1790	4.874	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	29	2035	1	26	0.2262	22.112	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	29	2035	1	27	0.2712	7.385	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	29	2035	1	28	0.0720	3.167	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	29	2035	2	1	9.5599	286.908	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	29	2035	2	2	7.5392	303.043	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	29	2035	2	3	8.0798	324.774	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	29	2035	2	4	9.4334	356.739	8.0600	5.7548	37.8166	14.20
0.103547											

1	1	29	2035	2	5	9.6672	365.581	8.0600	5.7548	37.8166	14.20	0.047578
1	1	29	2035	2	6	5.2868	199.685	6.8800	4.9123	37.7707	10.13	0.027524
1	1	29	2035	2	7	6.8287	257.923	6.8800	4.9123	37.7707	9.39	0.000969
1	1	29	2035	2	8	6.6363	242.181	6.8800	4.9123	36.4932	9.35	0.000281
1	1	29	2035	2	9	7.7513	282.868	6.8800	4.9123	36.4931	8.01	0.000959
1	1	29	2035	2	10	7.6718	279.969	6.8800	4.9123	36.4932	8.14	0.001996
1	1	29	2035	2	11	9.1186	332.765	6.8800	4.9123	36.4932	7.45	0.000819
1	1	29	2035	2	12	9.7111	354.389	6.8800	4.9123	36.4932	7.07	0.000002
1	1	29	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2035	2	14	0.5080	15.246	7.2800	5.1979	30.0117	32.40	0.000028
1	1	29	2035	2	15	0.2223	10.733	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2035	2	16	0.0806	3.632	6.6500	4.7481	45.0549	12.96	0.008198
1	1	29	2035	2	17	0.0923	4.361	6.6500	4.7481	47.2522	11.66	0.002544
1	1	29	2035	2	18	0.1077	6.104	6.6500	4.7481	56.6821	10.20	0.002699
1	1	29	2035	2	19	0.1163	6.592	6.6500	4.7481	56.6821	9.88	0.001293
1	1	29	2035	2	20	0.1194	7.731	6.6500	4.7481	64.7605	8.71	0.006032
1	1	29	2035	2	21	0.1483	9.604	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2035	2	22	0.2043	26.604	6.6500	4.7481	130.2221	6.59	0.010278
1	1	29	2035	2	23	0.2240	44.308	6.6500	4.7481	197.8148	6.30	0.036527
1	1	29	2035	2	24	10.9720	94.164	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2035	2	25	11.0843	301.827	6.8800	4.9123	27.2301	6.45	0.000303
1	1	29	2035	2	26	0.2726	26.644	6.6500	4.7481	97.7390	4.36	0.003655
1	1	29	2035	2	27	0.1840	5.010	6.6500	4.7481	27.2301	6.18	0.007008
1	1	29	2035	2	28	0.2909	12.793	8.0600	5.7548	43.9743	17.00	0.002242
1	1	29	2035	3	1	0.1159	3.478	7.2800	5.3799	30.0117	24.10	0.281246
1	1	29	2035	3	2	0.1113	4.474	8.0600	5.7548	40.1957	18.50	0.101405
1	1	29	2035	3	3	0.1549	6.226	8.0600	5.7548	40.1957	18.50	0.337320
1	1	29	2035	3	4	0.2533	9.577	8.0600	5.7548	37.8166	14.20	0.103547
1	1	29	2035	3	5	0.2735	10.342	8.0600	5.7548	37.8166	14.20	0.047578
1	1	29	2035	3	6	0.1626	6.143	6.8800	4.9123	37.7707	10.13	0.027524
1	1	29	2035	3	7	0.2119	8.004	6.8800	4.9123	37.7707	9.39	0.000969
1	1	29	2035	3	8	0.1894	6.913	6.8800	4.9123	36.4932	9.35	0.000281
1	1	29	2035	3	9	0.2176	7.941	6.8800	4.9123	36.4931	8.01	0.000959
1	1	29	2035	3	10	0.2152	7.855	6.8800	4.9123	36.4932	8.14	0.001996
1	1	29	2035	3	11	0.2448	8.935	6.8800	4.9123	36.4932	7.45	0.000819
1	1	29	2035	3	12	0.2589	9.449	6.8800	4.9123	36.4932	7.07	0.000002
1	1	29	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	29	2035	3	14	0.0192	0.577	7.2800	5.1979	30.0117	32.40	0.000028
1	1	29	2035	3	15	0.0308	1.486	8.0600	5.7548	48.2848	22.10	0.004518
1	1	29	2035	3	16	0.1723	7.762	6.6500	4.7481	45.0549	12.96	0.008198
1	1	29	2035	3	17	0.1978	9.345	6.6500	4.7481	47.2522	11.66	0.002544
1	1	29	2035	3	18	0.2303	13.053	6.6500	4.7481	56.6821	10.20	0.002699
1	1	29	2035	3	19	0.2487	14.099	6.6500	4.7481	56.6821	9.88	0.001293
1	1	29	2035	3	20	0.3076	19.922	6.6500	4.7481	64.7605	8.71	0.006032
1	1	29	2035	3	21	0.3815	24.704	6.6500	4.7481	64.7605	7.53	0.008655
1	1	29	2035	3	22	0.4368	56.885	6.6500	4.7481	130.2221	6.59	0.010278
1	1	29	2035	3	23	0.4799	94.932	6.6500	4.7481	197.8148	6.30	0.036527

1	1	29	2035	3	24	1.9139	16.426	1.3500	0.9639	8.5822	50.00	0.002374
1	1	29	2035	3	25	0.2950	8.032	6.8800	4.9123	27.2301	6.45	0.000303
1	1	29	2035	3	26	0.6372	62.283	6.6500	4.7481	97.7390	4.36	0.003655
1	1	29	2035	3	27	0.4729	12.876	6.6500	4.7481	27.2301	6.18	0.007008
1	1	29	2035	3	28	0.0356	1.566	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	30	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	30	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	30	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	30	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	30	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	30	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	30	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	30	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	30	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	30	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	30	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	30	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	30	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	30	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	30	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	30	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	30	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	30	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	30	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	30	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	30	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	30	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	30	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2035	1	1	0.1263	3.791	7.2800	5.3799	30.0117	24.10	0.281246
1	1	30	2035	1	2	0.0993	3.993	8.0600	5.7548	40.1957	18.50	0.101405
1	1	30	2035	1	3	0.1428	5.740	8.0600	5.7548	40.1957	18.50	0.337320
1	1	30	2035	1	4	0.2227	8.423	8.0600	5.7548	37.8166	14.20	0.103547
1	1	30	2035	1	5	0.2225	8.413	8.0600	5.7548	37.8166	14.20	0.047578
1	1	30	2035	1	6	0.1288	4.865	6.8800	4.9123	37.7707	10.13	0.027524
1	1	30	2035	1	7	0.1205	4.551	6.8800	4.9123	37.7707	9.39	0.000969
1	1	30	2035	1	8	0.1113	4.063	6.8800	4.9123	36.4932	9.35	0.000281
1	1	30	2035	1	9	0.1235	4.508	6.8800	4.9123	36.4931	8.01	0.000959
1	1	30	2035	1	10	0.1229	4.486	6.8800	4.9123	36.4932	8.14	0.001996
1	1	30	2035	1	11	0.1312	4.789	6.8800	4.9123	36.4932	7.45	0.000819
1	1	30	2035	1	12	0.1402	5.117	6.8800	4.9123	36.4932	7.07	0.000002
1	1	30	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2035	1	14	0.0231	0.694	7.2800	5.1979	30.0117	32.40	0.000028

1	1	30	2035	1	15	0.0442	2.132	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2035	1	16	0.0965	4.347	6.6500	4.7481	45.0549	12.96	0.008198
1	1	30	2035	1	17	0.1102	5.206	6.6500	4.7481	47.2522	11.66	0.002544
1	1	30	2035	1	18	0.1287	7.292	6.6500	4.7481	56.6821	10.20	0.002699
1	1	30	2035	1	19	0.1389	7.874	6.6500	4.7481	56.6821	9.88	0.001293
1	1	30	2035	1	20	0.1718	11.124	6.6500	4.7481	64.7605	8.71	0.006032
1	1	30	2035	1	21	0.2128	13.783	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2035	1	22	0.2436	31.725	6.6500	4.7481	130.2221	6.59	0.010278
1	1	30	2035	1	23	0.2676	52.931	6.6500	4.7481	197.8148	6.30	0.036527
1	1	30	2035	1	24	1.9583	16.806	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2035	1	25	0.1731	4.714	6.8800	4.9123	27.2301	6.45	0.000303
1	1	30	2035	1	26	0.2204	21.538	6.6500	4.7481	97.7390	4.36	0.003655
1	1	30	2035	1	27	0.2642	7.193	6.6500	4.7481	27.2301	6.18	0.007008
1	1	30	2035	1	28	0.0706	3.106	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2035	2	1	9.5675	287.137	7.2800	5.3799	30.0117	24.10	0.281246
1	1	30	2035	2	2	7.5469	303.351	8.0600	5.7548	40.1957	18.50	0.101405
1	1	30	2035	2	3	8.0891	325.146	8.0600	5.7548	40.1957	18.50	0.337320
1	1	30	2035	2	4	9.4450	357.179	8.0600	5.7548	37.8166	14.20	0.103547
1	1	30	2035	2	5	9.6791	366.031	8.0600	5.7548	37.8166	14.20	0.047578
1	1	30	2035	2	6	5.1488	194.474	6.8800	4.9123	37.7707	10.13	0.027524
1	1	30	2035	2	7	6.6505	251.192	6.8800	4.9123	37.7707	9.39	0.000969
1	1	30	2035	2	8	6.4632	235.861	6.8800	4.9123	36.4932	9.35	0.000281
1	1	30	2035	2	9	7.5490	275.487	6.8800	4.9123	36.4931	8.01	0.000959
1	1	30	2035	2	10	7.4716	272.663	6.8800	4.9123	36.4932	8.14	0.001996
1	1	30	2035	2	11	8.8806	324.082	6.8800	4.9123	36.4932	7.45	0.000819
1	1	30	2035	2	12	9.4577	345.141	6.8800	4.9123	36.4932	7.07	0.000002
1	1	30	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2035	2	14	0.4995	14.991	7.2800	5.1979	30.0117	32.40	0.000028
1	1	30	2035	2	15	0.2180	10.528	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2035	2	16	0.0783	3.529	6.6500	4.7481	45.0549	12.96	0.008198
1	1	30	2035	2	17	0.0897	4.238	6.6500	4.7481	47.2522	11.66	0.002544
1	1	30	2035	2	18	0.1046	5.931	6.6500	4.7481	56.6821	10.20	0.002699
1	1	30	2035	2	19	0.1130	6.405	6.6500	4.7481	56.6821	9.88	0.001293
1	1	30	2035	2	20	0.1160	7.512	6.6500	4.7481	64.7605	8.71	0.006032
1	1	30	2035	2	21	0.1441	9.331	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2035	2	22	0.1985	25.849	6.6500	4.7481	130.2221	6.59	0.010278
1	1	30	2035	2	23	0.2176	43.050	6.6500	4.7481	197.8148	6.30	0.036527
1	1	30	2035	2	24	10.7324	92.108	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2035	2	25	10.7951	293.951	6.8800	4.9123	27.2301	6.45	0.000303
1	1	30	2035	2	26	0.2649	25.887	6.6500	4.7481	97.7390	4.36	0.003655
1	1	30	2035	2	27	0.1788	4.868	6.6500	4.7481	27.2301	6.18	0.007008
1	1	30	2035	2	28	0.2856	12.557	8.0600	5.7548	43.9743	17.00	0.002242
1	1	30	2035	3	1	0.1154	3.465	7.2800	5.3799	30.0117	24.10	0.281246
1	1	30	2035	3	2	0.1109	4.456	8.0600	5.7548	40.1957	18.50	0.101405
1	1	30	2035	3	3	0.1543	6.203	8.0600	5.7548	40.1957	18.50	0.337320
1	1	30	2035	3	4	0.2525	9.547	8.0600	5.7548	37.8166	14.20	0.103547
1	1	30	2035	3	5	0.2728	10.315	8.0600	5.7548	37.8166	14.20	0.047578

1	1	30	2035	3	6	0.1639	6.191	6.8800	4.9123	37.7707	10.13	0.027524
1	1	30	2035	3	7	0.2136	8.068	6.8800	4.9123	37.7707	9.39	0.000969
1	1	30	2035	3	8	0.1909	6.968	6.8800	4.9123	36.4932	9.35	0.000281
1	1	30	2035	3	9	0.2193	8.003	6.8800	4.9123	36.4931	8.01	0.000959
1	1	30	2035	3	10	0.2169	7.917	6.8800	4.9123	36.4932	8.14	0.001996
1	1	30	2035	3	11	0.2468	9.005	6.8800	4.9123	36.4932	7.45	0.000819
1	1	30	2035	3	12	0.2610	9.523	6.8800	4.9123	36.4932	7.07	0.000002
1	1	30	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	30	2035	3	14	0.0192	0.576	7.2800	5.1979	30.0117	32.40	0.000028
1	1	30	2035	3	15	0.0307	1.484	8.0600	5.7548	48.2848	22.10	0.004518
1	1	30	2035	3	16	0.1720	7.747	6.6500	4.7481	45.0549	12.96	0.008198
1	1	30	2035	3	17	0.1974	9.328	6.6500	4.7481	47.2522	11.66	0.002544
1	1	30	2035	3	18	0.2299	13.029	6.6500	4.7481	56.6821	10.20	0.002699
1	1	30	2035	3	19	0.2483	14.073	6.6500	4.7481	56.6821	9.88	0.001293
1	1	30	2035	3	20	0.3071	19.886	6.6500	4.7481	64.7605	8.71	0.006032
1	1	30	2035	3	21	0.3808	24.658	6.6500	4.7481	64.7605	7.53	0.008655
1	1	30	2035	3	22	0.4360	56.781	6.6500	4.7481	130.2221	6.59	0.010278
1	1	30	2035	3	23	0.4790	94.757	6.6500	4.7481	197.8148	6.30	0.036527
1	1	30	2035	3	24	1.9283	16.549	1.3500	0.9639	8.5822	50.00	0.002374
1	1	30	2035	3	25	0.2973	8.096	6.8800	4.9123	27.2301	6.45	0.000303
1	1	30	2035	3	26	0.6361	62.168	6.6500	4.7481	97.7390	4.36	0.003655
1	1	30	2035	3	27	0.4720	12.853	6.6500	4.7481	27.2301	6.18	0.007008
1	1	30	2035	3	28	0.0356	1.564	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374

1	1	31	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2035	1	1	0.1250	3.753	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2035	1	2	0.0984	3.957	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2035	1	3	0.1419	5.702	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2035	1	4	0.2210	8.359	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2035	1	5	0.2207	8.345	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2035	1	6	0.1248	4.712	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2035	1	7	0.1168	4.411	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2035	1	8	0.1080	3.940	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2035	1	9	0.1197	4.367	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2035	1	10	0.1191	4.345	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2035	1	11	0.1271	4.636	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2035	1	12	0.1356	4.950	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2035	1	14	0.0227	0.682	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2035	1	15	0.0433	2.092	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2035	1	16	0.0941	4.238	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2035	1	17	0.1074	5.075	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2035	1	18	0.1254	7.109	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2035	1	19	0.1354	7.677	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2035	1	20	0.1675	10.844	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2035	1	21	0.2075	13.437	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2035	1	22	0.2375	30.928	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2035	1	23	0.2609	51.601	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2035	1	24	1.9323	16.583	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2035	1	25	0.1676	4.563	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2035	1	26	0.2148	20.996	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2035	1	27	0.2575	7.012	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2035	1	28	0.0693	3.049	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2035	2	1	9.5747	287.353	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2035	2	2	7.5541	303.641	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2035	2	3	8.0978	325.496	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2035	2	4	9.4560	357.593	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2035	2	5	9.6903	366.455	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2035	2	6	5.0190	189.570	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2035	2	7	6.4827	244.858	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2035	2	8	6.3002	229.913	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2035	2	9	7.3586	268.540	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2035	2	10	7.2832	265.787	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2035	2	11	8.6567	315.909	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2035	2	12	9.2192	336.438	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2035	2	14	0.4915	14.751	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2035	2	15	0.2140	10.335	8.0600	5.7548	48.2848	22.10	0.004518

1	1	31	2035	2	16	0.0762	3.432	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2035	2	17	0.0872	4.121	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2035	2	18	0.1018	5.768	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2035	2	19	0.1099	6.229	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2035	2	20	0.1128	7.305	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2035	2	21	0.1401	9.075	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2035	2	22	0.1930	25.138	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2035	2	23	0.2116	41.867	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2035	2	24	10.5068	90.172	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2035	2	25	10.5228	286.538	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2035	2	26	0.2576	25.176	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2035	2	27	0.1739	4.734	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2035	2	28	0.2805	12.336	8.0600	5.7548	43.9743	17.00	0.002242
1	1	31	2035	3	1	0.1150	3.452	7.2800	5.3799	30.0117	24.10	0.281246
1	1	31	2035	3	2	0.1104	4.439	8.0600	5.7548	40.1957	18.50	0.101405
1	1	31	2035	3	3	0.1538	6.181	8.0600	5.7548	40.1957	18.50	0.337320
1	1	31	2035	3	4	0.2517	9.519	8.0600	5.7548	37.8166	14.20	0.103547
1	1	31	2035	3	5	0.2721	10.290	8.0600	5.7548	37.8166	14.20	0.047578
1	1	31	2035	3	6	0.1651	6.237	6.8800	4.9123	37.7707	10.13	0.027524
1	1	31	2035	3	7	0.2152	8.127	6.8800	4.9123	37.7707	9.39	0.000969
1	1	31	2035	3	8	0.1923	7.019	6.8800	4.9123	36.4932	9.35	0.000281
1	1	31	2035	3	9	0.2209	8.063	6.8800	4.9123	36.4931	8.01	0.000959
1	1	31	2035	3	10	0.2185	7.976	6.8800	4.9123	36.4932	8.14	0.001996
1	1	31	2035	3	11	0.2486	9.072	6.8800	4.9123	36.4932	7.45	0.000819
1	1	31	2035	3	12	0.2629	9.594	6.8800	4.9123	36.4932	7.07	0.000002
1	1	31	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	31	2035	3	14	0.0192	0.575	7.2800	5.1979	30.0117	32.40	0.000028
1	1	31	2035	3	15	0.0307	1.481	8.0600	5.7548	48.2848	22.10	0.004518
1	1	31	2035	3	16	0.1717	7.734	6.6500	4.7481	45.0549	12.96	0.008198
1	1	31	2035	3	17	0.1971	9.311	6.6500	4.7481	47.2522	11.66	0.002544
1	1	31	2035	3	18	0.2295	13.006	6.6500	4.7481	56.6821	10.20	0.002699
1	1	31	2035	3	19	0.2479	14.049	6.6500	4.7481	56.6821	9.88	0.001293
1	1	31	2035	3	20	0.3065	19.851	6.6500	4.7481	64.7605	8.71	0.006032
1	1	31	2035	3	21	0.3801	24.615	6.6500	4.7481	64.7605	7.53	0.008655
1	1	31	2035	3	22	0.4353	56.682	6.6500	4.7481	130.2221	6.59	0.010278
1	1	31	2035	3	23	0.4782	94.593	6.6500	4.7481	197.8148	6.30	0.036527
1	1	31	2035	3	24	1.9419	16.665	1.3500	0.9639	8.5822	50.00	0.002374
1	1	31	2035	3	25	0.2995	8.155	6.8800	4.9123	27.2301	6.45	0.000303
1	1	31	2035	3	26	0.6350	62.060	6.6500	4.7481	97.7390	4.36	0.003655
1	1	31	2035	3	27	0.4712	12.830	6.6500	4.7481	27.2301	6.18	0.007008
1	1	31	2035	3	28	0.0355	1.561	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524

1	1	32	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	32	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	32	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2035	1	1	0.1238	3.717	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2035	1	2	0.0976	3.923	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2035	1	3	0.1410	5.666	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2035	1	4	0.2194	8.298	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2035	1	5	0.2190	8.281	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2035	1	6	0.1209	4.568	6.8800	4.9123	37.7707	10.13	0.027524
1	1	32	2035	1	7	0.1133	4.280	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2035	1	8	0.1048	3.824	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2035	1	9	0.1160	4.233	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2035	1	10	0.1154	4.213	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2035	1	11	0.1231	4.492	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2035	1	12	0.1313	4.793	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2035	1	14	0.0224	0.671	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2035	1	15	0.0425	2.054	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2035	1	16	0.0918	4.135	6.6500	4.7481	45.0549	12.96	0.008198
1	1	32	2035	1	17	0.1048	4.952	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2035	1	18	0.1224	6.937	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2035	1	19	0.1321	7.490	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2035	1	20	0.1634	10.581	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2035	1	21	0.2024	13.110	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2035	1	22	0.2317	30.177	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2035	1	23	0.2545	50.347	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2035	1	24	1.9078	16.373	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2035	1	25	0.1624	4.421	6.8800	4.9123	27.2301	6.45	0.000303

1	1	32	2035	1	26	0.2096	20.486	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2035	1	27	0.2513	6.842	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2035	1	28	0.0681	2.995	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2035	2	1	9.5815	287.557	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2035	2	2	7.5609	303.914	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2035	2	3	8.1060	325.825	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2035	2	4	9.4663	357.983	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2035	2	5	9.7009	366.854	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2035	2	6	4.8965	184.946	6.8800	4.9123	37.7707	10.13	0.027524
1	1	32	2035	2	7	6.3246	238.885	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2035	2	8	6.1465	224.305	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2035	2	9	7.1791	261.989	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2035	2	10	7.1056	259.304	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2035	2	11	8.4455	308.203	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2035	2	12	8.9943	328.231	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2035	2	14	0.4839	14.524	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2035	2	15	0.2103	10.153	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2035	2	16	0.0741	3.340	6.6500	4.7481	45.0549	12.96	0.008198
1	1	32	2035	2	17	0.0849	4.011	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2035	2	18	0.0990	5.614	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2035	2	19	0.1070	6.063	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2035	2	20	0.1098	7.110	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2035	2	21	0.1364	8.833	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2035	2	22	0.1879	24.468	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2035	2	23	0.2060	40.751	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2035	2	24	10.2942	88.347	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2035	2	25	10.2661	279.549	6.8800	4.9123	27.2301	6.45	0.000303
1	1	32	2035	2	26	0.2507	24.505	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2035	2	27	0.1692	4.608	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2035	2	28	0.2758	12.127	8.0600	5.7548	43.9743	17.00	0.002242
1	1	32	2035	3	1	0.1146	3.440	7.2800	5.3799	30.0117	24.10	0.281246
1	1	32	2035	3	2	0.1100	4.423	8.0600	5.7548	40.1957	18.50	0.101405
1	1	32	2035	3	3	0.1533	6.161	8.0600	5.7548	40.1957	18.50	0.337320
1	1	32	2035	3	4	0.2510	9.493	8.0600	5.7548	37.8166	14.20	0.103547
1	1	32	2035	3	5	0.2714	10.265	8.0600	5.7548	37.8166	14.20	0.047578
1	1	32	2035	3	6	0.1663	6.280	6.8800	4.9123	37.7707	10.13	0.027524
1	1	32	2035	3	7	0.2167	8.183	6.8800	4.9123	37.7707	9.39	0.000969
1	1	32	2035	3	8	0.1937	7.067	6.8800	4.9123	36.4932	9.35	0.000281
1	1	32	2035	3	9	0.2225	8.118	6.8800	4.9123	36.4931	8.01	0.000959
1	1	32	2035	3	10	0.2201	8.031	6.8800	4.9123	36.4932	8.14	0.001996
1	1	32	2035	3	11	0.2503	9.134	6.8800	4.9123	36.4932	7.45	0.000819
1	1	32	2035	3	12	0.2647	9.660	6.8800	4.9123	36.4932	7.07	0.000002
1	1	32	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	32	2035	3	14	0.0191	0.574	7.2800	5.1979	30.0117	32.40	0.000028
1	1	32	2035	3	15	0.0306	1.479	8.0600	5.7548	48.2848	22.10	0.004518
1	1	32	2035	3	16	0.1714	7.721	6.6500	4.7481	45.0549	12.96	0.008198

1	1	32	2035	3	17	0.1967	9.296	6.6500	4.7481	47.2522	11.66	0.002544
1	1	32	2035	3	18	0.2291	12.985	6.6500	4.7481	56.6821	10.20	0.002699
1	1	32	2035	3	19	0.2474	14.026	6.6500	4.7481	56.6821	9.88	0.001293
1	1	32	2035	3	20	0.3060	19.819	6.6500	4.7481	64.7605	8.71	0.006032
1	1	32	2035	3	21	0.3795	24.575	6.6500	4.7481	64.7605	7.53	0.008655
1	1	32	2035	3	22	0.4346	56.590	6.6500	4.7481	130.2221	6.59	0.010278
1	1	32	2035	3	23	0.4774	94.438	6.6500	4.7481	197.8148	6.30	0.036527
1	1	32	2035	3	24	1.9546	16.775	1.3500	0.9639	8.5822	50.00	0.002374
1	1	32	2035	3	25	0.3016	8.212	6.8800	4.9123	27.2301	6.45	0.000303
1	1	32	2035	3	26	0.6339	61.959	6.6500	4.7481	97.7390	4.36	0.003655
1	1	32	2035	3	27	0.4704	12.809	6.6500	4.7481	27.2301	6.18	0.007008
1	1	32	2035	3	28	0.0354	1.558	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	33	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	33	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2035	1	1	0.1230	3.693	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2035	1	2	0.0971	3.904	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2035	1	3	0.1408	5.659	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2035	1	4	0.2188	8.275	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2035	1	5	0.2182	8.252	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2035	1	6	0.1176	4.444	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2035	1	7	0.1103	4.165	6.8800	4.9123	37.7707	9.39	0.000969

1	1	33	2035	1	8	0.1020	3.724	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2035	1	9	0.1129	4.119	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2035	1	10	0.1123	4.099	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2035	1	11	0.1197	4.368	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2035	1	12	0.1277	4.659	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2035	1	14	0.0220	0.660	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2035	1	15	0.0418	2.019	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2035	1	16	0.0897	4.040	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2035	1	17	0.1024	4.837	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2035	1	18	0.1195	6.776	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2035	1	19	0.1291	7.317	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2035	1	20	0.1596	10.336	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2035	1	21	0.1978	12.807	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2035	1	22	0.2264	29.478	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2035	1	23	0.2486	49.182	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2035	1	24	1.8861	16.187	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2035	1	25	0.1578	4.298	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2035	1	26	0.2048	20.012	6.6500	4.7481	97.7390	4.36	0.003655
1	1	33	2035	1	27	0.2454	6.684	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2035	1	28	0.0670	2.945	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2035	2	1	9.6367	289.214	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2035	2	2	7.6147	306.078	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2035	2	3	8.1641	328.162	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2035	2	4	9.5394	360.746	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2035	2	5	9.7752	369.664	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2035	2	6	4.8154	181.881	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2035	2	7	6.2198	234.926	6.8800	4.9123	37.7707	9.39	0.000969
1	1	33	2035	2	8	6.0446	220.588	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2035	2	9	7.0602	257.648	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2035	2	10	6.9878	255.007	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2035	2	11	8.3056	303.096	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2035	2	12	8.8453	322.792	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2035	2	14	0.4782	14.351	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2035	2	15	0.2074	10.014	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2035	2	16	0.0726	3.271	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2035	2	17	0.0831	3.928	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2035	2	18	0.0970	5.497	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2035	2	19	0.1047	5.936	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2035	2	20	0.1075	6.962	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2035	2	21	0.1335	8.648	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2035	2	22	0.1840	23.957	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2035	2	23	0.2017	39.899	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2035	2	24	10.1082	86.751	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2035	2	25	10.0960	274.916	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2035	2	26	0.2455	23.993	6.6500	4.7481	97.7390	4.36	0.003655

1	1	33	2035	2	27	0.1657	4.512	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2035	2	28	0.2721	11.967	8.0600	5.7548	43.9743	17.00	0.002242
1	1	33	2035	3	1	0.1152	3.458	7.2800	5.3799	30.0117	24.10	0.281246
1	1	33	2035	3	2	0.1106	4.447	8.0600	5.7548	40.1957	18.50	0.101405
1	1	33	2035	3	3	0.1540	6.191	8.0600	5.7548	40.1957	18.50	0.337320
1	1	33	2035	3	4	0.2520	9.530	8.0600	5.7548	37.8166	14.20	0.103547
1	1	33	2035	3	5	0.2722	10.295	8.0600	5.7548	37.8166	14.20	0.047578
1	1	33	2035	3	6	0.1677	6.334	6.8800	4.9123	37.7707	10.13	0.027524
1	1	33	2035	3	7	0.2185	8.254	6.8800	4.9123	37.7707	9.39	0.000969
1	1	33	2035	3	8	0.1953	7.129	6.8800	4.9123	36.4932	9.35	0.000281
1	1	33	2035	3	9	0.2244	8.188	6.8800	4.9123	36.4931	8.01	0.000959
1	1	33	2035	3	10	0.2220	8.100	6.8800	4.9123	36.4932	8.14	0.001996
1	1	33	2035	3	11	0.2525	9.213	6.8800	4.9123	36.4932	7.45	0.000819
1	1	33	2035	3	12	0.2670	9.743	6.8800	4.9123	36.4932	7.07	0.000002
1	1	33	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	33	2035	3	14	0.0192	0.578	7.2800	5.1979	30.0117	32.40	0.000028
1	1	33	2035	3	15	0.0308	1.487	8.0600	5.7548	48.2848	22.10	0.004518
1	1	33	2035	3	16	0.1724	7.767	6.6500	4.7481	45.0549	12.96	0.008198
1	1	33	2035	3	17	0.1979	9.351	6.6500	4.7481	47.2522	11.66	0.002544
1	1	33	2035	3	18	0.2304	13.062	6.6500	4.7481	56.6821	10.20	0.002699
1	1	33	2035	3	19	0.2489	14.109	6.6500	4.7481	56.6821	9.88	0.001293
1	1	33	2035	3	20	0.3078	19.936	6.6500	4.7481	64.7605	8.71	0.006032
1	1	33	2035	3	21	0.3817	24.720	6.6500	4.7481	64.7605	7.53	0.008655
1	1	33	2035	3	22	0.4371	56.924	6.6500	4.7481	130.2221	6.59	0.010278
1	1	33	2035	3	23	0.4802	94.996	6.6500	4.7481	197.8148	6.30	0.036527
1	1	33	2035	3	24	1.9654	16.868	1.3500	0.9639	8.5822	50.00	0.002374
1	1	33	2035	3	25	0.3042	8.283	6.8800	4.9123	27.2301	6.45	0.000303
1	1	33	2035	3	26	0.6377	62.325	6.6500	4.7481	97.7390	4.36	0.003655
1	1	33	2035	3	27	0.4732	12.885	6.6500	4.7481	27.2301	6.18	0.007008
1	1	33	2035	3	28	0.0356	1.567	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	34	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544

1	1	34	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	34	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2035	1	1	0.1223	3.670	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2035	1	2	0.0967	3.886	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2035	1	3	0.1406	5.653	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2035	1	4	0.2182	8.253	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2035	1	5	0.2175	8.224	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2035	1	6	0.1145	4.326	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2035	1	7	0.1074	4.058	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2035	1	8	0.0994	3.629	6.8800	4.9123	36.4932	9.35	0.000281
1	1	34	2035	1	9	0.1099	4.010	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2035	1	10	0.1094	3.991	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2035	1	11	0.1165	4.251	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2035	1	12	0.1242	4.532	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2035	1	14	0.0217	0.650	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2035	1	15	0.0411	1.985	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2035	1	16	0.0876	3.949	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2035	1	17	0.1001	4.729	6.6500	4.7481	47.2522	11.66	0.002544
1	1	34	2035	1	18	0.1169	6.624	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2035	1	19	0.1262	7.153	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2035	1	20	0.1560	10.104	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2035	1	21	0.1933	12.520	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2035	1	22	0.2213	28.818	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2035	1	23	0.2431	48.079	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2035	1	24	1.8656	16.011	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2035	1	25	0.1536	4.181	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2035	1	26	0.2002	19.564	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2035	1	27	0.2399	6.534	6.6500	4.7481	27.2301	6.18	0.007008
1	1	34	2035	1	28	0.0659	2.898	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2035	2	1	9.6889	290.781	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2035	2	2	7.6656	308.125	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2035	2	3	8.2191	330.373	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2035	2	4	9.6085	363.360	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2035	2	5	9.8455	372.322	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2035	2	6	4.7386	178.982	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2035	2	7	6.1207	231.182	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2035	2	8	5.9483	217.072	6.8800	4.9123	36.4932	9.35	0.000281

1	1	34	2035	2	9	6.9476	253.541	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2035	2	10	6.8764	250.942	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2035	2	11	8.1732	298.264	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2035	2	12	8.7043	317.646	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2035	2	14	0.4727	14.188	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2035	2	15	0.2047	9.883	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2035	2	16	0.0711	3.205	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2035	2	17	0.0814	3.848	6.6500	4.7481	47.2522	11.66	0.002544
1	1	34	2035	2	18	0.0950	5.386	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2035	2	19	0.1026	5.816	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2035	2	20	0.1053	6.821	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2035	2	21	0.1308	8.474	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2035	2	22	0.1803	23.473	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2035	2	23	0.1976	39.094	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2035	2	24	9.9323	85.241	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2035	2	25	9.9351	270.534	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2035	2	26	0.2405	23.508	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2035	2	27	0.1623	4.420	6.6500	4.7481	27.2301	6.18	0.007008
1	1	34	2035	2	28	0.2687	11.816	8.0600	5.7548	43.9743	17.00	0.002242
1	1	34	2035	3	1	0.1158	3.475	7.2800	5.3799	30.0117	24.10	0.281246
1	1	34	2035	3	2	0.1112	4.470	8.0600	5.7548	40.1957	18.50	0.101405
1	1	34	2035	3	3	0.1547	6.219	8.0600	5.7548	40.1957	18.50	0.337320
1	1	34	2035	3	4	0.2529	9.566	8.0600	5.7548	37.8166	14.20	0.103547
1	1	34	2035	3	5	0.2730	10.322	8.0600	5.7548	37.8166	14.20	0.047578
1	1	34	2035	3	6	0.1691	6.386	6.8800	4.9123	37.7707	10.13	0.027524
1	1	34	2035	3	7	0.2203	8.321	6.8800	4.9123	37.7707	9.39	0.000969
1	1	34	2035	3	8	0.1969	7.186	6.8800	4.9123	36.4932	9.35	0.000281
1	1	34	2035	3	9	0.2262	8.255	6.8800	4.9123	36.4931	8.01	0.000959
1	1	34	2035	3	10	0.2238	8.166	6.8800	4.9123	36.4932	8.14	0.001996
1	1	34	2035	3	11	0.2545	9.288	6.8800	4.9123	36.4932	7.45	0.000819
1	1	34	2035	3	12	0.2692	9.822	6.8800	4.9123	36.4932	7.07	0.000002
1	1	34	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	34	2035	3	14	0.0193	0.581	7.2800	5.1979	30.0117	32.40	0.000028
1	1	34	2035	3	15	0.0310	1.495	8.0600	5.7548	48.2848	22.10	0.004518
1	1	34	2035	3	16	0.1733	7.810	6.6500	4.7481	45.0549	12.96	0.008198
1	1	34	2035	3	17	0.1990	9.403	6.6500	4.7481	47.2522	11.66	0.002544
1	1	34	2035	3	18	0.2317	13.134	6.6500	4.7481	56.6821	10.20	0.002699
1	1	34	2035	3	19	0.2503	14.187	6.6500	4.7481	56.6821	9.88	0.001293
1	1	34	2035	3	20	0.3095	20.047	6.6500	4.7481	64.7605	8.71	0.006032
1	1	34	2035	3	21	0.3838	24.858	6.6500	4.7481	64.7605	7.53	0.008655
1	1	34	2035	3	22	0.4396	57.241	6.6500	4.7481	130.2221	6.59	0.010278
1	1	34	2035	3	23	0.4829	95.524	6.6500	4.7481	197.8148	6.30	0.036527
1	1	34	2035	3	24	1.9757	16.956	1.3500	0.9639	8.5822	50.00	0.002374
1	1	34	2035	3	25	0.3066	8.350	6.8800	4.9123	27.2301	6.45	0.000303
1	1	34	2035	3	26	0.6412	62.671	6.6500	4.7481	97.7390	4.36	0.003655
1	1	34	2035	3	27	0.4758	12.957	6.6500	4.7481	27.2301	6.18	0.007008

1	1	34	2035	3	28	0.0358	1.576	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	35	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	35	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2035	1	1	0.1216	3.649	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2035	1	2	0.0963	3.869	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2035	1	3	0.1405	5.646	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2035	1	4	0.2177	8.233	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2035	1	5	0.2168	8.198	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2035	1	6	0.1116	4.215	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2035	1	7	0.1047	3.955	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2035	1	8	0.0970	3.539	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2035	1	9	0.1071	3.907	6.8800	4.9123	36.4931	8.01	0.000959
1	1	35	2035	1	10	0.1066	3.889	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2035	1	11	0.1135	4.140	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2035	1	12	0.1209	4.411	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2035	1	14	0.0214	0.641	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2035	1	15	0.0405	1.953	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2035	1	16	0.0857	3.863	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2035	1	17	0.0979	4.626	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2035	1	18	0.1143	6.480	6.6500	4.7481	56.6821	10.20	0.002699

1	1	35	2035	1	19	0.1234	6.997	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2035	1	20	0.1526	9.885	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2035	1	21	0.1891	12.248	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2035	1	22	0.2165	28.192	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2035	1	23	0.2378	47.035	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2035	1	24	1.8462	15.845	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2035	1	25	0.1495	4.071	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2035	1	26	0.1958	19.139	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2035	1	27	0.2347	6.392	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2035	1	28	0.0649	2.853	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2035	2	1	9.7384	292.266	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2035	2	2	7.7139	310.064	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2035	2	3	8.2712	332.467	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2035	2	4	9.6740	365.836	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2035	2	5	9.9120	374.840	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2035	2	6	4.6659	176.235	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2035	2	7	6.0267	227.634	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2035	2	8	5.8570	213.740	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2035	2	9	6.8410	249.650	6.8800	4.9123	36.4931	8.01	0.000959
1	1	35	2035	2	10	6.7709	247.091	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2035	2	11	8.0477	293.687	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2035	2	12	8.5707	312.772	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2035	2	14	0.4676	14.033	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2035	2	15	0.2021	9.758	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2035	2	16	0.0697	3.142	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2035	2	17	0.0799	3.773	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2035	2	18	0.0932	5.280	6.6500	4.7481	56.6821	10.20	0.002699
1	1	35	2035	2	19	0.1006	5.703	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2035	2	20	0.1033	6.688	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2035	2	21	0.1283	8.308	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2035	2	22	0.1767	23.015	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2035	2	23	0.1938	38.331	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2035	2	24	9.7656	83.811	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2035	2	25	9.7826	266.382	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2035	2	26	0.2358	23.049	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2035	2	27	0.1592	4.334	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2035	2	28	0.2655	11.674	8.0600	5.7548	43.9743	17.00	0.002242
1	1	35	2035	3	1	0.1163	3.492	7.2800	5.3799	30.0117	24.10	0.281246
1	1	35	2035	3	2	0.1118	4.492	8.0600	5.7548	40.1957	18.50	0.101405
1	1	35	2035	3	3	0.1554	6.246	8.0600	5.7548	40.1957	18.50	0.337320
1	1	35	2035	3	4	0.2538	9.599	8.0600	5.7548	37.8166	14.20	0.103547
1	1	35	2035	3	5	0.2737	10.349	8.0600	5.7548	37.8166	14.20	0.047578
1	1	35	2035	3	6	0.1704	6.434	6.8800	4.9123	37.7707	10.13	0.027524
1	1	35	2035	3	7	0.2220	8.384	6.8800	4.9123	37.7707	9.39	0.000969
1	1	35	2035	3	8	0.1984	7.241	6.8800	4.9123	36.4932	9.35	0.000281
1	1	35	2035	3	9	0.2279	8.318	6.8800	4.9123	36.4931	8.01	0.000959

1	1	35	2035	3	10	0.2255	8.228	6.8800	4.9123	36.4932	8.14	0.001996
1	1	35	2035	3	11	0.2565	9.359	6.8800	4.9123	36.4932	7.45	0.000819
1	1	35	2035	3	12	0.2712	9.897	6.8800	4.9123	36.4932	7.07	0.000002
1	1	35	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	35	2035	3	14	0.0194	0.584	7.2800	5.1979	30.0117	32.40	0.000028
1	1	35	2035	3	15	0.0311	1.503	8.0600	5.7548	48.2848	22.10	0.004518
1	1	35	2035	3	16	0.1743	7.851	6.6500	4.7481	45.0549	12.96	0.008198
1	1	35	2035	3	17	0.2000	9.452	6.6500	4.7481	47.2522	11.66	0.002544
1	1	35	2035	3	18	0.2329	13.203	6.6500	4.7481	56.6821	10.20	0.002699
1	1	35	2035	3	19	0.2516	14.261	6.6500	4.7481	56.6821	9.88	0.001293
1	1	35	2035	3	20	0.3112	20.152	6.6500	4.7481	64.7605	8.71	0.006032
1	1	35	2035	3	21	0.3859	24.988	6.6500	4.7481	64.7605	7.53	0.008655
1	1	35	2035	3	22	0.4419	57.540	6.6500	4.7481	130.2221	6.59	0.010278
1	1	35	2035	3	23	0.4854	96.025	6.6500	4.7481	197.8148	6.30	0.036527
1	1	35	2035	3	24	1.9854	17.039	1.3500	0.9639	8.5822	50.00	0.002374
1	1	35	2035	3	25	0.3090	8.413	6.8800	4.9123	27.2301	6.45	0.000303
1	1	35	2035	3	26	0.6446	62.999	6.6500	4.7481	97.7390	4.36	0.003655
1	1	35	2035	3	27	0.4783	13.025	6.6500	4.7481	27.2301	6.18	0.007008
1	1	35	2035	3	28	0.0360	1.584	8.0600	5.7548	43.9743	17.00	0.002242
1	1	36	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	36	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	36	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	36	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	36	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	36	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	36	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	36	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	36	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	36	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	36	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	36	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	36	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	36	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	36	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	36	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	36	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	36	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	36	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	36	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	36	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	36	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	36	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	36	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242

1	1	36	2035	1	1	0.1209	3.628	7.2800	5.3799	30.0117	24.10	0.281246
1	1	36	2035	1	2	0.0959	3.853	8.0600	5.7548	40.1957	18.50	0.101405
1	1	36	2035	1	3	0.1403	5.640	8.0600	5.7548	40.1957	18.50	0.337320
1	1	36	2035	1	4	0.2172	8.213	8.0600	5.7548	37.8166	14.20	0.103547
1	1	36	2035	1	5	0.2161	8.173	8.0600	5.7548	37.8166	14.20	0.047578
1	1	36	2035	1	6	0.1088	4.109	6.8800	4.9123	37.7707	10.13	0.027524
1	1	36	2035	1	7	0.1021	3.858	6.8800	4.9123	37.7707	9.39	0.000969
1	1	36	2035	1	8	0.0947	3.454	6.8800	4.9123	36.4932	9.35	0.000281
1	1	36	2035	1	9	0.1044	3.810	6.8800	4.9123	36.4931	8.01	0.000959
1	1	36	2035	1	10	0.1039	3.792	6.8800	4.9123	36.4932	8.14	0.001996
1	1	36	2035	1	11	0.1106	4.035	6.8800	4.9123	36.4932	7.45	0.000819
1	1	36	2035	1	12	0.1177	4.297	6.8800	4.9123	36.4932	7.07	0.000002
1	1	36	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2035	1	14	0.0211	0.632	7.2800	5.1979	30.0117	32.40	0.000028
1	1	36	2035	1	15	0.0398	1.923	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2035	1	16	0.0839	3.782	6.6500	4.7481	45.0549	12.96	0.008198
1	1	36	2035	1	17	0.0958	4.529	6.6500	4.7481	47.2522	11.66	0.002544
1	1	36	2035	1	18	0.1119	6.344	6.6500	4.7481	56.6821	10.20	0.002699
1	1	36	2035	1	19	0.1208	6.850	6.6500	4.7481	56.6821	9.88	0.001293
1	1	36	2035	1	20	0.1494	9.677	6.6500	4.7481	64.7605	8.71	0.006032
1	1	36	2035	1	21	0.1851	11.990	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2035	1	22	0.2119	27.598	6.6500	4.7481	130.2221	6.59	0.010278
1	1	36	2035	1	23	0.2328	46.044	6.6500	4.7481	197.8148	6.30	0.036527
1	1	36	2035	1	24	1.8278	15.687	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2035	1	25	0.1457	3.966	6.8800	4.9123	27.2301	6.45	0.000303
1	1	36	2035	1	26	0.1917	18.735	6.6500	4.7481	97.7390	4.36	0.003655
1	1	36	2035	1	27	0.2298	6.257	6.6500	4.7481	27.2301	6.18	0.007008
1	1	36	2035	1	28	0.0639	2.810	8.0600	5.7548	43.9743	17.00	0.002242
1	1	36	2035	2	1	9.7854	293.675	7.2800	5.3799	30.0117	24.10	0.281246
1	1	36	2035	2	2	7.7596	311.903	8.0600	5.7548	40.1957	18.50	0.101405
1	1	36	2035	2	3	8.3207	334.454	8.0600	5.7548	40.1957	18.50	0.337320
1	1	36	2035	2	4	9.7361	368.186	8.0600	5.7548	37.8166	14.20	0.103547
1	1	36	2035	2	5	9.9752	377.229	8.0600	5.7548	37.8166	14.20	0.047578
1	1	36	2035	2	6	4.5969	173.629	6.8800	4.9123	37.7707	10.13	0.027524
1	1	36	2035	2	7	5.9376	224.268	6.8800	4.9123	37.7707	9.39	0.000969
1	1	36	2035	2	8	5.7704	210.580	6.8800	4.9123	36.4932	9.35	0.000281
1	1	36	2035	2	9	6.7399	245.959	6.8800	4.9123	36.4931	8.01	0.000959
1	1	36	2035	2	10	6.6708	243.438	6.8800	4.9123	36.4932	8.14	0.001996
1	1	36	2035	2	11	7.9287	289.345	6.8800	4.9123	36.4932	7.45	0.000819
1	1	36	2035	2	12	8.4440	308.147	6.8800	4.9123	36.4932	7.07	0.000002
1	1	36	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2035	2	14	0.4627	13.886	7.2800	5.1979	30.0117	32.40	0.000028
1	1	36	2035	2	15	0.1997	9.640	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2035	2	16	0.0684	3.083	6.6500	4.7481	45.0549	12.96	0.008198
1	1	36	2035	2	17	0.0783	3.702	6.6500	4.7481	47.2522	11.66	0.002544
1	1	36	2035	2	18	0.0914	5.181	6.6500	4.7481	56.6821	10.20	0.002699
1	1	36	2035	2	19	0.0987	5.595	6.6500	4.7481	56.6821	9.88	0.001293

1	1	36	2035	2	20	0.1013	6.562	6.6500	4.7481	64.7605	8.71	0.006032
1	1	36	2035	2	21	0.1259	8.151	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2035	2	22	0.1734	22.580	6.6500	4.7481	130.2221	6.59	0.010278
1	1	36	2035	2	23	0.1901	37.607	6.6500	4.7481	197.8148	6.30	0.036527
1	1	36	2035	2	24	9.6075	82.454	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2035	2	25	9.6380	262.444	6.8800	4.9123	27.2301	6.45	0.000303
1	1	36	2035	2	26	0.2314	22.614	6.6500	4.7481	97.7390	4.36	0.003655
1	1	36	2035	2	27	0.1562	4.252	6.6500	4.7481	27.2301	6.18	0.007008
1	1	36	2035	2	28	0.2624	11.538	8.0600	5.7548	43.9743	17.00	0.002242
1	1	36	2035	3	1	0.1169	3.507	7.2800	5.3799	30.0117	24.10	0.281246
1	1	36	2035	3	2	0.1123	4.513	8.0600	5.7548	40.1957	18.50	0.101405
1	1	36	2035	3	3	0.1560	6.272	8.0600	5.7548	40.1957	18.50	0.337320
1	1	36	2035	3	4	0.2547	9.631	8.0600	5.7548	37.8166	14.20	0.103547
1	1	36	2035	3	5	0.2743	10.374	8.0600	5.7548	37.8166	14.20	0.047578
1	1	36	2035	3	6	0.1716	6.480	6.8800	4.9123	37.7707	10.13	0.027524
1	1	36	2035	3	7	0.2236	8.444	6.8800	4.9123	37.7707	9.39	0.000969
1	1	36	2035	3	8	0.1998	7.293	6.8800	4.9123	36.4932	9.35	0.000281
1	1	36	2035	3	9	0.2296	8.377	6.8800	4.9123	36.4931	8.01	0.000959
1	1	36	2035	3	10	0.2271	8.287	6.8800	4.9123	36.4932	8.14	0.001996
1	1	36	2035	3	11	0.2583	9.426	6.8800	4.9123	36.4932	7.45	0.000819
1	1	36	2035	3	12	0.2731	9.968	6.8800	4.9123	36.4932	7.07	0.000002
1	1	36	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	36	2035	3	14	0.0195	0.586	7.2800	5.1979	30.0117	32.40	0.000028
1	1	36	2035	3	15	0.0313	1.510	8.0600	5.7548	48.2848	22.10	0.004518
1	1	36	2035	3	16	0.1751	7.890	6.6500	4.7481	45.0549	12.96	0.008198
1	1	36	2035	3	17	0.2010	9.499	6.6500	4.7481	47.2522	11.66	0.002544
1	1	36	2035	3	18	0.2341	13.268	6.6500	4.7481	56.6821	10.20	0.002699
1	1	36	2035	3	19	0.2528	14.332	6.6500	4.7481	56.6821	9.88	0.001293
1	1	36	2035	3	20	0.3127	20.251	6.6500	4.7481	64.7605	8.71	0.006032
1	1	36	2035	3	21	0.3878	25.111	6.6500	4.7481	64.7605	7.53	0.008655
1	1	36	2035	3	22	0.4440	57.825	6.6500	4.7481	130.2221	6.59	0.010278
1	1	36	2035	3	23	0.4878	96.499	6.6500	4.7481	197.8148	6.30	0.036527
1	1	36	2035	3	24	1.9946	17.118	1.3500	0.9639	8.5822	50.00	0.002374
1	1	36	2035	3	25	0.3112	8.474	6.8800	4.9123	27.2301	6.45	0.000303
1	1	36	2035	3	26	0.6478	63.311	6.6500	4.7481	97.7390	4.36	0.003655
1	1	36	2035	3	27	0.4807	13.089	6.6500	4.7481	27.2301	6.18	0.007008
1	1	36	2035	3	28	0.0362	1.591	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	37	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996

1	1	37	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	37	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2035	1	1	0.1202	3.609	7.2800	5.3799	30.0117	24.10	0.281246
1	1	37	2035	1	2	0.0955	3.838	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2035	1	3	0.1402	5.635	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2035	1	4	0.2167	8.195	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2035	1	5	0.2155	8.150	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2035	1	6	0.1061	4.009	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2035	1	7	0.0997	3.766	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2035	1	8	0.0924	3.373	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2035	1	9	0.1019	3.717	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2035	1	10	0.1014	3.700	6.8800	4.9123	36.4932	8.14	0.001996
1	1	37	2035	1	11	0.1078	3.935	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2035	1	12	0.1148	4.188	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2035	1	14	0.0208	0.624	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2035	1	15	0.0392	1.895	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2035	1	16	0.0822	3.704	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2035	1	17	0.0939	4.436	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2035	1	18	0.1096	6.214	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2035	1	19	0.1184	6.710	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2035	1	20	0.1464	9.479	6.6500	4.7481	64.7605	8.71	0.006032
1	1	37	2035	1	21	0.1814	11.745	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2035	1	22	0.2076	27.034	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2035	1	23	0.2280	45.103	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2035	1	24	1.8103	15.537	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2035	1	25	0.1420	3.867	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2035	1	26	0.1878	18.352	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2035	1	27	0.2251	6.129	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2035	1	28	0.0630	2.770	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2035	2	1	9.8299	295.014	7.2800	5.3799	30.0117	24.10	0.281246

1	1	37	2035	2	2	7.8031	313.651	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2035	2	3	8.3676	336.342	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2035	2	4	9.7951	370.418	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2035	2	5	10.0352	379.499	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2035	2	6	4.5314	171.154	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2035	2	7	5.8530	221.071	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2035	2	8	5.6881	207.578	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2035	2	9	6.6438	242.452	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2035	2	10	6.5757	239.967	6.8800	4.9123	36.4932	8.14	0.001996
1	1	37	2035	2	11	7.8157	285.220	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2035	2	12	8.3236	303.754	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2035	2	14	0.4580	13.746	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2035	2	15	0.1973	9.528	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2035	2	16	0.0672	3.026	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2035	2	17	0.0769	3.634	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2035	2	18	0.0897	5.086	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2035	2	19	0.0969	5.493	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2035	2	20	0.0995	6.442	6.6500	4.7481	64.7605	8.71	0.006032
1	1	37	2035	2	21	0.1236	8.002	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2035	2	22	0.1702	22.167	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2035	2	23	0.1866	36.919	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2035	2	24	9.4573	81.165	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2035	2	25	9.5006	258.702	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2035	2	26	0.2271	22.201	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2035	2	27	0.1533	4.175	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2035	2	28	0.2595	11.409	8.0600	5.7548	43.9743	17.00	0.002242
1	1	37	2035	3	1	0.1174	3.522	7.2800	5.3799	30.0117	24.10	0.281246
1	1	37	2035	3	2	0.1128	4.532	8.0600	5.7548	40.1957	18.50	0.101405
1	1	37	2035	3	3	0.1566	6.297	8.0600	5.7548	40.1957	18.50	0.337320
1	1	37	2035	3	4	0.2555	9.661	8.0600	5.7548	37.8166	14.20	0.103547
1	1	37	2035	3	5	0.2749	10.397	8.0600	5.7548	37.8166	14.20	0.047578
1	1	37	2035	3	6	0.1727	6.524	6.8800	4.9123	37.7707	10.13	0.027524
1	1	37	2035	3	7	0.2251	8.501	6.8800	4.9123	37.7707	9.39	0.000969
1	1	37	2035	3	8	0.2012	7.342	6.8800	4.9123	36.4932	9.35	0.000281
1	1	37	2035	3	9	0.2311	8.434	6.8800	4.9123	36.4931	8.01	0.000959
1	1	37	2035	3	10	0.2286	8.343	6.8800	4.9123	36.4932	8.14	0.001996
1	1	37	2035	3	11	0.2600	9.490	6.8800	4.9123	36.4932	7.45	0.000819
1	1	37	2035	3	12	0.2750	10.035	6.8800	4.9123	36.4932	7.07	0.000002
1	1	37	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	37	2035	3	14	0.0196	0.589	7.2800	5.1979	30.0117	32.40	0.000028
1	1	37	2035	3	15	0.0314	1.517	8.0600	5.7548	48.2848	22.10	0.004518
1	1	37	2035	3	16	0.1759	7.927	6.6500	4.7481	45.0549	12.96	0.008198
1	1	37	2035	3	17	0.2020	9.543	6.6500	4.7481	47.2522	11.66	0.002544
1	1	37	2035	3	18	0.2352	13.330	6.6500	4.7481	56.6821	10.20	0.002699
1	1	37	2035	3	19	0.2540	14.399	6.6500	4.7481	56.6821	9.88	0.001293
1	1	37	2035	3	20	0.3142	20.346	6.6500	4.7481	64.7605	8.71	0.006032

1	1	37	2035	3	21	0.3896	25.229	6.6500	4.7481	64.7605	7.53	0.008655
1	1	37	2035	3	22	0.4461	58.095	6.6500	4.7481	130.2221	6.59	0.010278
1	1	37	2035	3	23	0.4901	96.950	6.6500	4.7481	197.8148	6.30	0.036527
1	1	37	2035	3	24	2.0033	17.193	1.3500	0.9639	8.5822	50.00	0.002374
1	1	37	2035	3	25	0.3133	8.531	6.8800	4.9123	27.2301	6.45	0.000303
1	1	37	2035	3	26	0.6508	63.607	6.6500	4.7481	97.7390	4.36	0.003655
1	1	37	2035	3	27	0.4829	13.150	6.6500	4.7481	27.2301	6.18	0.007008
1	1	37	2035	3	28	0.0364	1.599	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	38	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	38	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	38	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	38	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	38	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	38	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	38	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	38	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	38	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	38	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	38	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	38	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	38	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	38	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	38	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	38	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	38	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	38	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	38	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	38	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	38	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	38	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	38	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2035	1	1	0.1196	3.591	7.2800	5.3799	30.0117	24.10	0.281246
1	1	38	2035	1	2	0.0951	3.824	8.0600	5.7548	40.1957	18.50	0.101405
1	1	38	2035	1	3	0.1401	5.633	8.0600	5.7548	40.1957	18.50	0.337320
1	1	38	2035	1	4	0.2163	8.179	8.0600	5.7548	37.8166	14.20	0.103547
1	1	38	2035	1	5	0.2149	8.128	8.0600	5.7548	37.8166	14.20	0.047578
1	1	38	2035	1	6	0.1039	3.924	6.8800	4.9123	37.7707	10.13	0.027524
1	1	38	2035	1	7	0.0977	3.688	6.8800	4.9123	37.7707	9.39	0.000969
1	1	38	2035	1	8	0.0906	3.305	6.8800	4.9123	36.4932	9.35	0.000281
1	1	38	2035	1	9	0.0997	3.640	6.8800	4.9123	36.4931	8.01	0.000959
1	1	38	2035	1	10	0.0993	3.623	6.8800	4.9123	36.4932	8.14	0.001996
1	1	38	2035	1	11	0.1055	3.852	6.8800	4.9123	36.4932	7.45	0.000819

1	1	38	2035	1	12	0.1123	4.098	6.8800	4.9123	36.4932	7.07	0.000002
1	1	38	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2035	1	14	0.0205	0.616	7.2800	5.1979	30.0117	32.40	0.000028
1	1	38	2035	1	15	0.0387	1.869	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2035	1	16	0.0807	3.636	6.6500	4.7481	45.0549	12.96	0.008198
1	1	38	2035	1	17	0.0921	4.354	6.6500	4.7481	47.2522	11.66	0.002544
1	1	38	2035	1	18	0.1076	6.099	6.6500	4.7481	56.6821	10.20	0.002699
1	1	38	2035	1	19	0.1162	6.586	6.6500	4.7481	56.6821	9.88	0.001293
1	1	38	2035	1	20	0.1437	9.303	6.6500	4.7481	64.7605	8.71	0.006032
1	1	38	2035	1	21	0.1780	11.527	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2035	1	22	0.2038	26.534	6.6500	4.7481	130.2221	6.59	0.010278
1	1	38	2035	1	23	0.2238	44.269	6.6500	4.7481	197.8148	6.30	0.036527
1	1	38	2035	1	24	1.7980	15.431	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2035	1	25	0.1389	3.783	6.8800	4.9123	27.2301	6.45	0.000303
1	1	38	2035	1	26	0.1843	18.013	6.6500	4.7481	97.7390	4.36	0.003655
1	1	38	2035	1	27	0.2209	6.016	6.6500	4.7481	27.2301	6.18	0.007008
1	1	38	2035	1	28	0.0622	2.734	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2035	2	1	9.8845	296.651	7.2800	5.3799	30.0117	24.10	0.281246
1	1	38	2035	2	2	7.8563	315.788	8.0600	5.7548	40.1957	18.50	0.101405
1	1	38	2035	2	3	8.4250	338.650	8.0600	5.7548	40.1957	18.50	0.337320
1	1	38	2035	2	4	9.8673	373.147	8.0600	5.7548	37.8166	14.20	0.103547
1	1	38	2035	2	5	10.1086	382.274	8.0600	5.7548	37.8166	14.20	0.047578
1	1	38	2035	2	6	4.5093	170.318	6.8800	4.9123	37.7707	10.13	0.027524
1	1	38	2035	2	7	5.8244	219.991	6.8800	4.9123	37.7707	9.39	0.000969
1	1	38	2035	2	8	5.6603	206.564	6.8800	4.9123	36.4932	9.35	0.000281
1	1	38	2035	2	9	6.6113	241.268	6.8800	4.9123	36.4931	8.01	0.000959
1	1	38	2035	2	10	6.5436	238.795	6.8800	4.9123	36.4932	8.14	0.001996
1	1	38	2035	2	11	7.7775	283.827	6.8800	4.9123	36.4932	7.45	0.000819
1	1	38	2035	2	12	8.2829	302.270	6.8800	4.9123	36.4932	7.07	0.000002
1	1	38	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2035	2	14	0.4552	13.661	7.2800	5.1979	30.0117	32.40	0.000028
1	1	38	2035	2	15	0.1959	9.459	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2035	2	16	0.0664	2.992	6.6500	4.7481	45.0549	12.96	0.008198
1	1	38	2035	2	17	0.0760	3.593	6.6500	4.7481	47.2522	11.66	0.002544
1	1	38	2035	2	18	0.0887	5.028	6.6500	4.7481	56.6821	10.20	0.002699
1	1	38	2035	2	19	0.0958	5.430	6.6500	4.7481	56.6821	9.88	0.001293
1	1	38	2035	2	20	0.0983	6.368	6.6500	4.7481	64.7605	8.71	0.006032
1	1	38	2035	2	21	0.1222	7.911	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2035	2	22	0.1683	21.915	6.6500	4.7481	130.2221	6.59	0.010278
1	1	38	2035	2	23	0.1845	36.499	6.6500	4.7481	197.8148	6.30	0.036527
1	1	38	2035	2	24	9.3413	80.170	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2035	2	25	9.4542	257.438	6.8800	4.9123	27.2301	6.45	0.000303
1	1	38	2035	2	26	0.2246	21.948	6.6500	4.7481	97.7390	4.36	0.003655
1	1	38	2035	2	27	0.1516	4.127	6.6500	4.7481	27.2301	6.18	0.007008
1	1	38	2035	2	28	0.2577	11.330	8.0600	5.7548	43.9743	17.00	0.002242
1	1	38	2035	3	1	0.1181	3.545	7.2800	5.3799	30.0117	24.10	0.281246
1	1	38	2035	3	2	0.1135	4.562	8.0600	5.7548	40.1957	18.50	0.101405

1	1	38	2035	3	3	0.1576	6.334	8.0600	5.7548	40.1957	18.50	0.337320
1	1	38	2035	3	4	0.2568	9.710	8.0600	5.7548	37.8166	14.20	0.103547
1	1	38	2035	3	5	0.2760	10.438	8.0600	5.7548	37.8166	14.20	0.047578
1	1	38	2035	3	6	0.1742	6.578	6.8800	4.9123	37.7707	10.13	0.027524
1	1	38	2035	3	7	0.2269	8.571	6.8800	4.9123	37.7707	9.39	0.000969
1	1	38	2035	3	8	0.2028	7.402	6.8800	4.9123	36.4932	9.35	0.000281
1	1	38	2035	3	9	0.2330	8.503	6.8800	4.9123	36.4931	8.01	0.000959
1	1	38	2035	3	10	0.2305	8.411	6.8800	4.9123	36.4932	8.14	0.001996
1	1	38	2035	3	11	0.2622	9.567	6.8800	4.9123	36.4932	7.45	0.000819
1	1	38	2035	3	12	0.2773	10.118	6.8800	4.9123	36.4932	7.07	0.000002
1	1	38	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	38	2035	3	14	0.0199	0.597	7.2800	5.1979	30.0117	32.40	0.000028
1	1	38	2035	3	15	0.0318	1.538	8.0600	5.7548	48.2848	22.10	0.004518
1	1	38	2035	3	16	0.1784	8.038	6.6500	4.7481	45.0549	12.96	0.008198
1	1	38	2035	3	17	0.2048	9.677	6.6500	4.7481	47.2522	11.66	0.002544
1	1	38	2035	3	18	0.2385	13.517	6.6500	4.7481	56.6821	10.20	0.002699
1	1	38	2035	3	19	0.2576	14.600	6.6500	4.7481	56.6821	9.88	0.001293
1	1	38	2035	3	20	0.3186	20.630	6.6500	4.7481	64.7605	8.71	0.006032
1	1	38	2035	3	21	0.3950	25.582	6.6500	4.7481	64.7605	7.53	0.008655
1	1	38	2035	3	22	0.4524	58.907	6.6500	4.7481	130.2221	6.59	0.010278
1	1	38	2035	3	23	0.4970	98.306	6.6500	4.7481	197.8148	6.30	0.036527
1	1	38	2035	3	24	2.0115	17.263	1.3500	0.9639	8.5822	50.00	0.002374
1	1	38	2035	3	25	0.3159	8.601	6.8800	4.9123	27.2301	6.45	0.000303
1	1	38	2035	3	26	0.6599	64.496	6.6500	4.7481	97.7390	4.36	0.003655
1	1	38	2035	3	27	0.4897	13.334	6.6500	4.7481	27.2301	6.18	0.007008
1	1	38	2035	3	28	0.0368	1.620	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	39	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655

1	1	39	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2035	1	1	0.1191	3.573	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2035	1	2	0.0948	3.810	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2035	1	3	0.1401	5.630	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2035	1	4	0.2159	8.164	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2035	1	5	0.2144	8.107	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2035	1	6	0.1018	3.844	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2035	1	7	0.0957	3.614	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2035	1	8	0.0888	3.240	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2035	1	9	0.0977	3.566	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2035	1	10	0.0973	3.550	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2035	1	11	0.1034	3.772	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2035	1	12	0.1099	4.012	6.8800	4.9123	36.4932	7.07	0.000002
1	1	39	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2035	1	14	0.0203	0.609	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2035	1	15	0.0382	1.845	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2035	1	16	0.0793	3.571	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2035	1	17	0.0905	4.276	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2035	1	18	0.1057	5.990	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2035	1	19	0.1141	6.468	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2035	1	20	0.1411	9.137	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2035	1	21	0.1748	11.321	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2035	1	22	0.2001	26.058	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2035	1	23	0.2198	43.474	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2035	1	24	1.7863	15.330	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2035	1	25	0.1360	3.702	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2035	1	26	0.1810	17.690	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2035	1	27	0.2170	5.908	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2035	1	28	0.0614	2.700	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2035	2	1	9.9364	298.209	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2035	2	2	7.9069	317.824	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2035	2	3	8.4797	340.849	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2035	2	4	9.9360	375.747	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2035	2	5	10.1785	384.918	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2035	2	6	4.4882	169.522	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2035	2	7	5.7972	218.963	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2035	2	8	5.6339	205.599	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2035	2	9	6.5804	240.140	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2035	2	10	6.5130	237.679	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2035	2	11	7.7412	282.500	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2035	2	12	8.2442	300.858	6.8800	4.9123	36.4932	7.07	0.000002

1	1	39	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2035	2	14	0.4525	13.580	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2035	2	15	0.1946	9.394	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2035	2	16	0.0657	2.959	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2035	2	17	0.0752	3.553	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2035	2	18	0.0877	4.973	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2035	2	19	0.0948	5.371	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2035	2	20	0.0973	6.299	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2035	2	21	0.1208	7.825	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2035	2	22	0.1664	21.675	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2035	2	23	0.1825	36.099	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2035	2	24	9.2309	79.222	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2035	2	25	9.4100	256.235	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2035	2	26	0.2221	21.707	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2035	2	27	0.1499	4.082	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2035	2	28	0.2560	11.256	8.0600	5.7548	43.9743	17.00	0.002242
1	1	39	2035	3	1	0.1188	3.566	7.2800	5.3799	30.0117	24.10	0.281246
1	1	39	2035	3	2	0.1142	4.590	8.0600	5.7548	40.1957	18.50	0.101405
1	1	39	2035	3	3	0.1585	6.370	8.0600	5.7548	40.1957	18.50	0.337320
1	1	39	2035	3	4	0.2580	9.756	8.0600	5.7548	37.8166	14.20	0.103547
1	1	39	2035	3	5	0.2770	10.476	8.0600	5.7548	37.8166	14.20	0.047578
1	1	39	2035	3	6	0.1755	6.629	6.8800	4.9123	37.7707	10.13	0.027524
1	1	39	2035	3	7	0.2287	8.638	6.8800	4.9123	37.7707	9.39	0.000969
1	1	39	2035	3	8	0.2044	7.460	6.8800	4.9123	36.4932	9.35	0.000281
1	1	39	2035	3	9	0.2348	8.569	6.8800	4.9123	36.4931	8.01	0.000959
1	1	39	2035	3	10	0.2323	8.477	6.8800	4.9123	36.4932	8.14	0.001996
1	1	39	2035	3	11	0.2642	9.642	6.8800	4.9123	36.4932	7.45	0.000819
1	1	39	2035	3	12	0.2794	10.196	6.8800	4.9123	36.4932	7.07	0.000002
1	1	39	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	39	2035	3	14	0.0201	0.605	7.2800	5.1979	30.0117	32.40	0.000028
1	1	39	2035	3	15	0.0323	1.558	8.0600	5.7548	48.2848	22.10	0.004518
1	1	39	2035	3	16	0.1807	8.143	6.6500	4.7481	45.0549	12.96	0.008198
1	1	39	2035	3	17	0.2075	9.804	6.6500	4.7481	47.2522	11.66	0.002544
1	1	39	2035	3	18	0.2416	13.694	6.6500	4.7481	56.6821	10.20	0.002699
1	1	39	2035	3	19	0.2610	14.792	6.6500	4.7481	56.6821	9.88	0.001293
1	1	39	2035	3	20	0.3227	20.901	6.6500	4.7481	64.7605	8.71	0.006032
1	1	39	2035	3	21	0.4002	25.917	6.6500	4.7481	64.7605	7.53	0.008655
1	1	39	2035	3	22	0.4583	59.681	6.6500	4.7481	130.2221	6.59	0.010278
1	1	39	2035	3	23	0.5035	99.597	6.6500	4.7481	197.8148	6.30	0.036527
1	1	39	2035	3	24	2.0192	17.329	1.3500	0.9639	8.5822	50.00	0.002374
1	1	39	2035	3	25	0.3183	8.668	6.8800	4.9123	27.2301	6.45	0.000303
1	1	39	2035	3	26	0.6685	65.343	6.6500	4.7481	97.7390	4.36	0.003655
1	1	39	2035	3	27	0.4961	13.509	6.6500	4.7481	27.2301	6.18	0.007008
1	1	39	2035	3	28	0.0373	1.641	8.0600	5.7548	43.9743	17.00	0.002242
1	1	40	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	40	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	40	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320

1	1	40	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	40	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	40	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	40	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	40	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	40	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	40	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	40	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	40	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	40	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	40	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	40	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	40	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	40	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	40	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	40	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	40	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	40	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	40	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	40	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	40	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	40	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	40	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	40	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	40	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	40	2035	1	1	0.1185	3.557	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	40	2035	1	2	0.0945	3.797	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	40	2035	1	3	0.1400	5.628	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	40	2035	1	4	0.2155	8.149	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	40	2035	1	5	0.2138	8.087	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	40	2035	1	6	0.0997	3.767	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	40	2035	1	7	0.0938	3.544	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	40	2035	1	8	0.0871	3.179	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	40	2035	1	9	0.0958	3.496	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	40	2035	1	10	0.0954	3.480	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	40	2035	1	11	0.1013	3.696	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	40	2035	1	12	0.1077	3.930	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	40	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	40	2035	1	14	0.0201	0.602	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	40	2035	1	15	0.0377	1.822	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	40	2035	1	16	0.0779	3.509	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	40	2035	1	17	0.0889	4.202	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	40	2035	1	18	0.1038	5.885	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	40	2035	1	19	0.1121	6.355	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	40	2035	1	20	0.1386	8.977	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	40	2035	1	21	0.1718	11.123	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	40	2035	1	22	0.1966	25.604	6.6500	4.7481	130.2221	6.59
0.010278											

1	1	40	2035	1	23	0.2159	42.717	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	40	2035	1	24	1.7751	15.234	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	40	2035	1	25	0.1332	3.626	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	40	2035	1	26	0.1778	17.382	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	40	2035	1	27	0.2132	5.805	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	40	2035	1	28	0.0607	2.667	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	40	2035	2	1	9.9860	299.696	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	40	2035	2	2	7.9552	319.764	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	40	2035	2	3	8.5319	342.945	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	40	2035	2	4	10.0016	378.226	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	40	2035	2	5	10.2452	387.438	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	40	2035	2	6	4.4681	168.763	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	40	2035	2	7	5.7712	217.982	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	40	2035	2	8	5.6087	204.678	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	40	2035	2	9	6.5510	239.065	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	40	2035	2	10	6.4838	236.615	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	40	2035	2	11	7.7065	281.235	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	40	2035	2	12	8.2073	299.510	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	40	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	40	2035	2	14	0.4499	13.502	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	40	2035	2	15	0.1933	9.332	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	40	2035	2	16	0.0650	2.928	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	40	2035	2	17	0.0744	3.516	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	40	2035	2	18	0.0868	4.920	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	40	2035	2	19	0.0938	5.314	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	40	2035	2	20	0.0962	6.232	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	40	2035	2	21	0.1195	7.742	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	40	2035	2	22	0.1647	21.446	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	40	2035	2	23	0.1806	35.717	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	40	2035	2	24	9.1256	78.318	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	40	2035	2	25	9.3678	255.088	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	40	2035	2	26	0.2197	21.478	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	40	2035	2	27	0.1483	4.039	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	40	2035	2	28	0.2543	11.184	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	40	2035	3	1	0.1195	3.586	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	40	2035	3	2	0.1149	4.617	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	40	2035	3	3	0.1593	6.404	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	40	2035	3	4	0.2591	9.800	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	40	2035	3	5	0.2780	10.513	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	40	2035	3	6	0.1768	6.677	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	40	2035	3	7	0.2304	8.701	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	40	2035	3	8	0.2059	7.515	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	40	2035	3	9	0.2365	8.632	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	40	2035	3	10	0.2340	8.539	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	40	2035	3	11	0.2661	9.712	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	40	2035	3	12	0.2815	10.271	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	40	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											

1	1	40	2035	3	14	0.0204	0.612	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	40	2035	3	15	0.0326	1.576	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	40	2035	3	16	0.1830	8.244	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	40	2035	3	17	0.2100	9.925	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	40	2035	3	18	0.2446	13.864	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	40	2035	3	19	0.2642	14.975	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	40	2035	3	20	0.3267	21.160	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	40	2035	3	21	0.4052	26.238	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	40	2035	3	22	0.4640	60.418	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	40	2035	3	23	0.5097	100.828	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	40	2035	3	24	2.0266	17.393	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	40	2035	3	25	0.3206	8.731	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	40	2035	3	26	0.6768	66.151	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	40	2035	3	27	0.5022	13.676	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	40	2035	3	28	0.0378	1.661	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	41	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	41	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	41	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	41	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	41	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	41	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	41	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	41	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	41	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	41	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	41	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	41	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	41	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	41	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	41	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	41	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	41	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	41	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	41	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	41	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	41	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	41	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	41	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	41	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	41	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	41	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	41	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	41	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	41	2035	1	1	0.1180	3.541	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	41	2035	1	2	0.0942	3.785	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	41	2035	1	3	0.1400	5.626	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	41	2035	1	4	0.2151	8.136	8.0600	5.7548	37.8166	14.20
0.103547											

1	1	41	2035	1	5	0.2133	8.068	8.0600	5.7548	37.8166	14.20	0.047578
1	1	41	2035	1	6	0.0978	3.694	6.8800	4.9123	37.7707	10.13	0.027524
1	1	41	2035	1	7	0.0920	3.476	6.8800	4.9123	37.7707	9.39	0.000969
1	1	41	2035	1	8	0.0855	3.120	6.8800	4.9123	36.4932	9.35	0.000281
1	1	41	2035	1	9	0.0940	3.429	6.8800	4.9123	36.4931	8.01	0.000959
1	1	41	2035	1	10	0.0935	3.413	6.8800	4.9123	36.4932	8.14	0.001996
1	1	41	2035	1	11	0.0993	3.624	6.8800	4.9123	36.4932	7.45	0.000819
1	1	41	2035	1	12	0.1055	3.852	6.8800	4.9123	36.4932	7.07	0.000002
1	1	41	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2035	1	14	0.0198	0.596	7.2800	5.1979	30.0117	32.40	0.000028
1	1	41	2035	1	15	0.0373	1.800	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2035	1	16	0.0766	3.449	6.6500	4.7481	45.0549	12.96	0.008198
1	1	41	2035	1	17	0.0874	4.130	6.6500	4.7481	47.2522	11.66	0.002544
1	1	41	2035	1	18	0.1021	5.786	6.6500	4.7481	56.6821	10.20	0.002699
1	1	41	2035	1	19	0.1102	6.247	6.6500	4.7481	56.6821	9.88	0.001293
1	1	41	2035	1	20	0.1363	8.825	6.6500	4.7481	64.7605	8.71	0.006032
1	1	41	2035	1	21	0.1689	10.935	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2035	1	22	0.1933	25.170	6.6500	4.7481	130.2221	6.59	0.010278
1	1	41	2035	1	23	0.2123	41.994	6.6500	4.7481	197.8148	6.30	0.036527
1	1	41	2035	1	24	1.7644	15.143	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2035	1	25	0.1305	3.553	6.8800	4.9123	27.2301	6.45	0.000303
1	1	41	2035	1	26	0.1748	17.087	6.6500	4.7481	97.7390	4.36	0.003655
1	1	41	2035	1	27	0.2096	5.707	6.6500	4.7481	27.2301	6.18	0.007008
1	1	41	2035	1	28	0.0599	2.636	8.0600	5.7548	43.9743	17.00	0.002242
1	1	41	2035	2	1	10.0332	301.115	7.2800	5.3799	30.0117	24.10	0.281246
1	1	41	2035	2	2	8.0013	321.617	8.0600	5.7548	40.1957	18.50	0.101405
1	1	41	2035	2	3	8.5817	344.946	8.0600	5.7548	40.1957	18.50	0.337320
1	1	41	2035	2	4	10.0641	380.592	8.0600	5.7548	37.8166	14.20	0.103547
1	1	41	2035	2	5	10.3088	389.844	8.0600	5.7548	37.8166	14.20	0.047578
1	1	41	2035	2	6	4.4489	168.038	6.8800	4.9123	37.7707	10.13	0.027524
1	1	41	2035	2	7	5.7464	217.046	6.8800	4.9123	37.7707	9.39	0.000969
1	1	41	2035	2	8	5.5846	203.799	6.8800	4.9123	36.4932	9.35	0.000281
1	1	41	2035	2	9	6.5228	238.039	6.8800	4.9123	36.4931	8.01	0.000959
1	1	41	2035	2	10	6.4560	235.599	6.8800	4.9123	36.4932	8.14	0.001996
1	1	41	2035	2	11	7.6734	280.028	6.8800	4.9123	36.4932	7.45	0.000819
1	1	41	2035	2	12	8.1721	298.225	6.8800	4.9123	36.4932	7.07	0.000002
1	1	41	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2035	2	14	0.4474	13.428	7.2800	5.1979	30.0117	32.40	0.000028
1	1	41	2035	2	15	0.1920	9.273	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2035	2	16	0.0643	2.898	6.6500	4.7481	45.0549	12.96	0.008198
1	1	41	2035	2	17	0.0736	3.480	6.6500	4.7481	47.2522	11.66	0.002544
1	1	41	2035	2	18	0.0859	4.870	6.6500	4.7481	56.6821	10.20	0.002699
1	1	41	2035	2	19	0.0928	5.260	6.6500	4.7481	56.6821	9.88	0.001293
1	1	41	2035	2	20	0.0952	6.168	6.6500	4.7481	64.7605	8.71	0.006032
1	1	41	2035	2	21	0.1183	7.663	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2035	2	22	0.1630	21.227	6.6500	4.7481	130.2221	6.59	0.010278
1	1	41	2035	2	23	0.1787	35.353	6.6500	4.7481	197.8148	6.30	0.036527

1	1	41	2035	2	24	9.0251	77.455	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2035	2	25	9.3276	253.993	6.8800	4.9123	27.2301	6.45	0.000303
1	1	41	2035	2	26	0.2175	21.259	6.6500	4.7481	97.7390	4.36	0.003655
1	1	41	2035	2	27	0.1468	3.997	6.6500	4.7481	27.2301	6.18	0.007008
1	1	41	2035	2	28	0.2528	11.116	8.0600	5.7548	43.9743	17.00	0.002242
1	1	41	2035	3	1	0.1201	3.605	7.2800	5.3799	30.0117	24.10	0.281246
1	1	41	2035	3	2	0.1155	4.642	8.0600	5.7548	40.1957	18.50	0.101405
1	1	41	2035	3	3	0.1601	6.436	8.0600	5.7548	40.1957	18.50	0.337320
1	1	41	2035	3	4	0.2603	9.842	8.0600	5.7548	37.8166	14.20	0.103547
1	1	41	2035	3	5	0.2789	10.548	8.0600	5.7548	37.8166	14.20	0.047578
1	1	41	2035	3	6	0.1780	6.724	6.8800	4.9123	37.7707	10.13	0.027524
1	1	41	2035	3	7	0.2320	8.762	6.8800	4.9123	37.7707	9.39	0.000969
1	1	41	2035	3	8	0.2074	7.567	6.8800	4.9123	36.4932	9.35	0.000281
1	1	41	2035	3	9	0.2382	8.692	6.8800	4.9123	36.4931	8.01	0.000959
1	1	41	2035	3	10	0.2356	8.598	6.8800	4.9123	36.4932	8.14	0.001996
1	1	41	2035	3	11	0.2680	9.780	6.8800	4.9123	36.4932	7.45	0.000819
1	1	41	2035	3	12	0.2834	10.343	6.8800	4.9123	36.4932	7.07	0.000002
1	1	41	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	41	2035	3	14	0.0206	0.619	7.2800	5.1979	30.0117	32.40	0.000028
1	1	41	2035	3	15	0.0330	1.594	8.0600	5.7548	48.2848	22.10	0.004518
1	1	41	2035	3	16	0.1851	8.340	6.6500	4.7481	45.0549	12.96	0.008198
1	1	41	2035	3	17	0.2125	10.041	6.6500	4.7481	47.2522	11.66	0.002544
1	1	41	2035	3	18	0.2474	14.025	6.6500	4.7481	56.6821	10.20	0.002699
1	1	41	2035	3	19	0.2673	15.149	6.6500	4.7481	56.6821	9.88	0.001293
1	1	41	2035	3	20	0.3305	21.406	6.6500	4.7481	64.7605	8.71	0.006032
1	1	41	2035	3	21	0.4099	26.544	6.6500	4.7481	64.7605	7.53	0.008655
1	1	41	2035	3	22	0.4694	61.122	6.6500	4.7481	130.2221	6.59	0.010278
1	1	41	2035	3	23	0.5156	102.003	6.6500	4.7481	197.8148	6.30	0.036527
1	1	41	2035	3	24	2.0337	17.453	1.3500	0.9639	8.5822	50.00	0.002374
1	1	41	2035	3	25	0.3229	8.792	6.8800	4.9123	27.2301	6.45	0.000303
1	1	41	2035	3	26	0.6847	66.921	6.6500	4.7481	97.7390	4.36	0.003655
1	1	41	2035	3	27	0.5081	13.835	6.6500	4.7481	27.2301	6.18	0.007008
1	1	41	2035	3	28	0.0382	1.680	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	42	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	42	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	42	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	42	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	42	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	42	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	42	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	42	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	42	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	42	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	42	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	42	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028

1	1	42	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	42	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	42	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	42	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	42	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	42	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	42	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	42	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	42	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	42	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	42	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	42	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2035	1	1	0.1175	3.526	7.2800	5.3799	30.0117	24.10	0.281246
1	1	42	2035	1	2	0.0939	3.773	8.0600	5.7548	40.1957	18.50	0.101405
1	1	42	2035	1	3	0.1399	5.625	8.0600	5.7548	40.1957	18.50	0.337320
1	1	42	2035	1	4	0.2148	8.122	8.0600	5.7548	37.8166	14.20	0.103547
1	1	42	2035	1	5	0.2129	8.050	8.0600	5.7548	37.8166	14.20	0.047578
1	1	42	2035	1	6	0.0960	3.624	6.8800	4.9123	37.7707	10.13	0.027524
1	1	42	2035	1	7	0.0903	3.412	6.8800	4.9123	37.7707	9.39	0.000969
1	1	42	2035	1	8	0.0839	3.063	6.8800	4.9123	36.4932	9.35	0.000281
1	1	42	2035	1	9	0.0922	3.365	6.8800	4.9123	36.4931	8.01	0.000959
1	1	42	2035	1	10	0.0918	3.350	6.8800	4.9123	36.4932	8.14	0.001996
1	1	42	2035	1	11	0.0974	3.555	6.8800	4.9123	36.4932	7.45	0.000819
1	1	42	2035	1	12	0.1035	3.777	6.8800	4.9123	36.4932	7.07	0.000002
1	1	42	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2035	1	14	0.0196	0.589	7.2800	5.1979	30.0117	32.40	0.000028
1	1	42	2035	1	15	0.0368	1.779	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2035	1	16	0.0753	3.392	6.6500	4.7481	45.0549	12.96	0.008198
1	1	42	2035	1	17	0.0860	4.063	6.6500	4.7481	47.2522	11.66	0.002544
1	1	42	2035	1	18	0.1004	5.691	6.6500	4.7481	56.6821	10.20	0.002699
1	1	42	2035	1	19	0.1084	6.145	6.6500	4.7481	56.6821	9.88	0.001293
1	1	42	2035	1	20	0.1340	8.680	6.6500	4.7481	64.7605	8.71	0.006032
1	1	42	2035	1	21	0.1661	10.755	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2035	1	22	0.1901	24.756	6.6500	4.7481	130.2221	6.59	0.010278
1	1	42	2035	1	23	0.2088	41.303	6.6500	4.7481	197.8148	6.30	0.036527
1	1	42	2035	1	24	1.7543	15.055	1.3500	0.9639	8.5822	50.00	0.002374
1	1	42	2035	1	25	0.1279	3.483	6.8800	4.9123	27.2301	6.45	0.000303
1	1	42	2035	1	26	0.1720	16.806	6.6500	4.7481	97.7390	4.36	0.003655
1	1	42	2035	1	27	0.2061	5.613	6.6500	4.7481	27.2301	6.18	0.007008
1	1	42	2035	1	28	0.0593	2.607	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2035	2	1	10.0784	302.470	7.2800	5.3799	30.0117	24.10	0.281246
1	1	42	2035	2	2	8.0453	323.387	8.0600	5.7548	40.1957	18.50	0.101405
1	1	42	2035	2	3	8.6292	346.858	8.0600	5.7548	40.1957	18.50	0.337320
1	1	42	2035	2	4	10.1239	382.852	8.0600	5.7548	37.8166	14.20	0.103547
1	1	42	2035	2	5	10.3696	392.143	8.0600	5.7548	37.8166	14.20	0.047578

1	1	42	2035	2	6	4.4306	167.346	6.8800	4.9123	37.7707	10.13	0.027524
1	1	42	2035	2	7	5.7227	216.152	6.8800	4.9123	37.7707	9.39	0.000969
1	1	42	2035	2	8	5.5616	202.959	6.8800	4.9123	36.4932	9.35	0.000281
1	1	42	2035	2	9	6.4960	237.058	6.8800	4.9123	36.4931	8.01	0.000959
1	1	42	2035	2	10	6.4294	234.628	6.8800	4.9123	36.4932	8.14	0.001996
1	1	42	2035	2	11	7.6418	278.874	6.8800	4.9123	36.4932	7.45	0.000819
1	1	42	2035	2	12	8.1384	296.996	6.8800	4.9123	36.4932	7.07	0.000002
1	1	42	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2035	2	14	0.4451	13.358	7.2800	5.1979	30.0117	32.40	0.000028
1	1	42	2035	2	15	0.1909	9.216	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2035	2	16	0.0637	2.869	6.6500	4.7481	45.0549	12.96	0.008198
1	1	42	2035	2	17	0.0729	3.446	6.6500	4.7481	47.2522	11.66	0.002544
1	1	42	2035	2	18	0.0851	4.822	6.6500	4.7481	56.6821	10.20	0.002699
1	1	42	2035	2	19	0.0919	5.208	6.6500	4.7481	56.6821	9.88	0.001293
1	1	42	2035	2	20	0.0943	6.108	6.6500	4.7481	64.7605	8.71	0.006032
1	1	42	2035	2	21	0.1172	7.587	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2035	2	22	0.1614	21.018	6.6500	4.7481	130.2221	6.59	0.010278
1	1	42	2035	2	23	0.1770	35.005	6.6500	4.7481	197.8148	6.30	0.036527
1	1	42	2035	2	24	8.9290	76.631	1.3500	0.9639	8.5822	50.00	0.002374
1	1	42	2035	2	25	9.2892	252.946	6.8800	4.9123	27.2301	6.45	0.000303
1	1	42	2035	2	26	0.2154	21.049	6.6500	4.7481	97.7390	4.36	0.003655
1	1	42	2035	2	27	0.1454	3.958	6.6500	4.7481	27.2301	6.18	0.007008
1	1	42	2035	2	28	0.2513	11.051	8.0600	5.7548	43.9743	17.00	0.002242
1	1	42	2035	3	1	0.1207	3.624	7.2800	5.3799	30.0117	24.10	0.281246
1	1	42	2035	3	2	0.1161	4.667	8.0600	5.7548	40.1957	18.50	0.101405
1	1	42	2035	3	3	0.1609	6.467	8.0600	5.7548	40.1957	18.50	0.337320
1	1	42	2035	3	4	0.2613	9.882	8.0600	5.7548	37.8166	14.20	0.103547
1	1	42	2035	3	5	0.2798	10.581	8.0600	5.7548	37.8166	14.20	0.047578
1	1	42	2035	3	6	0.1792	6.768	6.8800	4.9123	37.7707	10.13	0.027524
1	1	42	2035	3	7	0.2335	8.819	6.8800	4.9123	37.7707	9.39	0.000969
1	1	42	2035	3	8	0.2087	7.617	6.8800	4.9123	36.4932	9.35	0.000281
1	1	42	2035	3	9	0.2398	8.749	6.8800	4.9123	36.4931	8.01	0.000959
1	1	42	2035	3	10	0.2372	8.655	6.8800	4.9123	36.4932	8.14	0.001996
1	1	42	2035	3	11	0.2698	9.845	6.8800	4.9123	36.4932	7.45	0.000819
1	1	42	2035	3	12	0.2853	10.411	6.8800	4.9123	36.4932	7.07	0.000002
1	1	42	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	42	2035	3	14	0.0208	0.625	7.2800	5.1979	30.0117	32.40	0.000028
1	1	42	2035	3	15	0.0334	1.611	8.0600	5.7548	48.2848	22.10	0.004518
1	1	42	2035	3	16	0.1871	8.432	6.6500	4.7481	45.0549	12.96	0.008198
1	1	42	2035	3	17	0.2148	10.151	6.6500	4.7481	47.2522	11.66	0.002544
1	1	42	2035	3	18	0.2502	14.180	6.6500	4.7481	56.6821	10.20	0.002699
1	1	42	2035	3	19	0.2702	15.316	6.6500	4.7481	56.6821	9.88	0.001293
1	1	42	2035	3	20	0.3342	21.642	6.6500	4.7481	64.7605	8.71	0.006032
1	1	42	2035	3	21	0.4144	26.836	6.6500	4.7481	64.7605	7.53	0.008655
1	1	42	2035	3	22	0.4745	61.795	6.6500	4.7481	130.2221	6.59	0.010278
1	1	42	2035	3	23	0.5213	103.125	6.6500	4.7481	197.8148	6.30	0.036527
1	1	42	2035	3	24	2.0404	17.511	1.3500	0.9639	8.5822	50.00	0.002374

1	1	42	2035	3	25	0.3250	8.850	6.8800	4.9123	27.2301	6.45	0.000303
1	1	42	2035	3	26	0.6922	67.658	6.6500	4.7481	97.7390	4.36	0.003655
1	1	42	2035	3	27	0.5137	13.988	6.6500	4.7481	27.2301	6.18	0.007008
1	1	42	2035	3	28	0.0386	1.698	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	43	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	43	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	43	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	43	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	43	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	43	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	43	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	43	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	43	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	43	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	43	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	43	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	43	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	43	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	43	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	43	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	43	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	43	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	43	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	43	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	43	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	43	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	43	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	43	2035	1	1	0.1168	3.506	7.2800	5.3799	30.0117	24.10	0.281246
1	1	43	2035	1	2	0.0935	3.758	8.0600	5.7548	40.1957	18.50	0.101405
1	1	43	2035	1	3	0.1398	5.621	8.0600	5.7548	40.1957	18.50	0.337320
1	1	43	2035	1	4	0.2143	8.104	8.0600	5.7548	37.8166	14.20	0.103547
1	1	43	2035	1	5	0.2122	8.025	8.0600	5.7548	37.8166	14.20	0.047578
1	1	43	2035	1	6	0.0943	3.560	6.8800	4.9123	37.7707	10.13	0.027524
1	1	43	2035	1	7	0.0887	3.352	6.8800	4.9123	37.7707	9.39	0.000969
1	1	43	2035	1	8	0.0825	3.011	6.8800	4.9123	36.4932	9.35	0.000281
1	1	43	2035	1	9	0.0906	3.307	6.8800	4.9123	36.4931	8.01	0.000959
1	1	43	2035	1	10	0.0902	3.292	6.8800	4.9123	36.4932	8.14	0.001996
1	1	43	2035	1	11	0.0957	3.494	6.8800	4.9123	36.4932	7.45	0.000819
1	1	43	2035	1	12	0.1017	3.711	6.8800	4.9123	36.4932	7.07	0.000002
1	1	43	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2035	1	14	0.0195	0.584	7.2800	5.1979	30.0117	32.40	0.000028
1	1	43	2035	1	15	0.0365	1.762	8.0600	5.7548	48.2848	22.10	0.004518

1	1	43	2035	1	16	0.0743	3.345	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	43	2035	1	17	0.0848	4.006	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	43	2035	1	18	0.0990	5.612	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	43	2035	1	19	0.1069	6.059	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	43	2035	1	20	0.1322	8.560	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	43	2035	1	21	0.1638	10.606	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	43	2035	1	22	0.1875	24.413	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	43	2035	1	23	0.2059	40.730	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	43	2035	1	24	1.7503	15.021	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	43	2035	1	25	0.1255	3.418	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	43	2035	1	26	0.1696	16.573	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	43	2035	1	27	0.2033	5.535	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	43	2035	1	28	0.0587	2.582	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	43	2035	2	1	10.1324	304.092	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	43	2035	2	2	8.0980	325.504	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	43	2035	2	3	8.6861	349.145	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	43	2035	2	4	10.1954	385.556	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	43	2035	2	5	10.4423	394.892	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	43	2035	2	6	4.4624	168.548	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	43	2035	2	7	5.7638	217.704	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	43	2035	2	8	5.6015	204.417	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	43	2035	2	9	6.5426	238.760	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	43	2035	2	10	6.4755	236.313	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	43	2035	2	11	7.6967	280.877	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	43	2035	2	12	8.1968	299.129	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	43	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	43	2035	2	14	0.4447	13.346	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	43	2035	2	15	0.1907	9.206	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	43	2035	2	16	0.0636	2.865	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	43	2035	2	17	0.0728	3.440	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	43	2035	2	18	0.0849	4.814	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	43	2035	2	19	0.0917	5.199	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	43	2035	2	20	0.0942	6.097	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	43	2035	2	21	0.1170	7.575	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	43	2035	2	22	0.1611	20.983	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	43	2035	2	23	0.1767	34.946	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	43	2035	2	24	8.8821	76.228	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	43	2035	2	25	9.3559	254.762	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	43	2035	2	26	0.2150	21.014	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	43	2035	2	27	0.1451	3.951	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	43	2035	2	28	0.2510	11.040	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	43	2035	3	1	0.1215	3.646	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	43	2035	3	2	0.1168	4.696	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	43	2035	3	3	0.1618	6.504	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	43	2035	3	4	0.2626	9.930	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	43	2035	3	5	0.2809	10.621	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	43	2035	3	6	0.1806	6.821	6.8800	4.9123	37.7707	10.13
0.027524											

1	1	43	2035	3	7	0.2353	8.889	6.8800	4.9123	37.7707	9.39	0.000969
1	1	43	2035	3	8	0.2104	7.677	6.8800	4.9123	36.4932	9.35	0.000281
1	1	43	2035	3	9	0.2416	8.818	6.8800	4.9123	36.4931	8.01	0.000959
1	1	43	2035	3	10	0.2390	8.723	6.8800	4.9123	36.4932	8.14	0.001996
1	1	43	2035	3	11	0.2719	9.922	6.8800	4.9123	36.4932	7.45	0.000819
1	1	43	2035	3	12	0.2875	10.492	6.8800	4.9123	36.4932	7.07	0.000002
1	1	43	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	43	2035	3	14	0.0213	0.639	7.2800	5.1979	30.0117	32.40	0.000028
1	1	43	2035	3	15	0.0341	1.646	8.0600	5.7548	48.2848	22.10	0.004518
1	1	43	2035	3	16	0.1913	8.619	6.6500	4.7481	45.0549	12.96	0.008198
1	1	43	2035	3	17	0.2196	10.377	6.6500	4.7481	47.2522	11.66	0.002544
1	1	43	2035	3	18	0.2557	14.494	6.6500	4.7481	56.6821	10.20	0.002699
1	1	43	2035	3	19	0.2762	15.656	6.6500	4.7481	56.6821	9.88	0.001293
1	1	43	2035	3	20	0.3416	22.122	6.6500	4.7481	64.7605	8.71	0.006032
1	1	43	2035	3	21	0.4236	27.432	6.6500	4.7481	64.7605	7.53	0.008655
1	1	43	2035	3	22	0.4851	63.167	6.6500	4.7481	130.2221	6.59	0.010278
1	1	43	2035	3	23	0.5329	105.415	6.6500	4.7481	197.8148	6.30	0.036527
1	1	43	2035	3	24	2.0656	17.728	1.3500	0.9639	8.5822	50.00	0.002374
1	1	43	2035	3	25	0.3276	8.919	6.8800	4.9123	27.2301	6.45	0.000303
1	1	43	2035	3	26	0.7076	69.160	6.6500	4.7481	97.7390	4.36	0.003655
1	1	43	2035	3	27	0.5251	14.298	6.6500	4.7481	27.2301	6.18	0.007008
1	1	43	2035	3	28	0.0394	1.734	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	44	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303

1	1	44	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2035	1	1	0.1162	3.487	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2035	1	2	0.0931	3.743	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2035	1	3	0.1397	5.617	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2035	1	4	0.2138	8.087	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2035	1	5	0.2116	8.002	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2035	1	6	0.0926	3.499	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2035	1	7	0.0872	3.295	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2035	1	8	0.0811	2.961	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2035	1	9	0.0891	3.252	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2035	1	10	0.0887	3.237	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2035	1	11	0.0941	3.435	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2035	1	12	0.1000	3.649	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2035	1	14	0.0193	0.579	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2035	1	15	0.0361	1.745	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2035	1	16	0.0732	3.300	6.6500	4.7481	45.0549	12.96	0.008198
1	1	44	2035	1	17	0.0836	3.952	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2035	1	18	0.0977	5.536	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2035	1	19	0.1055	5.978	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2035	1	20	0.1304	8.444	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2035	1	21	0.1616	10.463	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2035	1	22	0.1849	24.083	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2035	1	23	0.2031	40.181	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2035	1	24	1.7464	14.988	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2035	1	25	0.1232	3.355	6.8800	4.9123	27.2301	6.45	0.000303
1	1	44	2035	1	26	0.1673	16.350	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2035	1	27	0.2005	5.460	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2035	1	28	0.0582	2.558	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2035	2	1	10.1841	305.644	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2035	2	2	8.1484	327.530	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2035	2	3	8.7406	351.334	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2035	2	4	10.2638	388.144	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2035	2	5	10.5119	397.524	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2035	2	6	4.4929	169.698	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2035	2	7	5.8032	219.191	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2035	2	8	5.6398	205.812	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2035	2	9	6.5873	240.390	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2035	2	10	6.5198	237.926	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2035	2	11	7.7492	282.794	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2035	2	12	8.2528	301.171	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2035	2	14	0.4443	13.334	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2035	2	15	0.1905	9.197	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2035	2	16	0.0635	2.860	6.6500	4.7481	45.0549	12.96	0.008198

1	1	44	2035	2	17	0.0727	3.434	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2035	2	18	0.0848	4.806	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2035	2	19	0.0916	5.191	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2035	2	20	0.0940	6.088	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2035	2	21	0.1168	7.562	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2035	2	22	0.1609	20.949	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2035	2	23	0.1764	34.890	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2035	2	24	8.8371	75.842	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2035	2	25	9.4198	256.502	6.8800	4.9123	27.2301	6.45	0.000303
1	1	44	2035	2	26	0.2147	20.980	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2035	2	27	0.1449	3.945	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2035	2	28	0.2508	11.029	8.0600	5.7548	43.9743	17.00	0.002242
1	1	44	2035	3	1	0.1222	3.667	7.2800	5.3799	30.0117	24.10	0.281246
1	1	44	2035	3	2	0.1175	4.724	8.0600	5.7548	40.1957	18.50	0.101405
1	1	44	2035	3	3	0.1627	6.539	8.0600	5.7548	40.1957	18.50	0.337320
1	1	44	2035	3	4	0.2638	9.976	8.0600	5.7548	37.8166	14.20	0.103547
1	1	44	2035	3	5	0.2819	10.660	8.0600	5.7548	37.8166	14.20	0.047578
1	1	44	2035	3	6	0.1819	6.872	6.8800	4.9123	37.7707	10.13	0.027524
1	1	44	2035	3	7	0.2371	8.955	6.8800	4.9123	37.7707	9.39	0.000969
1	1	44	2035	3	8	0.2119	7.734	6.8800	4.9123	36.4932	9.35	0.000281
1	1	44	2035	3	9	0.2434	8.884	6.8800	4.9123	36.4931	8.01	0.000959
1	1	44	2035	3	10	0.2408	8.788	6.8800	4.9123	36.4932	8.14	0.001996
1	1	44	2035	3	11	0.2739	9.996	6.8800	4.9123	36.4932	7.45	0.000819
1	1	44	2035	3	12	0.2897	10.571	6.8800	4.9123	36.4932	7.07	0.000002
1	1	44	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	44	2035	3	14	0.0217	0.651	7.2800	5.1979	30.0117	32.40	0.000028
1	1	44	2035	3	15	0.0348	1.680	8.0600	5.7548	48.2848	22.10	0.004518
1	1	44	2035	3	16	0.1953	8.798	6.6500	4.7481	45.0549	12.96	0.008198
1	1	44	2035	3	17	0.2242	10.592	6.6500	4.7481	47.2522	11.66	0.002544
1	1	44	2035	3	18	0.2610	14.796	6.6500	4.7481	56.6821	10.20	0.002699
1	1	44	2035	3	19	0.2820	15.982	6.6500	4.7481	56.6821	9.88	0.001293
1	1	44	2035	3	20	0.3487	22.582	6.6500	4.7481	64.7605	8.71	0.006032
1	1	44	2035	3	21	0.4324	28.002	6.6500	4.7481	64.7605	7.53	0.008655
1	1	44	2035	3	22	0.4952	64.481	6.6500	4.7481	130.2221	6.59	0.010278
1	1	44	2035	3	23	0.5440	107.607	6.6500	4.7481	197.8148	6.30	0.036527
1	1	44	2035	3	24	2.0898	17.935	1.3500	0.9639	8.5822	50.00	0.002374
1	1	44	2035	3	25	0.3300	8.986	6.8800	4.9123	27.2301	6.45	0.000303
1	1	44	2035	3	26	0.7223	70.599	6.6500	4.7481	97.7390	4.36	0.003655
1	1	44	2035	3	27	0.5360	14.596	6.6500	4.7481	27.2301	6.18	0.007008
1	1	44	2035	3	28	0.0402	1.770	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969

1	1	45	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	45	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	45	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2035	1	1	0.1156	3.469	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2035	1	2	0.0928	3.728	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2035	1	3	0.1397	5.613	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2035	1	4	0.2134	8.070	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2035	1	5	0.2110	7.980	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2035	1	6	0.0911	3.441	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2035	1	7	0.0858	3.240	6.8800	4.9123	37.7707	9.39	0.000969
1	1	45	2035	1	8	0.0798	2.914	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2035	1	9	0.0877	3.199	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2035	1	10	0.0873	3.185	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2035	1	11	0.0926	3.379	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2035	1	12	0.0983	3.589	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2035	1	14	0.0191	0.574	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2035	1	15	0.0358	1.729	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2035	1	16	0.0723	3.257	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2035	1	17	0.0825	3.900	6.6500	4.7481	47.2522	11.66	0.002544
1	1	45	2035	1	18	0.0964	5.463	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2035	1	19	0.1041	5.899	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2035	1	20	0.1287	8.334	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2035	1	21	0.1594	10.326	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2035	1	22	0.1825	23.768	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2035	1	23	0.2005	39.655	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2035	1	24	1.7428	14.957	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2035	1	25	0.1210	3.295	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2035	1	26	0.1651	16.135	6.6500	4.7481	97.7390	4.36	0.003655

1	1	45	2035	1	27	0.1979	5.389	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2035	1	28	0.0577	2.536	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2035	2	1	10.2337	307.131	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2035	2	2	8.1967	329.473	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2035	2	3	8.7928	353.431	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2035	2	4	10.3294	390.624	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2035	2	5	10.5786	400.046	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2035	2	6	4.5220	170.801	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2035	2	7	5.8409	220.615	6.8800	4.9123	37.7707	9.39	0.000969
1	1	45	2035	2	8	5.6764	207.150	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2035	2	9	6.6301	241.952	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2035	2	10	6.5621	239.472	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2035	2	11	7.7996	284.632	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2035	2	12	8.3064	303.128	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2035	2	14	0.4439	13.323	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2035	2	15	0.1903	9.188	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2035	2	16	0.0634	2.855	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2035	2	17	0.0726	3.429	6.6500	4.7481	47.2522	11.66	0.002544
1	1	45	2035	2	18	0.0847	4.799	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2035	2	19	0.0914	5.183	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2035	2	20	0.0939	6.078	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2035	2	21	0.1166	7.551	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2035	2	22	0.1606	20.916	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2035	2	23	0.1761	34.836	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2035	2	24	8.7940	75.472	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2035	2	25	9.4810	258.168	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2035	2	26	0.2143	20.948	6.6500	4.7481	97.7390	4.36	0.003655
1	1	45	2035	2	27	0.1447	3.939	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2035	2	28	0.2506	11.019	8.0600	5.7548	43.9743	17.00	0.002242
1	1	45	2035	3	1	0.1229	3.687	7.2800	5.3799	30.0117	24.10	0.281246
1	1	45	2035	3	2	0.1182	4.751	8.0600	5.7548	40.1957	18.50	0.101405
1	1	45	2035	3	3	0.1635	6.573	8.0600	5.7548	40.1957	18.50	0.337320
1	1	45	2035	3	4	0.2650	10.020	8.0600	5.7548	37.8166	14.20	0.103547
1	1	45	2035	3	5	0.2829	10.696	8.0600	5.7548	37.8166	14.20	0.047578
1	1	45	2035	3	6	0.1832	6.921	6.8800	4.9123	37.7707	10.13	0.027524
1	1	45	2035	3	7	0.2388	9.018	6.8800	4.9123	37.7707	9.39	0.000969
1	1	45	2035	3	8	0.2134	7.789	6.8800	4.9123	36.4932	9.35	0.000281
1	1	45	2035	3	9	0.2452	8.947	6.8800	4.9123	36.4931	8.01	0.000959
1	1	45	2035	3	10	0.2425	8.850	6.8800	4.9123	36.4932	8.14	0.001996
1	1	45	2035	3	11	0.2758	10.067	6.8800	4.9123	36.4932	7.45	0.000819
1	1	45	2035	3	12	0.2917	10.645	6.8800	4.9123	36.4932	7.07	0.000002
1	1	45	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	45	2035	3	14	0.0221	0.664	7.2800	5.1979	30.0117	32.40	0.000028
1	1	45	2035	3	15	0.0355	1.712	8.0600	5.7548	48.2848	22.10	0.004518
1	1	45	2035	3	16	0.1991	8.970	6.6500	4.7481	45.0549	12.96	0.008198
1	1	45	2035	3	17	0.2285	10.799	6.6500	4.7481	47.2522	11.66	0.002544

1	1	45	2035	3	18	0.2661	15.085	6.6500	4.7481	56.6821	10.20	0.002699
1	1	45	2035	3	19	0.2875	16.294	6.6500	4.7481	56.6821	9.88	0.001293
1	1	45	2035	3	20	0.3555	23.023	6.6500	4.7481	64.7605	8.71	0.006032
1	1	45	2035	3	21	0.4408	28.549	6.6500	4.7481	64.7605	7.53	0.008655
1	1	45	2035	3	22	0.5048	65.740	6.6500	4.7481	130.2221	6.59	0.010278
1	1	45	2035	3	23	0.5546	109.708	6.6500	4.7481	197.8148	6.30	0.036527
1	1	45	2035	3	24	2.1129	18.133	1.3500	0.9639	8.5822	50.00	0.002374
1	1	45	2035	3	25	0.3323	9.050	6.8800	4.9123	27.2301	6.45	0.000303
1	1	45	2035	3	26	0.7364	71.977	6.6500	4.7481	97.7390	4.36	0.003655
1	1	45	2035	3	27	0.5465	14.881	6.6500	4.7481	27.2301	6.18	0.007008
1	1	45	2035	3	28	0.0410	1.803	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	46	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	46	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2035	1	1	0.1150	3.452	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2035	1	2	0.0924	3.715	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2035	1	3	0.1396	5.610	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2035	1	4	0.2130	8.054	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2035	1	5	0.2104	7.959	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2035	1	6	0.0896	3.385	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2035	1	7	0.0844	3.187	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2035	1	8	0.0786	2.868	6.8800	4.9123	36.4932	9.35	0.000281

1	1	46	2035	1	9	0.0863	3.148	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2035	1	10	0.0859	3.134	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2035	1	11	0.0911	3.325	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2035	1	12	0.0968	3.531	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2035	1	14	0.0190	0.570	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2035	1	15	0.0355	1.714	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2035	1	16	0.0714	3.216	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2035	1	17	0.0815	3.851	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2035	1	18	0.0952	5.394	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2035	1	19	0.1028	5.824	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2035	1	20	0.1270	8.228	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2035	1	21	0.1574	10.194	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2035	1	22	0.1802	23.465	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2035	1	23	0.1979	39.150	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2035	1	24	1.7393	14.927	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2035	1	25	0.1189	3.238	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2035	1	26	0.1630	15.930	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2035	1	27	0.1954	5.320	6.6500	4.7481	27.2301	6.18	0.007008
1	1	46	2035	1	28	0.0572	2.514	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2035	2	1	10.2812	308.558	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2035	2	2	8.2431	331.335	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2035	2	3	8.8428	355.443	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2035	2	4	10.3923	393.003	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2035	2	5	10.6425	402.465	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2035	2	6	4.5500	171.859	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2035	2	7	5.8771	221.981	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2035	2	8	5.7116	208.433	6.8800	4.9123	36.4932	9.35	0.000281
1	1	46	2035	2	9	6.6711	243.450	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2035	2	10	6.6028	240.955	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2035	2	11	7.8479	286.394	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2035	2	12	8.3579	305.005	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2035	2	14	0.4436	13.313	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2035	2	15	0.1901	9.180	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2035	2	16	0.0633	2.851	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2035	2	17	0.0725	3.424	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2035	2	18	0.0845	4.792	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2035	2	19	0.0913	5.175	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2035	2	20	0.0937	6.069	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2035	2	21	0.1164	7.540	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2035	2	22	0.1604	20.885	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2035	2	23	0.1758	34.784	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2035	2	24	8.7527	75.117	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2035	2	25	9.5397	259.767	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2035	2	26	0.2140	20.917	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2035	2	27	0.1444	3.933	6.6500	4.7481	27.2301	6.18	0.007008

1	1	46	2035	2	28	0.2504	11.009	8.0600	5.7548	43.9743	17.00	0.002242
1	1	46	2035	3	1	0.1235	3.707	7.2800	5.3799	30.0117	24.10	0.281246
1	1	46	2035	3	2	0.1188	4.777	8.0600	5.7548	40.1957	18.50	0.101405
1	1	46	2035	3	3	0.1643	6.606	8.0600	5.7548	40.1957	18.50	0.337320
1	1	46	2035	3	4	0.2661	10.062	8.0600	5.7548	37.8166	14.20	0.103547
1	1	46	2035	3	5	0.2838	10.732	8.0600	5.7548	37.8166	14.20	0.047578
1	1	46	2035	3	6	0.1845	6.968	6.8800	4.9123	37.7707	10.13	0.027524
1	1	46	2035	3	7	0.2404	9.079	6.8800	4.9123	37.7707	9.39	0.000969
1	1	46	2035	3	8	0.2149	7.841	6.8800	4.9123	36.4932	9.35	0.000281
1	1	46	2035	3	9	0.2468	9.007	6.8800	4.9123	36.4931	8.01	0.000959
1	1	46	2035	3	10	0.2441	8.910	6.8800	4.9123	36.4932	8.14	0.001996
1	1	46	2035	3	11	0.2777	10.134	6.8800	4.9123	36.4932	7.45	0.000819
1	1	46	2035	3	12	0.2937	10.717	6.8800	4.9123	36.4932	7.07	0.000002
1	1	46	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	46	2035	3	14	0.0225	0.676	7.2800	5.1979	30.0117	32.40	0.000028
1	1	46	2035	3	15	0.0361	1.743	8.0600	5.7548	48.2848	22.10	0.004518
1	1	46	2035	3	16	0.2027	9.135	6.6500	4.7481	45.0549	12.96	0.008198
1	1	46	2035	3	17	0.2327	10.998	6.6500	4.7481	47.2522	11.66	0.002544
1	1	46	2035	3	18	0.2710	15.362	6.6500	4.7481	56.6821	10.20	0.002699
1	1	46	2035	3	19	0.2927	16.593	6.6500	4.7481	56.6821	9.88	0.001293
1	1	46	2035	3	20	0.3620	23.446	6.6500	4.7481	64.7605	8.71	0.006032
1	1	46	2035	3	21	0.4489	29.073	6.6500	4.7481	64.7605	7.53	0.008655
1	1	46	2035	3	22	0.5141	66.947	6.6500	4.7481	130.2221	6.59	0.010278
1	1	46	2035	3	23	0.5648	111.724	6.6500	4.7481	197.8148	6.30	0.036527
1	1	46	2035	3	24	2.1351	18.324	1.3500	0.9639	8.5822	50.00	0.002374
1	1	46	2035	3	25	0.3346	9.111	6.8800	4.9123	27.2301	6.45	0.000303
1	1	46	2035	3	26	0.7499	73.299	6.6500	4.7481	97.7390	4.36	0.003655
1	1	46	2035	3	27	0.5565	15.154	6.6500	4.7481	27.2301	6.18	0.007008
1	1	46	2035	3	28	0.0417	1.835	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	47	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699

1	1	47	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2035	1	1	0.1144	3.435	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2035	1	2	0.0921	3.701	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2035	1	3	0.1395	5.607	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2035	1	4	0.2126	8.039	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2035	1	5	0.2099	7.938	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2035	1	6	0.0882	3.331	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2035	1	7	0.0830	3.137	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2035	1	8	0.0774	2.824	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2035	1	9	0.0849	3.099	6.8800	4.9123	36.4931	8.01	0.000959
1	1	47	2035	1	10	0.0846	3.086	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2035	1	11	0.0897	3.273	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2035	1	12	0.0952	3.476	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2035	1	14	0.0188	0.566	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2035	1	15	0.0352	1.699	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2035	1	16	0.0705	3.176	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2035	1	17	0.0805	3.803	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2035	1	18	0.0940	5.327	6.6500	4.7481	56.6821	10.20	0.002699
1	1	47	2035	1	19	0.1015	5.752	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2035	1	20	0.1255	8.126	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2035	1	21	0.1555	10.068	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2035	1	22	0.1780	23.175	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2035	1	23	0.1955	38.665	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2035	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2035	1	25	0.1169	3.183	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2035	1	26	0.1610	15.733	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2035	1	27	0.1930	5.254	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2035	1	28	0.0567	2.493	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2035	2	1	10.3269	309.927	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2035	2	2	8.2875	333.124	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2035	2	3	8.8909	357.375	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2035	2	4	10.4527	395.287	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2035	2	5	10.7039	404.787	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2035	2	6	4.5769	172.874	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2035	2	7	5.9118	223.292	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2035	2	8	5.7453	209.664	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2035	2	9	6.7105	244.889	6.8800	4.9123	36.4931	8.01	0.000959

1	1	47	2035	2	10	6.6418	242.379	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2035	2	11	7.8943	288.086	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2035	2	12	8.4072	306.807	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2035	2	14	0.4432	13.303	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2035	2	15	0.1900	9.172	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2035	2	16	0.0632	2.847	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2035	2	17	0.0724	3.419	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2035	2	18	0.0844	4.785	6.6500	4.7481	56.6821	10.20	0.002699
1	1	47	2035	2	19	0.0912	5.168	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2035	2	20	0.0936	6.061	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2035	2	21	0.1163	7.529	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2035	2	22	0.1602	20.856	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2035	2	23	0.1756	34.734	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2035	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2035	2	25	9.5961	261.302	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2035	2	26	0.2137	20.887	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2035	2	27	0.1442	3.928	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2035	2	28	0.2501	11.000	8.0600	5.7548	43.9743	17.00	0.002242
1	1	47	2035	3	1	0.1241	3.725	7.2800	5.3799	30.0117	24.10	0.281246
1	1	47	2035	3	2	0.1194	4.801	8.0600	5.7548	40.1957	18.50	0.101405
1	1	47	2035	3	3	0.1651	6.637	8.0600	5.7548	40.1957	18.50	0.337320
1	1	47	2035	3	4	0.2672	10.103	8.0600	5.7548	37.8166	14.20	0.103547
1	1	47	2035	3	5	0.2847	10.766	8.0600	5.7548	37.8166	14.20	0.047578
1	1	47	2035	3	6	0.1857	7.012	6.8800	4.9123	37.7707	10.13	0.027524
1	1	47	2035	3	7	0.2419	9.138	6.8800	4.9123	37.7707	9.39	0.000969
1	1	47	2035	3	8	0.2162	7.892	6.8800	4.9123	36.4932	9.35	0.000281
1	1	47	2035	3	9	0.2484	9.065	6.8800	4.9123	36.4931	8.01	0.000959
1	1	47	2035	3	10	0.2457	8.967	6.8800	4.9123	36.4932	8.14	0.001996
1	1	47	2035	3	11	0.2795	10.200	6.8800	4.9123	36.4932	7.45	0.000819
1	1	47	2035	3	12	0.2956	10.786	6.8800	4.9123	36.4932	7.07	0.000002
1	1	47	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	47	2035	3	14	0.0229	0.687	7.2800	5.1979	30.0117	32.40	0.000028
1	1	47	2035	3	15	0.0367	1.772	8.0600	5.7548	48.2848	22.10	0.004518
1	1	47	2035	3	16	0.2063	9.293	6.6500	4.7481	45.0549	12.96	0.008198
1	1	47	2035	3	17	0.2368	11.188	6.6500	4.7481	47.2522	11.66	0.002544
1	1	47	2035	3	18	0.2757	15.628	6.6500	4.7481	56.6821	10.20	0.002699
1	1	47	2035	3	19	0.2978	16.880	6.6500	4.7481	56.6821	9.88	0.001293
1	1	47	2035	3	20	0.3683	23.852	6.6500	4.7481	64.7605	8.71	0.006032
1	1	47	2035	3	21	0.4567	29.577	6.6500	4.7481	64.7605	7.53	0.008655
1	1	47	2035	3	22	0.5230	68.107	6.6500	4.7481	130.2221	6.59	0.010278
1	1	47	2035	3	23	0.5746	113.658	6.6500	4.7481	197.8148	6.30	0.036527
1	1	47	2035	3	24	2.1564	18.507	1.3500	0.9639	8.5822	50.00	0.002374
1	1	47	2035	3	25	0.3367	9.169	6.8800	4.9123	27.2301	6.45	0.000303
1	1	47	2035	3	26	0.7629	74.568	6.6500	4.7481	97.7390	4.36	0.003655
1	1	47	2035	3	27	0.5661	15.416	6.6500	4.7481	27.2301	6.18	0.007008
1	1	47	2035	3	28	0.0424	1.866	8.0600	5.7548	43.9743	17.00	0.002242

1	1	48	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	48	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	48	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2035	1	1	0.1137	3.413	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2035	1	2	0.0917	3.684	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2035	1	3	0.1394	5.601	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2035	1	4	0.2120	8.019	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2035	1	5	0.2092	7.912	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2035	1	6	0.0869	3.282	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2035	1	7	0.0818	3.090	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2035	1	8	0.0763	2.784	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2035	1	9	0.0838	3.057	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2035	1	10	0.0834	3.043	6.8800	4.9123	36.4932	8.14	0.001996
1	1	48	2035	1	11	0.0885	3.229	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2035	1	12	0.0940	3.429	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2035	1	14	0.0187	0.562	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2035	1	15	0.0350	1.688	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2035	1	16	0.0698	3.146	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2035	1	17	0.0797	3.768	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2035	1	18	0.0931	5.278	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2035	1	19	0.1005	5.699	6.6500	4.7481	56.6821	9.88	0.001293

1	1	48	2035	1	20	0.1243	8.050	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2035	1	21	0.1540	9.975	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2035	1	22	0.1763	22.960	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2035	1	23	0.1936	38.306	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2035	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2035	1	25	0.1150	3.131	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2035	1	26	0.1595	15.587	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2035	1	27	0.1912	5.206	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2035	1	28	0.0563	2.478	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2035	2	1	10.3805	311.536	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2035	2	2	8.3398	335.224	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2035	2	3	8.9473	359.643	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2035	2	4	10.5237	397.969	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2035	2	5	10.7761	407.515	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2035	2	6	4.6672	176.283	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2035	2	7	6.0284	227.696	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2035	2	8	5.8586	213.799	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2035	2	9	6.8429	249.719	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2035	2	10	6.7728	247.159	6.8800	4.9123	36.4932	8.14	0.001996
1	1	48	2035	2	11	8.0499	293.768	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2035	2	12	8.5731	312.858	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2035	2	14	0.4452	13.361	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2035	2	15	0.1909	9.219	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2035	2	16	0.0637	2.871	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2035	2	17	0.0730	3.447	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2035	2	18	0.0851	4.825	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2035	2	19	0.0919	5.211	6.6500	4.7481	56.6821	9.88	0.001293
1	1	48	2035	2	20	0.0944	6.111	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2035	2	21	0.1172	7.591	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2035	2	22	0.1615	21.029	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2035	2	23	0.1770	35.023	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2035	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2035	2	25	9.7853	266.455	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2035	2	26	0.2155	21.060	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2035	2	27	0.1454	3.960	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2035	2	28	0.2514	11.054	8.0600	5.7548	43.9743	17.00	0.002242
1	1	48	2035	3	1	0.1249	3.748	7.2800	5.3799	30.0117	24.10	0.281246
1	1	48	2035	3	2	0.1202	4.831	8.0600	5.7548	40.1957	18.50	0.101405
1	1	48	2035	3	3	0.1661	6.675	8.0600	5.7548	40.1957	18.50	0.337320
1	1	48	2035	3	4	0.2685	10.152	8.0600	5.7548	37.8166	14.20	0.103547
1	1	48	2035	3	5	0.2858	10.808	8.0600	5.7548	37.8166	14.20	0.047578
1	1	48	2035	3	6	0.1871	7.065	6.8800	4.9123	37.7707	10.13	0.027524
1	1	48	2035	3	7	0.2437	9.206	6.8800	4.9123	37.7707	9.39	0.000969
1	1	48	2035	3	8	0.2179	7.951	6.8800	4.9123	36.4932	9.35	0.000281
1	1	48	2035	3	9	0.2503	9.133	6.8800	4.9123	36.4931	8.01	0.000959
1	1	48	2035	3	10	0.2476	9.034	6.8800	4.9123	36.4932	8.14	0.001996

1	1	48	2035	3	11	0.2816	10.276	6.8800	4.9123	36.4932	7.45	0.000819
1	1	48	2035	3	12	0.2978	10.867	6.8800	4.9123	36.4932	7.07	0.000002
1	1	48	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	48	2035	3	14	0.0236	0.707	7.2800	5.1979	30.0117	32.40	0.000028
1	1	48	2035	3	15	0.0378	1.825	8.0600	5.7548	48.2848	22.10	0.004518
1	1	48	2035	3	16	0.2126	9.577	6.6500	4.7481	45.0549	12.96	0.008198
1	1	48	2035	3	17	0.2440	11.531	6.6500	4.7481	47.2522	11.66	0.002544
1	1	48	2035	3	18	0.2842	16.106	6.6500	4.7481	56.6821	10.20	0.002699
1	1	48	2035	3	19	0.3069	17.397	6.6500	4.7481	56.6821	9.88	0.001293
1	1	48	2035	3	20	0.3796	24.582	6.6500	4.7481	64.7605	8.71	0.006032
1	1	48	2035	3	21	0.4707	30.482	6.6500	4.7481	64.7605	7.53	0.008655
1	1	48	2035	3	22	0.5390	70.192	6.6500	4.7481	130.2221	6.59	0.010278
1	1	48	2035	3	23	0.5922	117.138	6.6500	4.7481	197.8148	6.30	0.036527
1	1	48	2035	3	24	2.2046	18.920	1.3500	0.9639	8.5822	50.00	0.002374
1	1	48	2035	3	25	0.3393	9.238	6.8800	4.9123	27.2301	6.45	0.000303
1	1	48	2035	3	26	0.7863	76.852	6.6500	4.7481	97.7390	4.36	0.003655
1	1	48	2035	3	27	0.5835	15.888	6.6500	4.7481	27.2301	6.18	0.007008
1	1	48	2035	3	28	0.0437	1.922	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	49	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	49	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2035	1	1	0.1130	3.392	7.2800	5.3799	30.0117	24.10	0.281246

1	1	49	2035	1	2	0.0913	3.668	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2035	1	3	0.1392	5.596	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2035	1	4	0.2115	7.999	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2035	1	5	0.2085	7.886	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2035	1	6	0.0857	3.236	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2035	1	7	0.0806	3.046	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2035	1	8	0.0752	2.746	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2035	1	9	0.0826	3.016	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2035	1	10	0.0823	3.002	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2035	1	11	0.0873	3.186	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2035	1	12	0.0927	3.385	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2035	1	14	0.0186	0.559	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2035	1	15	0.0347	1.677	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2035	1	16	0.0692	3.118	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2035	1	17	0.0790	3.734	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2035	1	18	0.0923	5.230	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2035	1	19	0.0996	5.647	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2035	1	20	0.1232	7.978	6.6500	4.7481	64.7605	8.71	0.006032
1	1	49	2035	1	21	0.1526	9.885	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2035	1	22	0.1747	22.753	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2035	1	23	0.1919	37.961	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2035	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2035	1	25	0.1132	3.082	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2035	1	26	0.1580	15.446	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2035	1	27	0.1894	5.159	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2035	1	28	0.0560	2.463	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2035	2	1	10.4320	313.082	7.2800	5.3799	30.0117	24.10	0.281246
1	1	49	2035	2	2	8.3900	337.243	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2035	2	3	9.0016	361.824	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2035	2	4	10.5918	400.548	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2035	2	5	10.8454	410.137	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2035	2	6	4.7540	179.562	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2035	2	7	6.1405	231.931	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2035	2	8	5.9676	217.775	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2035	2	9	6.9702	254.363	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2035	2	10	6.8987	251.756	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2035	2	11	8.1997	299.231	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2035	2	12	8.7325	318.676	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2035	2	14	0.4471	13.417	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2035	2	15	0.1919	9.264	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2035	2	16	0.0642	2.894	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2035	2	17	0.0735	3.475	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2035	2	18	0.0858	4.863	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2035	2	19	0.0927	5.252	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2035	2	20	0.0951	6.159	6.6500	4.7481	64.7605	8.71	0.006032

1	1	49	2035	2	21	0.1181	7.651	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2035	2	22	0.1628	21.195	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2035	2	23	0.1784	35.300	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2035	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2035	2	25	9.9673	271.411	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2035	2	26	0.2172	21.227	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2035	2	27	0.1466	3.991	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2035	2	28	0.2526	11.106	8.0600	5.7548	43.9743	17.00	0.002242
1	1	49	2035	3	1	0.1256	3.769	7.2800	5.3799	30.0117	24.10	0.281246
1	1	49	2035	3	2	0.1209	4.859	8.0600	5.7548	40.1957	18.50	0.101405
1	1	49	2035	3	3	0.1670	6.711	8.0600	5.7548	40.1957	18.50	0.337320
1	1	49	2035	3	4	0.2697	10.199	8.0600	5.7548	37.8166	14.20	0.103547
1	1	49	2035	3	5	0.2869	10.849	8.0600	5.7548	37.8166	14.20	0.047578
1	1	49	2035	3	6	0.1884	7.116	6.8800	4.9123	37.7707	10.13	0.027524
1	1	49	2035	3	7	0.2455	9.272	6.8800	4.9123	37.7707	9.39	0.000969
1	1	49	2035	3	8	0.2194	8.008	6.8800	4.9123	36.4932	9.35	0.000281
1	1	49	2035	3	9	0.2521	9.198	6.8800	4.9123	36.4931	8.01	0.000959
1	1	49	2035	3	10	0.2493	9.099	6.8800	4.9123	36.4932	8.14	0.001996
1	1	49	2035	3	11	0.2836	10.350	6.8800	4.9123	36.4932	7.45	0.000819
1	1	49	2035	3	12	0.2999	10.945	6.8800	4.9123	36.4932	7.07	0.000002
1	1	49	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	49	2035	3	14	0.0242	0.727	7.2800	5.1979	30.0117	32.40	0.000028
1	1	49	2035	3	15	0.0389	1.876	8.0600	5.7548	48.2848	22.10	0.004518
1	1	49	2035	3	16	0.2186	9.851	6.6500	4.7481	45.0549	12.96	0.008198
1	1	49	2035	3	17	0.2510	11.860	6.6500	4.7481	47.2522	11.66	0.002544
1	1	49	2035	3	18	0.2923	16.566	6.6500	4.7481	56.6821	10.20	0.002699
1	1	49	2035	3	19	0.3157	17.894	6.6500	4.7481	56.6821	9.88	0.001293
1	1	49	2035	3	20	0.3904	25.285	6.6500	4.7481	64.7605	8.71	0.006032
1	1	49	2035	3	21	0.4841	31.353	6.6500	4.7481	64.7605	7.53	0.008655
1	1	49	2035	3	22	0.5544	72.197	6.6500	4.7481	130.2221	6.59	0.010278
1	1	49	2035	3	23	0.6091	120.485	6.6500	4.7481	197.8148	6.30	0.036527
1	1	49	2035	3	24	2.2510	19.318	1.3500	0.9639	8.5822	50.00	0.002374
1	1	49	2035	3	25	0.3417	9.304	6.8800	4.9123	27.2301	6.45	0.000303
1	1	49	2035	3	26	0.8088	79.047	6.6500	4.7481	97.7390	4.36	0.003655
1	1	49	2035	3	27	0.6002	16.342	6.6500	4.7481	27.2301	6.18	0.007008
1	1	49	2035	3	28	0.0449	1.976	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	50	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819

1	1	50	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2035	1	1	0.1124	3.372	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2035	1	2	0.0909	3.652	8.0600	5.7548	40.1957	18.50	0.101405
1	1	50	2035	1	3	0.1391	5.591	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2035	1	4	0.2110	7.981	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2035	1	5	0.2079	7.862	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2035	1	6	0.0845	3.191	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2035	1	7	0.0795	3.003	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2035	1	8	0.0742	2.709	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2035	1	9	0.0816	2.976	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2035	1	10	0.0812	2.963	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2035	1	11	0.0862	3.145	6.8800	4.9123	36.4932	7.45	0.000819
1	1	50	2035	1	12	0.0916	3.341	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2035	1	14	0.0185	0.556	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2035	1	15	0.0345	1.667	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2035	1	16	0.0686	3.091	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2035	1	17	0.0783	3.701	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2035	1	18	0.0915	5.184	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2035	1	19	0.0988	5.598	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2035	1	20	0.1221	7.908	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2035	1	21	0.1513	9.798	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2035	1	22	0.1732	22.554	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2035	1	23	0.1902	37.629	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2035	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2035	1	25	0.1114	3.035	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2035	1	26	0.1567	15.311	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2035	1	27	0.1878	5.114	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2035	1	28	0.0557	2.449	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2035	2	1	10.4816	314.570	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2035	2	2	8.4384	339.186	8.0600	5.7548	40.1957	18.50	0.101405

1	1	50	2035	2	3	9.0538	363.923	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2035	2	4	10.6575	403.029	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2035	2	5	10.9121	412.660	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2035	2	6	4.8375	182.717	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2035	2	7	6.2484	236.006	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2035	2	8	6.0724	221.601	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2035	2	9	7.0926	258.832	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2035	2	10	7.0199	256.179	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2035	2	11	8.3437	304.489	6.8800	4.9123	36.4932	7.45	0.000819
1	1	50	2035	2	12	8.8859	324.275	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2035	2	14	0.4489	13.472	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2035	2	15	0.1928	9.307	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2035	2	16	0.0647	2.915	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2035	2	17	0.0741	3.501	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2035	2	18	0.0864	4.900	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2035	2	19	0.0934	5.292	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2035	2	20	0.0958	6.206	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2035	2	21	0.1190	7.709	6.6500	4.7481	64.7605	7.53	0.008655
1	1	50	2035	2	22	0.1640	21.355	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2035	2	23	0.1798	35.566	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2035	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2035	2	25	10.1424	276.179	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2035	2	26	0.2188	21.387	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2035	2	27	0.1477	4.022	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2035	2	28	0.2537	11.156	8.0600	5.7548	43.9743	17.00	0.002242
1	1	50	2035	3	1	0.1263	3.790	7.2800	5.3799	30.0117	24.10	0.281246
1	1	50	2035	3	2	0.1216	4.886	8.0600	5.7548	40.1957	18.50	0.101405
1	1	50	2035	3	3	0.1678	6.746	8.0600	5.7548	40.1957	18.50	0.337320
1	1	50	2035	3	4	0.2709	10.245	8.0600	5.7548	37.8166	14.20	0.103547
1	1	50	2035	3	5	0.2879	10.888	8.0600	5.7548	37.8166	14.20	0.047578
1	1	50	2035	3	6	0.1897	7.164	6.8800	4.9123	37.7707	10.13	0.027524
1	1	50	2035	3	7	0.2472	9.336	6.8800	4.9123	37.7707	9.39	0.000969
1	1	50	2035	3	8	0.2209	8.063	6.8800	4.9123	36.4932	9.35	0.000281
1	1	50	2035	3	9	0.2538	9.261	6.8800	4.9123	36.4931	8.01	0.000959
1	1	50	2035	3	10	0.2510	9.161	6.8800	4.9123	36.4932	8.14	0.001996
1	1	50	2035	3	11	0.2856	10.421	6.8800	4.9123	36.4932	7.45	0.000819
1	1	50	2035	3	12	0.3020	11.020	6.8800	4.9123	36.4932	7.07	0.000002
1	1	50	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	50	2035	3	14	0.0248	0.746	7.2800	5.1979	30.0117	32.40	0.000028
1	1	50	2035	3	15	0.0399	1.925	8.0600	5.7548	48.2848	22.10	0.004518
1	1	50	2035	3	16	0.2245	10.114	6.6500	4.7481	45.0549	12.96	0.008198
1	1	50	2035	3	17	0.2577	12.177	6.6500	4.7481	47.2522	11.66	0.002544
1	1	50	2035	3	18	0.3001	17.009	6.6500	4.7481	56.6821	10.20	0.002699
1	1	50	2035	3	19	0.3241	18.372	6.6500	4.7481	56.6821	9.88	0.001293
1	1	50	2035	3	20	0.4009	25.960	6.6500	4.7481	64.7605	8.71	0.006032
1	1	50	2035	3	21	0.4971	32.191	6.6500	4.7481	64.7605	7.53	0.008655

1	1	50	2035	3	22	0.5692	74.127	6.6500	4.7481	130.2221	6.59	0.010278
1	1	50	2035	3	23	0.6254	123.705	6.6500	4.7481	197.8148	6.30	0.036527
1	1	50	2035	3	24	2.2955	19.701	1.3500	0.9639	8.5822	50.00	0.002374
1	1	50	2035	3	25	0.3440	9.368	6.8800	4.9123	27.2301	6.45	0.000303
1	1	50	2035	3	26	0.8304	81.160	6.6500	4.7481	97.7390	4.36	0.003655
1	1	50	2035	3	27	0.6162	16.779	6.6500	4.7481	27.2301	6.18	0.007008
1	1	50	2035	3	28	0.0461	2.028	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	51	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	51	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2035	1	1	0.1117	3.353	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2035	1	2	0.0905	3.637	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2035	1	3	0.1390	5.587	8.0600	5.7548	40.1957	18.50	0.337320
1	1	51	2035	1	4	0.2106	7.963	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2035	1	5	0.2073	7.839	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2035	1	6	0.0834	3.148	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2035	1	7	0.0784	2.962	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2035	1	8	0.0733	2.674	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2035	1	9	0.0805	2.938	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2035	1	10	0.0802	2.925	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2035	1	11	0.0851	3.105	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2035	1	12	0.0904	3.300	6.8800	4.9123	36.4932	7.07	0.000002

1	1	51	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2035	1	14	0.0184	0.553	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2035	1	15	0.0343	1.658	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2035	1	16	0.0680	3.064	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2035	1	17	0.0777	3.670	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2035	1	18	0.0907	5.140	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2035	1	19	0.0979	5.550	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2035	1	20	0.1211	7.841	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2035	1	21	0.1500	9.715	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2035	1	22	0.1717	22.362	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2035	1	23	0.1886	37.309	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2035	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2035	1	25	0.1098	2.989	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2035	1	26	0.1553	15.181	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2035	1	27	0.1862	5.070	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2035	1	28	0.0554	2.435	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2035	2	1	10.5293	316.003	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2035	2	2	8.4849	341.057	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2035	2	3	9.1041	365.944	8.0600	5.7548	40.1957	18.50	0.337320
1	1	51	2035	2	4	10.7207	405.419	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2035	2	5	10.9764	415.090	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2035	2	6	4.9180	185.754	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2035	2	7	6.3523	239.930	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2035	2	8	6.1734	225.286	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2035	2	9	7.2105	263.135	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2035	2	10	7.1366	260.438	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2035	2	11	8.4824	309.551	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2035	2	12	9.0337	329.666	6.8800	4.9123	36.4932	7.07	0.000002
1	1	51	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2035	2	14	0.4506	13.524	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2035	2	15	0.1936	9.349	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2035	2	16	0.0652	2.936	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2035	2	17	0.0746	3.526	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2035	2	18	0.0871	4.935	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2035	2	19	0.0940	5.330	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2035	2	20	0.0965	6.251	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2035	2	21	0.1199	7.765	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2035	2	22	0.1652	21.509	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2035	2	23	0.1811	35.823	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2035	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2035	2	25	10.3110	280.771	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2035	2	26	0.2204	21.541	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2035	2	27	0.1488	4.051	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2035	2	28	0.2548	11.204	8.0600	5.7548	43.9743	17.00	0.002242
1	1	51	2035	3	1	0.1269	3.810	7.2800	5.3799	30.0117	24.10	0.281246
1	1	51	2035	3	2	0.1222	4.913	8.0600	5.7548	40.1957	18.50	0.101405
1	1	51	2035	3	3	0.1687	6.779	8.0600	5.7548	40.1957	18.50	0.337320

1	1	51	2035	3	4	0.2721	10.289	8.0600	5.7548	37.8166	14.20	0.103547
1	1	51	2035	3	5	0.2889	10.926	8.0600	5.7548	37.8166	14.20	0.047578
1	1	51	2035	3	6	0.1909	7.211	6.8800	4.9123	37.7707	10.13	0.027524
1	1	51	2035	3	7	0.2488	9.397	6.8800	4.9123	37.7707	9.39	0.000969
1	1	51	2035	3	8	0.2224	8.115	6.8800	4.9123	36.4932	9.35	0.000281
1	1	51	2035	3	9	0.2554	9.322	6.8800	4.9123	36.4931	8.01	0.000959
1	1	51	2035	3	10	0.2527	9.221	6.8800	4.9123	36.4932	8.14	0.001996
1	1	51	2035	3	11	0.2874	10.489	6.8800	4.9123	36.4932	7.45	0.000819
1	1	51	2035	3	12	0.3040	11.092	6.8800	4.9123	36.4932	7.07	0.000002
1	1	51	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	51	2035	3	14	0.0255	0.764	7.2800	5.1979	30.0117	32.40	0.000028
1	1	51	2035	3	15	0.0409	1.973	8.0600	5.7548	48.2848	22.10	0.004518
1	1	51	2035	3	16	0.2301	10.368	6.6500	4.7481	45.0549	12.96	0.008198
1	1	51	2035	3	17	0.2642	12.482	6.6500	4.7481	47.2522	11.66	0.002544
1	1	51	2035	3	18	0.3076	17.435	6.6500	4.7481	56.6821	10.20	0.002699
1	1	51	2035	3	19	0.3323	18.833	6.6500	4.7481	56.6821	9.88	0.001293
1	1	51	2035	3	20	0.4109	26.611	6.6500	4.7481	64.7605	8.71	0.006032
1	1	51	2035	3	21	0.5095	32.998	6.6500	4.7481	64.7605	7.53	0.008655
1	1	51	2035	3	22	0.5835	75.985	6.6500	4.7481	130.2221	6.59	0.010278
1	1	51	2035	3	23	0.6410	126.805	6.6500	4.7481	197.8148	6.30	0.036527
1	1	51	2035	3	24	2.3385	20.069	1.3500	0.9639	8.5822	50.00	0.002374
1	1	51	2035	3	25	0.3463	9.429	6.8800	4.9123	27.2301	6.45	0.000303
1	1	51	2035	3	26	0.8512	83.194	6.6500	4.7481	97.7390	4.36	0.003655
1	1	51	2035	3	27	0.6316	17.200	6.6500	4.7481	27.2301	6.18	0.007008
1	1	51	2035	3	28	0.0472	2.077	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	52	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	52	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	52	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	52	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	52	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	52	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	52	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	52	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	52	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	52	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	52	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	52	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	52	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	52	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	52	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	52	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	52	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	52	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	52	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278

1	1	52	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	52	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	52	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	52	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	52	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2035	1	1	0.1111	3.335	7.2800	5.3799	30.0117	24.10	0.281246
1	1	52	2035	1	2	0.0901	3.623	8.0600	5.7548	40.1957	18.50	0.101405
1	1	52	2035	1	3	0.1389	5.582	8.0600	5.7548	40.1957	18.50	0.337320
1	1	52	2035	1	4	0.2101	7.945	8.0600	5.7548	37.8166	14.20	0.103547
1	1	52	2035	1	5	0.2067	7.816	8.0600	5.7548	37.8166	14.20	0.047578
1	1	52	2035	1	6	0.0823	3.107	6.8800	4.9123	37.7707	10.13	0.027524
1	1	52	2035	1	7	0.0774	2.922	6.8800	4.9123	37.7707	9.39	0.000969
1	1	52	2035	1	8	0.0723	2.639	6.8800	4.9123	36.4932	9.35	0.000281
1	1	52	2035	1	9	0.0795	2.902	6.8800	4.9123	36.4931	8.01	0.000959
1	1	52	2035	1	10	0.0792	2.889	6.8800	4.9123	36.4932	8.14	0.001996
1	1	52	2035	1	11	0.0841	3.067	6.8800	4.9123	36.4932	7.45	0.000819
1	1	52	2035	1	12	0.0893	3.260	6.8800	4.9123	36.4932	7.07	0.000002
1	1	52	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	52	2035	1	14	0.0183	0.551	7.2800	5.1979	30.0117	32.40	0.000028
1	1	52	2035	1	15	0.0341	1.648	8.0600	5.7548	48.2848	22.10	0.004518
1	1	52	2035	1	16	0.0675	3.039	6.6500	4.7481	45.0549	12.96	0.008198
1	1	52	2035	1	17	0.0770	3.639	6.6500	4.7481	47.2522	11.66	0.002544
1	1	52	2035	1	18	0.0899	5.098	6.6500	4.7481	56.6821	10.20	0.002699
1	1	52	2035	1	19	0.0971	5.505	6.6500	4.7481	56.6821	9.88	0.001293
1	1	52	2035	1	20	0.1201	7.776	6.6500	4.7481	64.7605	8.71	0.006032
1	1	52	2035	1	21	0.1488	9.635	6.6500	4.7481	64.7605	7.53	0.008655
1	1	52	2035	1	22	0.1703	22.177	6.6500	4.7481	130.2221	6.59	0.010278
1	1	52	2035	1	23	0.1870	37.001	6.6500	4.7481	197.8148	6.30	0.036527
1	1	52	2035	1	24	1.7359	14.898	1.3500	0.9639	8.5822	50.00	0.002374
1	1	52	2035	1	25	0.1082	2.945	6.8800	4.9123	27.2301	6.45	0.000303
1	1	52	2035	1	26	0.1540	15.056	6.6500	4.7481	97.7390	4.36	0.003655
1	1	52	2035	1	27	0.1847	5.028	6.6500	4.7481	27.2301	6.18	0.007008
1	1	52	2035	1	28	0.0551	2.422	8.0600	5.7548	43.9743	17.00	0.002242
1	1	52	2035	2	1	10.5753	317.384	7.2800	5.3799	30.0117	24.10	0.281246
1	1	52	2035	2	2	8.5298	342.860	8.0600	5.7548	40.1957	18.50	0.101405
1	1	52	2035	2	3	9.1525	367.892	8.0600	5.7548	40.1957	18.50	0.337320
1	1	52	2035	2	4	10.7815	407.722	8.0600	5.7548	37.8166	14.20	0.103547
1	1	52	2035	2	5	11.0383	417.432	8.0600	5.7548	37.8166	14.20	0.047578
1	1	52	2035	2	6	4.9955	188.682	6.8800	4.9123	37.7707	10.13	0.027524
1	1	52	2035	2	7	6.4524	243.711	6.8800	4.9123	37.7707	9.39	0.000969
1	1	52	2035	2	8	6.2707	228.836	6.8800	4.9123	36.4932	9.35	0.000281
1	1	52	2035	2	9	7.3242	267.282	6.8800	4.9123	36.4931	8.01	0.000959
1	1	52	2035	2	10	7.2491	264.543	6.8800	4.9123	36.4932	8.14	0.001996
1	1	52	2035	2	11	8.6161	314.429	6.8800	4.9123	36.4932	7.45	0.000819
1	1	52	2035	2	12	9.1760	334.862	6.8800	4.9123	36.4932	7.07	0.000002
1	1	52	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000

1	1	52	2035	2	14	0.4523	13.574	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	52	2035	2	15	0.1945	9.390	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	52	2035	2	16	0.0656	2.957	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	52	2035	2	17	0.0751	3.551	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	52	2035	2	18	0.0877	4.969	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	52	2035	2	19	0.0947	5.367	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	52	2035	2	20	0.0972	6.294	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	52	2035	2	21	0.1207	7.818	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	52	2035	2	22	0.1663	21.658	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	52	2035	2	23	0.1823	36.071	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	52	2035	2	24	8.7130	74.777	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	52	2035	2	25	10.4735	285.196	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	52	2035	2	26	0.2219	21.690	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	52	2035	2	27	0.1498	4.079	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	52	2035	2	28	0.2558	11.250	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	52	2035	3	1	0.1276	3.829	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	52	2035	3	2	0.1228	4.938	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	52	2035	3	3	0.1695	6.812	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	52	2035	3	4	0.2732	10.331	8.0600	5.7548	37.8166	14.20
0.103547											
1	1	52	2035	3	5	0.2899	10.962	8.0600	5.7548	37.8166	14.20
0.047578											
1	1	52	2035	3	6	0.1921	7.257	6.8800	4.9123	37.7707	10.13
0.027524											
1	1	52	2035	3	7	0.2503	9.456	6.8800	4.9123	37.7707	9.39
0.000969											
1	1	52	2035	3	8	0.2238	8.166	6.8800	4.9123	36.4932	9.35
0.000281											
1	1	52	2035	3	9	0.2570	9.380	6.8800	4.9123	36.4931	8.01
0.000959											
1	1	52	2035	3	10	0.2543	9.279	6.8800	4.9123	36.4932	8.14
0.001996											
1	1	52	2035	3	11	0.2892	10.555	6.8800	4.9123	36.4932	7.45
0.000819											
1	1	52	2035	3	12	0.3059	11.162	6.8800	4.9123	36.4932	7.07
0.000002											
1	1	52	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00
0.000000											
1	1	52	2035	3	14	0.0260	0.781	7.2800	5.1979	30.0117	32.40
0.000028											
1	1	52	2035	3	15	0.0418	2.018	8.0600	5.7548	48.2848	22.10
0.004518											
1	1	52	2035	3	16	0.2355	10.612	6.6500	4.7481	45.0549	12.96
0.008198											
1	1	52	2035	3	17	0.2704	12.776	6.6500	4.7481	47.2522	11.66
0.002544											
1	1	52	2035	3	18	0.3148	17.846	6.6500	4.7481	56.6821	10.20
0.002699											
1	1	52	2035	3	19	0.3401	19.277	6.6500	4.7481	56.6821	9.88
0.001293											
1	1	52	2035	3	20	0.4206	27.238	6.6500	4.7481	64.7605	8.71
0.006032											
1	1	52	2035	3	21	0.5215	33.775	6.6500	4.7481	64.7605	7.53
0.008655											
1	1	52	2035	3	22	0.5973	77.775	6.6500	4.7481	130.2221	6.59
0.010278											
1	1	52	2035	3	23	0.6561	129.794	6.6500	4.7481	197.8148	6.30
0.036527											
1	1	52	2035	3	24	2.3799	20.425	1.3500	0.9639	8.5822	50.00
0.002374											
1	1	52	2035	3	25	0.3485	9.488	6.8800	4.9123	27.2301	6.45
0.000303											
1	1	52	2035	3	26	0.8712	85.154	6.6500	4.7481	97.7390	4.36
0.003655											
1	1	52	2035	3	27	0.6465	17.605	6.6500	4.7481	27.2301	6.18
0.007008											
1	1	52	2035	3	28	0.0483	2.125	8.0600	5.7548	43.9743	17.00
0.002242											
1	1	53	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10
0.281246											
1	1	53	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.101405											
1	1	53	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50
0.337320											
1	1	53	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20
0.103547											

1	1	53	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	53	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	53	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2035	1	1	0.1106	3.319	7.2800	5.3799	30.0117	24.10	0.281246
1	1	53	2035	1	2	0.0898	3.610	8.0600	5.7548	40.1957	18.50	0.101405
1	1	53	2035	1	3	0.1389	5.581	8.0600	5.7548	40.1957	18.50	0.337320
1	1	53	2035	1	4	0.2097	7.932	8.0600	5.7548	37.8166	14.20	0.103547
1	1	53	2035	1	5	0.2062	7.797	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2035	1	6	0.0816	3.081	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2035	1	7	0.0767	2.897	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2035	1	8	0.0717	2.618	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2035	1	9	0.0789	2.880	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2035	1	10	0.0786	2.867	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2035	1	11	0.0834	3.045	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2035	1	12	0.0887	3.237	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2035	1	14	0.0183	0.549	7.2800	5.1979	30.0117	32.40	0.000028
1	1	53	2035	1	15	0.0340	1.643	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2035	1	16	0.0671	3.025	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2035	1	17	0.0767	3.622	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2035	1	18	0.0895	5.074	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2035	1	19	0.0967	5.479	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2035	1	20	0.1195	7.740	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2035	1	21	0.1481	9.590	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2035	1	22	0.1695	22.074	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2035	1	23	0.1862	36.828	6.6500	4.7481	197.8148	6.30	0.036527

1	1	53	2035	1	24	1.8080	15.517	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2035	1	25	0.1071	2.916	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2035	1	26	0.1533	14.986	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2035	1	27	0.1838	5.005	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2035	1	28	0.0549	2.414	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2035	2	1	10.6286	318.982	7.2800	5.3799	30.0117	24.10	0.281246
1	1	53	2035	2	2	8.5817	344.946	8.0600	5.7548	40.1957	18.50	0.101405
1	1	53	2035	2	3	9.2086	370.145	8.0600	5.7548	40.1957	18.50	0.337320
1	1	53	2035	2	4	10.8520	410.386	8.0600	5.7548	37.8166	14.20	0.103547
1	1	53	2035	2	5	11.1100	420.141	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2035	2	6	5.1594	194.874	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2035	2	7	6.6641	251.709	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2035	2	8	6.4765	236.346	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2035	2	9	7.5645	276.054	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2035	2	10	7.4870	273.224	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2035	2	11	8.8989	324.749	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2035	2	12	9.4772	345.852	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2035	2	14	0.4568	13.710	7.2800	5.1979	30.0117	32.40	0.000028
1	1	53	2035	2	15	0.1967	9.499	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2035	2	16	0.0668	3.012	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2035	2	17	0.0765	3.617	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2035	2	18	0.0893	5.062	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2035	2	19	0.0964	5.466	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2035	2	20	0.0990	6.411	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2035	2	21	0.1230	7.964	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2035	2	22	0.1694	22.061	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2035	2	23	0.1857	36.742	6.6500	4.7481	197.8148	6.30	0.036527
1	1	53	2035	2	24	9.8564	84.590	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2035	2	25	10.8173	294.556	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2035	2	26	0.2260	22.094	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2035	2	27	0.1526	4.155	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2035	2	28	0.2587	11.376	8.0600	5.7548	43.9743	17.00	0.002242
1	1	53	2035	3	1	0.1283	3.851	7.2800	5.3799	30.0117	24.10	0.281246
1	1	53	2035	3	2	0.1236	4.968	8.0600	5.7548	40.1957	18.50	0.101405
1	1	53	2035	3	3	0.1704	6.850	8.0600	5.7548	40.1957	18.50	0.337320
1	1	53	2035	3	4	0.2745	10.381	8.0600	5.7548	37.8166	14.20	0.103547
1	1	53	2035	3	5	0.2910	11.006	8.0600	5.7548	37.8166	14.20	0.047578
1	1	53	2035	3	6	0.1935	7.309	6.8800	4.9123	37.7707	10.13	0.027524
1	1	53	2035	3	7	0.2521	9.524	6.8800	4.9123	37.7707	9.39	0.000969
1	1	53	2035	3	8	0.2254	8.225	6.8800	4.9123	36.4932	9.35	0.000281
1	1	53	2035	3	9	0.2589	9.448	6.8800	4.9123	36.4931	8.01	0.000959
1	1	53	2035	3	10	0.2561	9.346	6.8800	4.9123	36.4932	8.14	0.001996
1	1	53	2035	3	11	0.2913	10.631	6.8800	4.9123	36.4932	7.45	0.000819
1	1	53	2035	3	12	0.3081	11.242	6.8800	4.9123	36.4932	7.07	0.000002
1	1	53	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	53	2035	3	14	0.0270	0.811	7.2800	5.1979	30.0117	32.40	0.000028

1	1	53	2035	3	15	0.0434	2.096	8.0600	5.7548	48.2848	22.10	0.004518
1	1	53	2035	3	16	0.2448	11.029	6.6500	4.7481	45.0549	12.96	0.008198
1	1	53	2035	3	17	0.2810	13.278	6.6500	4.7481	47.2522	11.66	0.002544
1	1	53	2035	3	18	0.3272	18.547	6.6500	4.7481	56.6821	10.20	0.002699
1	1	53	2035	3	19	0.3534	20.034	6.6500	4.7481	56.6821	9.88	0.001293
1	1	53	2035	3	20	0.4371	28.308	6.6500	4.7481	64.7605	8.71	0.006032
1	1	53	2035	3	21	0.5420	35.102	6.6500	4.7481	64.7605	7.53	0.008655
1	1	53	2035	3	22	0.6207	80.829	6.6500	4.7481	130.2221	6.59	0.010278
1	1	53	2035	3	23	0.6819	134.890	6.6500	4.7481	197.8148	6.30	0.036527
1	1	53	2035	3	24	2.4278	20.836	1.3500	0.9639	8.5822	50.00	0.002374
1	1	53	2035	3	25	0.3510	9.557	6.8800	4.9123	27.2301	6.45	0.000303
1	1	53	2035	3	26	0.9055	88.498	6.6500	4.7481	97.7390	4.36	0.003655
1	1	53	2035	3	27	0.6719	18.296	6.6500	4.7481	27.2301	6.18	0.007008
1	1	53	2035	3	28	0.0502	2.207	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	54	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2035	1	1	0.1101	3.303	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2035	1	2	0.0895	3.598	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2035	1	3	0.1388	5.580	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2035	1	4	0.2094	7.919	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2035	1	5	0.2057	7.778	8.0600	5.7548	37.8166	14.20	0.047578

1	1	54	2035	1	6	0.0809	3.056	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2035	1	7	0.0760	2.872	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2035	1	8	0.0712	2.597	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2035	1	9	0.0783	2.858	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2035	1	10	0.0780	2.845	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2035	1	11	0.0829	3.023	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2035	1	12	0.0881	3.216	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2035	1	14	0.0182	0.547	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2035	1	15	0.0339	1.638	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2035	1	16	0.0668	3.011	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2035	1	17	0.0763	3.606	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2035	1	18	0.0891	5.051	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2035	1	19	0.0962	5.454	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2035	1	20	0.1190	7.705	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2035	1	21	0.1474	9.547	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2035	1	22	0.1687	21.974	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2035	1	23	0.1853	36.662	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2035	1	24	1.8775	16.114	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2035	1	25	0.1061	2.889	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2035	1	26	0.1526	14.918	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2035	1	27	0.1830	4.982	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2035	1	28	0.0547	2.407	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2035	2	1	10.6800	320.524	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2035	2	2	8.6318	346.960	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2035	2	3	9.2627	372.320	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2035	2	4	10.9200	412.957	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2035	2	5	11.1791	422.756	8.0600	5.7548	37.8166	14.20	0.047578
1	1	54	2035	2	6	5.3176	200.849	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2035	2	7	6.8685	259.427	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2035	2	8	6.6750	243.593	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2035	2	9	7.7965	284.518	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2035	2	10	7.7166	281.602	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2035	2	11	9.1717	334.706	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2035	2	12	9.7677	356.456	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2035	2	14	0.4612	13.842	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2035	2	15	0.1989	9.605	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2035	2	16	0.0680	3.065	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2035	2	17	0.0779	3.680	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2035	2	18	0.0909	5.151	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2035	2	19	0.0981	5.563	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2035	2	20	0.1007	6.524	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2035	2	21	0.1251	8.104	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2035	2	22	0.1724	22.450	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2035	2	23	0.1890	37.389	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2035	2	24	10.9598	94.059	1.3500	0.9639	8.5822	50.00	0.002374

1	1	54	2035	2	25	11.1489	303.587	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2035	2	26	0.2300	22.483	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2035	2	27	0.1553	4.228	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2035	2	28	0.2615	11.497	8.0600	5.7548	43.9743	17.00	0.002242
1	1	54	2035	3	1	0.1290	3.873	7.2800	5.3799	30.0117	24.10	0.281246
1	1	54	2035	3	2	0.1243	4.996	8.0600	5.7548	40.1957	18.50	0.101405
1	1	54	2035	3	3	0.1713	6.886	8.0600	5.7548	40.1957	18.50	0.337320
1	1	54	2035	3	4	0.2758	10.429	8.0600	5.7548	37.8166	14.20	0.103547
1	1	54	2035	3	5	0.2921	11.048	8.0600	5.7548	37.8166	14.20	0.047578
1	1	54	2035	3	6	0.1948	7.359	6.8800	4.9123	37.7707	10.13	0.027524
1	1	54	2035	3	7	0.2539	9.590	6.8800	4.9123	37.7707	9.39	0.000969
1	1	54	2035	3	8	0.2269	8.282	6.8800	4.9123	36.4932	9.35	0.000281
1	1	54	2035	3	9	0.2607	9.513	6.8800	4.9123	36.4931	8.01	0.000959
1	1	54	2035	3	10	0.2579	9.411	6.8800	4.9123	36.4932	8.14	0.001996
1	1	54	2035	3	11	0.2933	10.704	6.8800	4.9123	36.4932	7.45	0.000819
1	1	54	2035	3	12	0.3102	11.320	6.8800	4.9123	36.4932	7.07	0.000002
1	1	54	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	54	2035	3	14	0.0280	0.840	7.2800	5.1979	30.0117	32.40	0.000028
1	1	54	2035	3	15	0.0450	2.171	8.0600	5.7548	48.2848	22.10	0.004518
1	1	54	2035	3	16	0.2537	11.431	6.6500	4.7481	45.0549	12.96	0.008198
1	1	54	2035	3	17	0.2912	13.762	6.6500	4.7481	47.2522	11.66	0.002544
1	1	54	2035	3	18	0.3391	19.223	6.6500	4.7481	56.6821	10.20	0.002699
1	1	54	2035	3	19	0.3663	20.764	6.6500	4.7481	56.6821	9.88	0.001293
1	1	54	2035	3	20	0.4530	29.340	6.6500	4.7481	64.7605	8.71	0.006032
1	1	54	2035	3	21	0.5618	36.381	6.6500	4.7481	64.7605	7.53	0.008655
1	1	54	2035	3	22	0.6433	83.776	6.6500	4.7481	130.2221	6.59	0.010278
1	1	54	2035	3	23	0.7068	139.807	6.6500	4.7481	197.8148	6.30	0.036527
1	1	54	2035	3	24	2.4740	21.232	1.3500	0.9639	8.5822	50.00	0.002374
1	1	54	2035	3	25	0.3534	9.623	6.8800	4.9123	27.2301	6.45	0.000303
1	1	54	2035	3	26	0.9385	91.724	6.6500	4.7481	97.7390	4.36	0.003655
1	1	54	2035	3	27	0.6964	18.963	6.6500	4.7481	27.2301	6.18	0.007008
1	1	54	2035	3	28	0.0520	2.286	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	55	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518

1	1	55	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	55	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2035	1	1	0.1096	3.288	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2035	1	2	0.0892	3.587	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2035	1	3	0.1388	5.580	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2035	1	4	0.2091	7.906	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2035	1	5	0.2052	7.760	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2035	1	6	0.0803	3.032	6.8800	4.9123	37.7707	10.13	0.027524
1	1	55	2035	1	7	0.0754	2.848	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2035	1	8	0.0706	2.577	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2035	1	9	0.0778	2.838	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2035	1	10	0.0774	2.825	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2035	1	11	0.0823	3.003	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2035	1	12	0.0875	3.195	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2035	1	14	0.0182	0.546	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2035	1	15	0.0338	1.633	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2035	1	16	0.0665	2.998	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2035	1	17	0.0760	3.590	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2035	1	18	0.0887	5.029	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2035	1	19	0.0958	5.430	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2035	1	20	0.1185	7.671	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2035	1	21	0.1468	9.505	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2035	1	22	0.1680	21.878	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2035	1	23	0.1845	36.501	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2035	1	24	1.9447	16.690	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2035	1	25	0.1051	2.862	6.8800	4.9123	27.2301	6.45	0.000303
1	1	55	2035	1	26	0.1520	14.852	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2035	1	27	0.1822	4.960	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2035	1	28	0.0546	2.400	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2035	2	1	10.7296	322.012	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2035	2	2	8.6801	348.903	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2035	2	3	9.3149	374.419	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2035	2	4	10.9856	415.440	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2035	2	5	11.2458	425.280	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2035	2	6	5.4703	206.618	6.8800	4.9123	37.7707	10.13	0.027524

1	1	55	2035	2	7	7.0657	266.878	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2035	2	8	6.8668	250.589	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2035	2	9	8.0204	292.690	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2035	2	10	7.9382	289.690	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2035	2	11	9.4352	344.319	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2035	2	12	10.0483	366.694	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2035	2	14	0.4654	13.969	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2035	2	15	0.2010	9.707	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2035	2	16	0.0692	3.116	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2035	2	17	0.0792	3.742	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2035	2	18	0.0924	5.237	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2035	2	19	0.0998	5.656	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2035	2	20	0.1024	6.633	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2035	2	21	0.1272	8.240	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2035	2	22	0.1753	22.825	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2035	2	23	0.1922	38.014	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2035	2	24	12.0251	103.202	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2035	2	25	11.4692	312.307	6.8800	4.9123	27.2301	6.45	0.000303
1	1	55	2035	2	26	0.2339	22.859	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2035	2	27	0.1579	4.298	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2035	2	28	0.2641	11.614	8.0600	5.7548	43.9743	17.00	0.002242
1	1	55	2035	3	1	0.1297	3.894	7.2800	5.3799	30.0117	24.10	0.281246
1	1	55	2035	3	2	0.1250	5.024	8.0600	5.7548	40.1957	18.50	0.101405
1	1	55	2035	3	3	0.1722	6.921	8.0600	5.7548	40.1957	18.50	0.337320
1	1	55	2035	3	4	0.2770	10.476	8.0600	5.7548	37.8166	14.20	0.103547
1	1	55	2035	3	5	0.2932	11.089	8.0600	5.7548	37.8166	14.20	0.047578
1	1	55	2035	3	6	0.1961	7.408	6.8800	4.9123	37.7707	10.13	0.027524
1	1	55	2035	3	7	0.2556	9.653	6.8800	4.9123	37.7707	9.39	0.000969
1	1	55	2035	3	8	0.2284	8.337	6.8800	4.9123	36.4932	9.35	0.000281
1	1	55	2035	3	9	0.2624	9.576	6.8800	4.9123	36.4931	8.01	0.000959
1	1	55	2035	3	10	0.2596	9.473	6.8800	4.9123	36.4932	8.14	0.001996
1	1	55	2035	3	11	0.2953	10.775	6.8800	4.9123	36.4932	7.45	0.000819
1	1	55	2035	3	12	0.3122	11.395	6.8800	4.9123	36.4932	7.07	0.000002
1	1	55	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	55	2035	3	14	0.0289	0.868	7.2800	5.1979	30.0117	32.40	0.000028
1	1	55	2035	3	15	0.0465	2.243	8.0600	5.7548	48.2848	22.10	0.004518
1	1	55	2035	3	16	0.2623	11.819	6.6500	4.7481	45.0549	12.96	0.008198
1	1	55	2035	3	17	0.3011	14.229	6.6500	4.7481	47.2522	11.66	0.002544
1	1	55	2035	3	18	0.3507	19.876	6.6500	4.7481	56.6821	10.20	0.002699
1	1	55	2035	3	19	0.3788	21.469	6.6500	4.7481	56.6821	9.88	0.001293
1	1	55	2035	3	20	0.4684	30.336	6.6500	4.7481	64.7605	8.71	0.006032
1	1	55	2035	3	21	0.5809	37.617	6.6500	4.7481	64.7605	7.53	0.008655
1	1	55	2035	3	22	0.6652	86.621	6.6500	4.7481	130.2221	6.59	0.010278
1	1	55	2035	3	23	0.7308	144.555	6.6500	4.7481	197.8148	6.30	0.036527
1	1	55	2035	3	24	2.5186	21.615	1.3500	0.9639	8.5822	50.00	0.002374
1	1	55	2035	3	25	0.3557	9.687	6.8800	4.9123	27.2301	6.45	0.000303

1	1	55	2035	3	26	0.9703	94.839	6.6500	4.7481	97.7390	4.36	0.003655
1	1	55	2035	3	27	0.7201	19.607	6.6500	4.7481	27.2301	6.18	0.007008
1	1	55	2035	3	28	0.0537	2.362	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	56	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	56	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2035	1	1	0.1091	3.274	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2035	1	2	0.0889	3.575	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2035	1	3	0.1388	5.579	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2035	1	4	0.2088	7.894	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2035	1	5	0.2047	7.743	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2035	1	6	0.0797	3.009	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2035	1	7	0.0748	2.825	6.8800	4.9123	37.7707	9.39	0.000969
1	1	56	2035	1	8	0.0701	2.558	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2035	1	9	0.0772	2.818	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2035	1	10	0.0769	2.805	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2035	1	11	0.0817	2.983	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2035	1	12	0.0870	3.174	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2035	1	14	0.0181	0.545	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2035	1	15	0.0337	1.628	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2035	1	16	0.0663	2.985	6.6500	4.7481	45.0549	12.96	0.008198

1	1	56	2035	1	17	0.0757	3.575	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2035	1	18	0.0883	5.008	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2035	1	19	0.0954	5.407	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2035	1	20	0.1179	7.638	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2035	1	21	0.1461	9.464	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2035	1	22	0.1673	21.785	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2035	1	23	0.1837	36.346	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2035	1	24	2.0096	17.247	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2035	1	25	0.1042	2.836	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2035	1	26	0.1513	14.789	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2035	1	27	0.1814	4.939	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2035	1	28	0.0544	2.394	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2035	2	1	10.7775	323.451	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2035	2	2	8.7268	350.781	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2035	2	3	9.3654	376.447	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2035	2	4	11.0491	417.838	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2035	2	5	11.3103	427.719	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2035	2	6	5.6179	212.191	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2035	2	7	7.2563	274.077	6.8800	4.9123	37.7707	9.39	0.000969
1	1	56	2035	2	8	7.0520	257.349	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2035	2	9	8.2368	300.585	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2035	2	10	8.1523	297.504	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2035	2	11	9.6897	353.607	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2035	2	12	10.3193	376.585	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2035	2	14	0.4695	14.091	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2035	2	15	0.2031	9.805	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2035	2	16	0.0703	3.166	6.6500	4.7481	45.0549	12.96	0.008198
1	1	56	2035	2	17	0.0804	3.801	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2035	2	18	0.0939	5.320	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2035	2	19	0.1014	5.746	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2035	2	20	0.1040	6.738	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2035	2	21	0.1293	8.371	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2035	2	22	0.1781	23.188	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2035	2	23	0.1952	38.618	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2035	2	24	13.0543	112.035	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2035	2	25	11.7785	320.731	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2035	2	26	0.2376	23.222	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2035	2	27	0.1604	4.367	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2035	2	28	0.2667	11.727	8.0600	5.7548	43.9743	17.00	0.002242
1	1	56	2035	3	1	0.1304	3.914	7.2800	5.3799	30.0117	24.10	0.281246
1	1	56	2035	3	2	0.1256	5.050	8.0600	5.7548	40.1957	18.50	0.101405
1	1	56	2035	3	3	0.1730	6.956	8.0600	5.7548	40.1957	18.50	0.337320
1	1	56	2035	3	4	0.2782	10.521	8.0600	5.7548	37.8166	14.20	0.103547
1	1	56	2035	3	5	0.2943	11.128	8.0600	5.7548	37.8166	14.20	0.047578
1	1	56	2035	3	6	0.1974	7.455	6.8800	4.9123	37.7707	10.13	0.027524
1	1	56	2035	3	7	0.2572	9.714	6.8800	4.9123	37.7707	9.39	0.000969

1	1	56	2035	3	8	0.2299	8.390	6.8800	4.9123	36.4932	9.35	0.000281
1	1	56	2035	3	9	0.2641	9.637	6.8800	4.9123	36.4931	8.01	0.000959
1	1	56	2035	3	10	0.2612	9.533	6.8800	4.9123	36.4932	8.14	0.001996
1	1	56	2035	3	11	0.2971	10.844	6.8800	4.9123	36.4932	7.45	0.000819
1	1	56	2035	3	12	0.3142	11.467	6.8800	4.9123	36.4932	7.07	0.000002
1	1	56	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	56	2035	3	14	0.0298	0.895	7.2800	5.1979	30.0117	32.40	0.000028
1	1	56	2035	3	15	0.0479	2.313	8.0600	5.7548	48.2848	22.10	0.004518
1	1	56	2035	3	16	0.2706	12.194	6.6500	4.7481	45.0549	12.96	0.008198
1	1	56	2035	3	17	0.3107	14.681	6.6500	4.7481	47.2522	11.66	0.002544
1	1	56	2035	3	18	0.3618	20.507	6.6500	4.7481	56.6821	10.20	0.002699
1	1	56	2035	3	19	0.3908	22.150	6.6500	4.7481	56.6821	9.88	0.001293
1	1	56	2035	3	20	0.4833	31.299	6.6500	4.7481	64.7605	8.71	0.006032
1	1	56	2035	3	21	0.5993	38.810	6.6500	4.7481	64.7605	7.53	0.008655
1	1	56	2035	3	22	0.6863	89.370	6.6500	4.7481	130.2221	6.59	0.010278
1	1	56	2035	3	23	0.7539	149.142	6.6500	4.7481	197.8148	6.30	0.036527
1	1	56	2035	3	24	2.5617	21.985	1.3500	0.9639	8.5822	50.00	0.002374
1	1	56	2035	3	25	0.3580	9.748	6.8800	4.9123	27.2301	6.45	0.000303
1	1	56	2035	3	26	1.0011	97.848	6.6500	4.7481	97.7390	4.36	0.003655
1	1	56	2035	3	27	0.7429	20.229	6.6500	4.7481	27.2301	6.18	0.007008
1	1	56	2035	3	28	0.0554	2.435	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	57	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655

1	1	57	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2035	1	1	0.1086	3.260	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2035	1	2	0.0887	3.565	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2035	1	3	0.1388	5.578	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2035	1	4	0.2084	7.883	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2035	1	5	0.2043	7.726	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2035	1	6	0.0791	2.987	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2035	1	7	0.0742	2.803	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2035	1	8	0.0696	2.539	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2035	1	9	0.0767	2.799	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2035	1	10	0.0763	2.786	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2035	1	11	0.0812	2.963	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2035	1	12	0.0864	3.155	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2035	1	14	0.0181	0.543	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2035	1	15	0.0336	1.624	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2035	1	16	0.0660	2.973	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2035	1	17	0.0753	3.560	6.6500	4.7481	47.2522	11.66	0.002544
1	1	57	2035	1	18	0.0880	4.987	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2035	1	19	0.0950	5.385	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2035	1	20	0.1175	7.607	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2035	1	21	0.1455	9.425	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2035	1	22	0.1666	21.695	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2035	1	23	0.1830	36.196	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2035	1	24	2.0723	17.785	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2035	1	25	0.1032	2.811	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2035	1	26	0.1507	14.728	6.6500	4.7481	97.7390	4.36	0.003655
1	1	57	2035	1	27	0.1806	4.919	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2035	1	28	0.0543	2.387	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2035	2	1	10.8238	324.841	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2035	2	2	8.7720	352.596	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2035	2	3	9.4141	378.408	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2035	2	4	11.1104	420.157	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2035	2	5	11.3727	430.076	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2035	2	6	5.7605	217.579	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2035	2	7	7.4406	281.036	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2035	2	8	7.2310	263.883	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2035	2	9	8.4459	308.217	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2035	2	10	8.3593	305.058	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2035	2	11	9.9357	362.585	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2035	2	12	10.5814	386.147	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2035	2	14	0.4735	14.210	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2035	2	15	0.2050	9.900	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2035	2	16	0.0713	3.213	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2035	2	17	0.0817	3.859	6.6500	4.7481	47.2522	11.66	0.002544

1	1	57	2035	2	18	0.0953	5.400	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2035	2	19	0.1029	5.833	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2035	2	20	0.1056	6.840	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2035	2	21	0.1312	8.497	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2035	2	22	0.1808	23.538	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2035	2	23	0.1982	39.202	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2035	2	24	14.0492	120.573	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2035	2	25	12.0776	328.874	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2035	2	26	0.2412	23.573	6.6500	4.7481	97.7390	4.36	0.003655
1	1	57	2035	2	27	0.1628	4.433	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2035	2	28	0.2692	11.837	8.0600	5.7548	43.9743	17.00	0.002242
1	1	57	2035	3	1	0.1311	3.933	7.2800	5.3799	30.0117	24.10	0.281246
1	1	57	2035	3	2	0.1263	5.076	8.0600	5.7548	40.1957	18.50	0.101405
1	1	57	2035	3	3	0.1739	6.989	8.0600	5.7548	40.1957	18.50	0.337320
1	1	57	2035	3	4	0.2794	10.564	8.0600	5.7548	37.8166	14.20	0.103547
1	1	57	2035	3	5	0.2953	11.166	8.0600	5.7548	37.8166	14.20	0.047578
1	1	57	2035	3	6	0.1986	7.501	6.8800	4.9123	37.7707	10.13	0.027524
1	1	57	2035	3	7	0.2588	9.774	6.8800	4.9123	37.7707	9.39	0.000969
1	1	57	2035	3	8	0.2313	8.441	6.8800	4.9123	36.4932	9.35	0.000281
1	1	57	2035	3	9	0.2657	9.696	6.8800	4.9123	36.4931	8.01	0.000959
1	1	57	2035	3	10	0.2628	9.591	6.8800	4.9123	36.4932	8.14	0.001996
1	1	57	2035	3	11	0.2990	10.910	6.8800	4.9123	36.4932	7.45	0.000819
1	1	57	2035	3	12	0.3161	11.537	6.8800	4.9123	36.4932	7.07	0.000002
1	1	57	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	57	2035	3	14	0.0307	0.921	7.2800	5.1979	30.0117	32.40	0.000028
1	1	57	2035	3	15	0.0493	2.381	8.0600	5.7548	48.2848	22.10	0.004518
1	1	57	2035	3	16	0.2787	12.557	6.6500	4.7481	45.0549	12.96	0.008198
1	1	57	2035	3	17	0.3199	15.117	6.6500	4.7481	47.2522	11.66	0.002544
1	1	57	2035	3	18	0.3725	21.116	6.6500	4.7481	56.6821	10.20	0.002699
1	1	57	2035	3	19	0.4024	22.809	6.6500	4.7481	56.6821	9.88	0.001293
1	1	57	2035	3	20	0.4977	32.229	6.6500	4.7481	64.7605	8.71	0.006032
1	1	57	2035	3	21	0.6171	39.964	6.6500	4.7481	64.7605	7.53	0.008655
1	1	57	2035	3	22	0.7067	92.026	6.6500	4.7481	130.2221	6.59	0.010278
1	1	57	2035	3	23	0.7764	153.576	6.6500	4.7481	197.8148	6.30	0.036527
1	1	57	2035	3	24	2.6034	22.343	1.3500	0.9639	8.5822	50.00	0.002374
1	1	57	2035	3	25	0.3602	9.808	6.8800	4.9123	27.2301	6.45	0.000303
1	1	57	2035	3	26	1.0309	100.758	6.6500	4.7481	97.7390	4.36	0.003655
1	1	57	2035	3	27	0.7650	20.831	6.6500	4.7481	27.2301	6.18	0.007008
1	1	57	2035	3	28	0.0570	2.506	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281

1	1	58	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	58	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	58	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2035	1	1	0.1082	3.248	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2035	1	2	0.0884	3.555	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2035	1	3	0.1388	5.581	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2035	1	4	0.2082	7.874	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2035	1	5	0.2039	7.711	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2035	1	6	0.0789	2.981	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2035	1	7	0.0740	2.796	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2035	1	8	0.0694	2.533	6.8800	4.9123	36.4932	9.35	0.000281
1	1	58	2035	1	9	0.0766	2.795	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2035	1	10	0.0762	2.782	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2035	1	11	0.0811	2.961	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2035	1	12	0.0864	3.153	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2035	1	14	0.0181	0.543	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2035	1	15	0.0336	1.624	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2035	1	16	0.0660	2.973	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2035	1	17	0.0753	3.560	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2035	1	18	0.0880	4.987	6.6500	4.7481	56.6821	10.20	0.002699
1	1	58	2035	1	19	0.0950	5.385	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2035	1	20	0.1175	7.607	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2035	1	21	0.1455	9.425	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2035	1	22	0.1666	21.695	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2035	1	23	0.1830	36.196	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2035	1	24	2.1440	18.400	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2035	1	25	0.1029	2.802	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2035	1	26	0.1507	14.728	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2035	1	27	0.1806	4.919	6.6500	4.7481	27.2301	6.18	0.007008

1	1	58	2035	1	28	0.0543	2.387	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2035	2	1	10.8768	326.430	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2035	2	2	8.8236	354.672	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2035	2	3	9.4699	380.649	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2035	2	4	11.1804	422.807	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2035	2	5	11.4439	432.771	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2035	2	6	6.0286	227.704	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2035	2	7	7.7868	294.114	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2035	2	8	7.5675	276.163	6.8800	4.9123	36.4932	9.35	0.000281
1	1	58	2035	2	9	8.8389	322.560	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2035	2	10	8.7483	319.254	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2035	2	11	10.3981	379.458	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2035	2	12	11.0738	404.116	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2035	2	14	0.4812	14.443	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2035	2	15	0.2089	10.087	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2035	2	16	0.0734	3.307	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2035	2	17	0.0841	3.972	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2035	2	18	0.0981	5.559	6.6500	4.7481	56.6821	10.20	0.002699
1	1	58	2035	2	19	0.1059	6.003	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2035	2	20	0.1087	7.040	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2035	2	21	0.1351	8.746	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2035	2	22	0.1860	24.227	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2035	2	23	0.2040	40.350	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2035	2	24	15.1864	130.333	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2035	2	25	12.6396	344.178	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2035	2	26	0.2482	24.264	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2035	2	27	0.1676	4.563	6.6500	4.7481	27.2301	6.18	0.007008
1	1	58	2035	2	28	0.2741	12.052	8.0600	5.7548	43.9743	17.00	0.002242
1	1	58	2035	3	1	0.1318	3.955	7.2800	5.3799	30.0117	24.10	0.281246
1	1	58	2035	3	2	0.1270	5.105	8.0600	5.7548	40.1957	18.50	0.101405
1	1	58	2035	3	3	0.1748	7.026	8.0600	5.7548	40.1957	18.50	0.337320
1	1	58	2035	3	4	0.2807	10.614	8.0600	5.7548	37.8166	14.20	0.103547
1	1	58	2035	3	5	0.2964	11.210	8.0600	5.7548	37.8166	14.20	0.047578
1	1	58	2035	3	6	0.2000	7.553	6.8800	4.9123	37.7707	10.13	0.027524
1	1	58	2035	3	7	0.2606	9.841	6.8800	4.9123	37.7707	9.39	0.000969
1	1	58	2035	3	8	0.2329	8.500	6.8800	4.9123	36.4932	9.35	0.000281
1	1	58	2035	3	9	0.2675	9.763	6.8800	4.9123	36.4931	8.01	0.000959
1	1	58	2035	3	10	0.2646	9.658	6.8800	4.9123	36.4932	8.14	0.001996
1	1	58	2035	3	11	0.3010	10.985	6.8800	4.9123	36.4932	7.45	0.000819
1	1	58	2035	3	12	0.3183	11.617	6.8800	4.9123	36.4932	7.07	0.000002
1	1	58	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	58	2035	3	14	0.0321	0.964	7.2800	5.1979	30.0117	32.40	0.000028
1	1	58	2035	3	15	0.0516	2.494	8.0600	5.7548	48.2848	22.10	0.004518
1	1	58	2035	3	16	0.2921	13.161	6.6500	4.7481	45.0549	12.96	0.008198
1	1	58	2035	3	17	0.3353	15.845	6.6500	4.7481	47.2522	11.66	0.002544
1	1	58	2035	3	18	0.3905	22.133	6.6500	4.7481	56.6821	10.20	0.002699

1	1	58	2035	3	19	0.4218	23.907	6.6500	4.7481	56.6821	9.88	0.001293
1	1	58	2035	3	20	0.5216	33.781	6.6500	4.7481	64.7605	8.71	0.006032
1	1	58	2035	3	21	0.6468	41.889	6.6500	4.7481	64.7605	7.53	0.008655
1	1	58	2035	3	22	0.7407	96.459	6.6500	4.7481	130.2221	6.59	0.010278
1	1	58	2035	3	23	0.8138	160.972	6.6500	4.7481	197.8148	6.30	0.036527
1	1	58	2035	3	24	2.6510	22.751	1.3500	0.9639	8.5822	50.00	0.002374
1	1	58	2035	3	25	0.3627	9.876	6.8800	4.9123	27.2301	6.45	0.000303
1	1	58	2035	3	26	1.0805	105.610	6.6500	4.7481	97.7390	4.36	0.003655
1	1	58	2035	3	27	0.8018	21.834	6.6500	4.7481	27.2301	6.18	0.007008
1	1	58	2035	3	28	0.0597	2.625	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	59	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2035	1	1	0.1078	3.237	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2035	1	2	0.0882	3.546	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2035	1	3	0.1389	5.583	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2035	1	4	0.2080	7.866	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2035	1	5	0.2035	7.697	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2035	1	6	0.0788	2.975	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2035	1	7	0.0738	2.789	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2035	1	8	0.0693	2.528	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2035	1	9	0.0765	2.791	6.8800	4.9123	36.4931	8.01	0.000959

1	1	59	2035	1	10	0.0761	2.778	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2035	1	11	0.0811	2.958	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2035	1	12	0.0864	3.152	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2035	1	14	0.0181	0.543	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2035	1	15	0.0336	1.624	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2035	1	16	0.0660	2.973	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2035	1	17	0.0753	3.560	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2035	1	18	0.0880	4.987	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2035	1	19	0.0950	5.385	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2035	1	20	0.1175	7.607	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2035	1	21	0.1455	9.425	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2035	1	22	0.1666	21.695	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2035	1	23	0.1830	36.196	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2035	1	24	2.2134	18.996	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2035	1	25	0.1026	2.794	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2035	1	26	0.1507	14.728	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2035	1	27	0.1806	4.919	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2035	1	28	0.0543	2.387	8.0600	5.7548	43.9743	17.00	0.002242
1	1	59	2035	2	1	10.9280	327.968	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2035	2	2	8.8736	356.680	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2035	2	3	9.5239	382.818	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2035	2	4	11.2483	425.371	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2035	2	5	11.5129	435.379	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2035	2	6	6.2880	237.502	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2035	2	7	8.1219	306.770	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2035	2	8	7.8932	288.046	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2035	2	9	9.2193	336.440	6.8800	4.9123	36.4931	8.01	0.000959
1	1	59	2035	2	10	9.1248	332.991	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2035	2	11	10.8455	395.786	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2035	2	12	11.5503	421.505	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2035	2	14	0.4887	14.668	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2035	2	15	0.2127	10.269	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2035	2	16	0.0754	3.399	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2035	2	17	0.0864	4.081	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2035	2	18	0.1008	5.712	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2035	2	19	0.1088	6.169	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2035	2	20	0.1117	7.234	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2035	2	21	0.1388	8.987	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2035	2	22	0.1912	24.894	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2035	2	23	0.2096	41.461	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2035	2	24	16.2869	139.778	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2035	2	25	13.1835	358.989	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2035	2	26	0.2551	24.932	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2035	2	27	0.1722	4.688	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2035	2	28	0.2788	12.260	8.0600	5.7548	43.9743	17.00	0.002242

1	1	59	2035	3	1	0.1325	3.977	7.2800	5.3799	30.0117	24.10	0.281246
1	1	59	2035	3	2	0.1277	5.134	8.0600	5.7548	40.1957	18.50	0.101405
1	1	59	2035	3	3	0.1757	7.063	8.0600	5.7548	40.1957	18.50	0.337320
1	1	59	2035	3	4	0.2819	10.662	8.0600	5.7548	37.8166	14.20	0.103547
1	1	59	2035	3	5	0.2975	11.252	8.0600	5.7548	37.8166	14.20	0.047578
1	1	59	2035	3	6	0.2013	7.603	6.8800	4.9123	37.7707	10.13	0.027524
1	1	59	2035	3	7	0.2623	9.907	6.8800	4.9123	37.7707	9.39	0.000969
1	1	59	2035	3	8	0.2345	8.556	6.8800	4.9123	36.4932	9.35	0.000281
1	1	59	2035	3	9	0.2693	9.828	6.8800	4.9123	36.4931	8.01	0.000959
1	1	59	2035	3	10	0.2664	9.722	6.8800	4.9123	36.4932	8.14	0.001996
1	1	59	2035	3	11	0.3030	11.059	6.8800	4.9123	36.4932	7.45	0.000819
1	1	59	2035	3	12	0.3205	11.695	6.8800	4.9123	36.4932	7.07	0.000002
1	1	59	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	59	2035	3	14	0.0335	1.006	7.2800	5.1979	30.0117	32.40	0.000028
1	1	59	2035	3	15	0.0539	2.603	8.0600	5.7548	48.2848	22.10	0.004518
1	1	59	2035	3	16	0.3051	13.747	6.6500	4.7481	45.0549	12.96	0.008198
1	1	59	2035	3	17	0.3502	16.550	6.6500	4.7481	47.2522	11.66	0.002544
1	1	59	2035	3	18	0.4078	23.118	6.6500	4.7481	56.6821	10.20	0.002699
1	1	59	2035	3	19	0.4405	24.971	6.6500	4.7481	56.6821	9.88	0.001293
1	1	59	2035	3	20	0.5448	35.284	6.6500	4.7481	64.7605	8.71	0.006032
1	1	59	2035	3	21	0.6756	43.752	6.6500	4.7481	64.7605	7.53	0.008655
1	1	59	2035	3	22	0.7737	100.748	6.6500	4.7481	130.2221	6.59	0.010278
1	1	59	2035	3	23	0.8499	168.130	6.6500	4.7481	197.8148	6.30	0.036527
1	1	59	2035	3	24	2.6971	23.147	1.3500	0.9639	8.5822	50.00	0.002374
1	1	59	2035	3	25	0.3651	9.941	6.8800	4.9123	27.2301	6.45	0.000303
1	1	59	2035	3	26	1.1286	110.306	6.6500	4.7481	97.7390	4.36	0.003655
1	1	59	2035	3	27	0.8375	22.805	6.6500	4.7481	27.2301	6.18	0.007008
1	1	59	2035	3	28	0.0623	2.740	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	60	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293

1	1	60	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2035	1	1	0.1075	3.225	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2035	1	2	0.0880	3.538	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2035	1	3	0.1390	5.586	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2035	1	4	0.2078	7.858	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2035	1	5	0.2032	7.684	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2035	1	6	0.0786	2.969	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2035	1	7	0.0737	2.782	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2035	1	8	0.0691	2.522	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2035	1	9	0.0764	2.788	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2035	1	10	0.0760	2.775	6.8800	4.9123	36.4932	8.14	0.001996
1	1	60	2035	1	11	0.0810	2.956	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2035	1	12	0.0864	3.151	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2035	1	14	0.0181	0.543	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2035	1	15	0.0336	1.624	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2035	1	16	0.0660	2.973	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2035	1	17	0.0753	3.560	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2035	1	18	0.0880	4.987	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2035	1	19	0.0950	5.385	6.6500	4.7481	56.6821	9.88	0.001293
1	1	60	2035	1	20	0.1175	7.607	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2035	1	21	0.1455	9.425	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2035	1	22	0.1666	21.695	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2035	1	23	0.1830	36.196	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2035	1	24	2.2806	19.573	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2035	1	25	0.1023	2.785	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2035	1	26	0.1507	14.728	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2035	1	27	0.1806	4.919	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2035	1	28	0.0543	2.387	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2035	2	1	10.9776	329.457	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2035	2	2	8.9219	358.624	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2035	2	3	9.5761	384.918	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2035	2	4	11.3139	427.854	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2035	2	5	11.5797	437.904	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2035	2	6	6.5392	246.989	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2035	2	7	8.4463	319.024	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2035	2	8	8.2085	299.552	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2035	2	9	9.5875	349.879	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2035	2	10	9.4893	346.293	6.8800	4.9123	36.4932	8.14	0.001996

1	1	60	2035	2	11	11.2787	411.596	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2035	2	12	12.0116	438.343	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2035	2	14	0.4960	14.887	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2035	2	15	0.2163	10.444	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2035	2	16	0.0774	3.487	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2035	2	17	0.0886	4.187	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2035	2	18	0.1034	5.860	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2035	2	19	0.1117	6.329	6.6500	4.7481	56.6821	9.88	0.001293
1	1	60	2035	2	20	0.1146	7.422	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2035	2	21	0.1424	9.220	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2035	2	22	0.1961	25.540	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2035	2	23	0.2150	42.537	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2035	2	24	17.3525	148.923	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2035	2	25	13.7101	373.329	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2035	2	26	0.2617	25.578	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2035	2	27	0.1766	4.810	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2035	2	28	0.2834	12.461	8.0600	5.7548	43.9743	17.00	0.002242
1	1	60	2035	3	1	0.1332	3.998	7.2800	5.3799	30.0117	24.10	0.281246
1	1	60	2035	3	2	0.1284	5.162	8.0600	5.7548	40.1957	18.50	0.101405
1	1	60	2035	3	3	0.1766	7.098	8.0600	5.7548	40.1957	18.50	0.337320
1	1	60	2035	3	4	0.2832	10.708	8.0600	5.7548	37.8166	14.20	0.103547
1	1	60	2035	3	5	0.2986	11.293	8.0600	5.7548	37.8166	14.20	0.047578
1	1	60	2035	3	6	0.2026	7.652	6.8800	4.9123	37.7707	10.13	0.027524
1	1	60	2035	3	7	0.2640	9.971	6.8800	4.9123	37.7707	9.39	0.000969
1	1	60	2035	3	8	0.2360	8.611	6.8800	4.9123	36.4932	9.35	0.000281
1	1	60	2035	3	9	0.2710	9.891	6.8800	4.9123	36.4931	8.01	0.000959
1	1	60	2035	3	10	0.2681	9.785	6.8800	4.9123	36.4932	8.14	0.001996
1	1	60	2035	3	11	0.3050	11.130	6.8800	4.9123	36.4932	7.45	0.000819
1	1	60	2035	3	12	0.3225	11.770	6.8800	4.9123	36.4932	7.07	0.000002
1	1	60	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	60	2035	3	14	0.0349	1.047	7.2800	5.1979	30.0117	32.40	0.000028
1	1	60	2035	3	15	0.0561	2.709	8.0600	5.7548	48.2848	22.10	0.004518
1	1	60	2035	3	16	0.3177	14.313	6.6500	4.7481	45.0549	12.96	0.008198
1	1	60	2035	3	17	0.3647	17.232	6.6500	4.7481	47.2522	11.66	0.002544
1	1	60	2035	3	18	0.4247	24.071	6.6500	4.7481	56.6821	10.20	0.002699
1	1	60	2035	3	19	0.4587	26.000	6.6500	4.7481	56.6821	9.88	0.001293
1	1	60	2035	3	20	0.5673	36.738	6.6500	4.7481	64.7605	8.71	0.006032
1	1	60	2035	3	21	0.7034	45.555	6.6500	4.7481	64.7605	7.53	0.008655
1	1	60	2035	3	22	0.8056	104.901	6.6500	4.7481	130.2221	6.59	0.010278
1	1	60	2035	3	23	0.8850	175.061	6.6500	4.7481	197.8148	6.30	0.036527
1	1	60	2035	3	24	2.7417	23.530	1.3500	0.9639	8.5822	50.00	0.002374
1	1	60	2035	3	25	0.3674	10.005	6.8800	4.9123	27.2301	6.45	0.000303
1	1	60	2035	3	26	1.1751	114.853	6.6500	4.7481	97.7390	4.36	0.003655
1	1	60	2035	3	27	0.8720	23.745	6.6500	4.7481	27.2301	6.18	0.007008
1	1	60	2035	3	28	0.0648	2.851	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246

1	1	61	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	61	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	61	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2035	1	1	0.1071	3.214	7.2800	5.3799	30.0117	24.10	0.281246
1	1	61	2035	1	2	0.0878	3.529	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2035	1	3	0.1390	5.588	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2035	1	4	0.2076	7.850	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2035	1	5	0.2028	7.670	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2035	1	6	0.0785	2.964	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2035	1	7	0.0735	2.775	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2035	1	8	0.0690	2.517	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2035	1	9	0.0763	2.785	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2035	1	10	0.0759	2.771	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2035	1	11	0.0809	2.954	6.8800	4.9123	36.4932	7.45	0.000819
1	1	61	2035	1	12	0.0863	3.150	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2035	1	14	0.0181	0.543	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2035	1	15	0.0336	1.624	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2035	1	16	0.0660	2.973	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2035	1	17	0.0753	3.560	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2035	1	18	0.0880	4.987	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2035	1	19	0.0950	5.385	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2035	1	20	0.1175	7.607	6.6500	4.7481	64.7605	8.71	0.006032

1	1	61	2035	1	21	0.1455	9.425	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2035	1	22	0.1666	21.695	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2035	1	23	0.1830	36.196	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2035	1	24	2.3457	20.131	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2035	1	25	0.1020	2.777	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2035	1	26	0.1507	14.728	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2035	1	27	0.1806	4.919	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2035	1	28	0.0543	2.387	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2035	2	1	11.0257	330.899	7.2800	5.3799	30.0117	24.10	0.281246
1	1	61	2035	2	2	8.9688	360.507	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2035	2	3	9.6267	386.953	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2035	2	4	11.3775	430.260	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2035	2	5	11.6443	440.350	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2035	2	6	6.7825	256.180	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2035	2	7	8.7606	330.895	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2035	2	8	8.5139	310.699	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2035	2	9	9.9443	362.898	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2035	2	10	9.8424	359.179	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2035	2	11	11.6984	426.912	6.8800	4.9123	36.4932	7.45	0.000819
1	1	61	2035	2	12	12.4586	454.654	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2035	2	14	0.5031	15.098	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2035	2	15	0.2198	10.614	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2035	2	16	0.0793	3.572	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2035	2	17	0.0908	4.290	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2035	2	18	0.1059	6.003	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2035	2	19	0.1144	6.484	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2035	2	20	0.1174	7.604	6.6500	4.7481	64.7605	8.71	0.006032
1	1	61	2035	2	21	0.1459	9.446	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2035	2	22	0.2009	26.166	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2035	2	23	0.2203	43.579	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2035	2	24	18.3848	157.783	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2035	2	25	14.2203	387.221	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2035	2	26	0.2681	26.205	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2035	2	27	0.1810	4.928	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2035	2	28	0.2878	12.656	8.0600	5.7548	43.9743	17.00	0.002242
1	1	61	2035	3	1	0.1339	4.018	7.2800	5.3799	30.0117	24.10	0.281246
1	1	61	2035	3	2	0.1291	5.188	8.0600	5.7548	40.1957	18.50	0.101405
1	1	61	2035	3	3	0.1774	7.132	8.0600	5.7548	40.1957	18.50	0.337320
1	1	61	2035	3	4	0.2844	10.754	8.0600	5.7548	37.8166	14.20	0.103547
1	1	61	2035	3	5	0.2997	11.332	8.0600	5.7548	37.8166	14.20	0.047578
1	1	61	2035	3	6	0.2038	7.699	6.8800	4.9123	37.7707	10.13	0.027524
1	1	61	2035	3	7	0.2656	10.032	6.8800	4.9123	37.7707	9.39	0.000969
1	1	61	2035	3	8	0.2374	8.664	6.8800	4.9123	36.4932	9.35	0.000281
1	1	61	2035	3	9	0.2727	9.952	6.8800	4.9123	36.4931	8.01	0.000959
1	1	61	2035	3	10	0.2698	9.845	6.8800	4.9123	36.4932	8.14	0.001996
1	1	61	2035	3	11	0.3069	11.198	6.8800	4.9123	36.4932	7.45	0.000819

1	1	61	2035	3	12	0.3245	11.842	6.8800	4.9123	36.4932	7.07	0.000002
1	1	61	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	61	2035	3	14	0.0362	1.086	7.2800	5.1979	30.0117	32.40	0.000028
1	1	61	2035	3	15	0.0582	2.811	8.0600	5.7548	48.2848	22.10	0.004518
1	1	61	2035	3	16	0.3299	14.862	6.6500	4.7481	45.0549	12.96	0.008198
1	1	61	2035	3	17	0.3787	17.893	6.6500	4.7481	47.2522	11.66	0.002544
1	1	61	2035	3	18	0.4409	24.994	6.6500	4.7481	56.6821	10.20	0.002699
1	1	61	2035	3	19	0.4763	26.997	6.6500	4.7481	56.6821	9.88	0.001293
1	1	61	2035	3	20	0.5890	38.147	6.6500	4.7481	64.7605	8.71	0.006032
1	1	61	2035	3	21	0.7304	47.302	6.6500	4.7481	64.7605	7.53	0.008655
1	1	61	2035	3	22	0.8364	108.924	6.6500	4.7481	130.2221	6.59	0.010278
1	1	61	2035	3	23	0.9189	181.775	6.6500	4.7481	197.8148	6.30	0.036527
1	1	61	2035	3	24	2.7849	23.901	1.3500	0.9639	8.5822	50.00	0.002374
1	1	61	2035	3	25	0.3697	10.067	6.8800	4.9123	27.2301	6.45	0.000303
1	1	61	2035	3	26	1.2202	119.258	6.6500	4.7481	97.7390	4.36	0.003655
1	1	61	2035	3	27	0.9055	24.656	6.6500	4.7481	27.2301	6.18	0.007008
1	1	61	2035	3	28	0.0673	2.958	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2035	4	1	368.0	11043.5	7.2800	5.3799	30.0117	24.10	0.281246
1	1	62	2035	4	2	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.101405
1	1	62	2035	4	3	479.4	19268.1	8.0600	5.7548	40.1957	18.50	0.337320
1	1	62	2035	4	4	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.103547
1	1	62	2035	4	5	624.5	23617.1	8.0600	5.7548	37.8166	14.20	0.047578
1	1	62	2035	4	6	875.4	33065.7	6.8800	4.9123	37.7707	10.13	0.027524
1	1	62	2035	4	7	944.4	35671.5	6.8800	4.9123	37.7707	9.39	0.000969
1	1	62	2035	4	8	948.5	34612.4	6.8800	4.9123	36.4932	9.35	0.000281
1	1	62	2035	4	9	1107.1	40402.7	6.8800	4.9123	36.4931	8.01	0.000959
1	1	62	2035	4	10	1089.5	39757.5	6.8800	4.9123	36.4932	8.14	0.001996
1	1	62	2035	4	11	1190.4	43439.7	6.8800	4.9123	36.4932	7.45	0.000819
1	1	62	2035	4	12	1254.3	45774.5	6.8800	4.9123	36.4932	7.07	0.000002
1	1	62	2035	4	13	0.0	0.0	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2035	4	14	314.1	9425.7	7.2800	5.1979	30.0117	32.40	0.000028
1	1	62	2035	4	15	460.4	22232.5	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2035	4	16	785.2	35375.8	6.6500	4.7481	45.0549	12.96	0.008198
1	1	62	2035	4	17	872.7	41237.6	6.6500	4.7481	47.2522	11.66	0.002544
1	1	62	2035	4	18	997.6	56547.8	6.6500	4.7481	56.6821	10.20	0.002699
1	1	62	2035	4	19	1029.9	58379.3	6.6500	4.7481	56.6821	9.88	0.001293
1	1	62	2035	4	20	1168.3	75659.1	6.6500	4.7481	64.7605	8.71	0.006032
1	1	62	2035	4	21	1351.4	87515.4	6.6500	4.7481	64.7605	7.53	0.008655
1	1	62	2035	4	22	1544.1	201080.0	6.6500	4.7481	130.2221	6.59	0.010278
1	1	62	2035	4	23	1615.2	319512.5	6.6500	4.7481	197.8148	6.30	0.036527
1	1	62	2035	4	24	177.4	1522.2	1.3500	0.9639	8.5822	50.00	0.002374
1	1	62	2035	4	25	1374.9	37438.8	6.8800	4.9123	27.2301	6.45	0.000303
1	1	62	2035	4	26	2333.9	228113.5	6.6500	4.7481	97.7390	4.36	0.003655
1	1	62	2035	4	27	1646.6	44836.4	6.6500	4.7481	27.2301	6.18	0.007008
1	1	62	2035	4	28	598.6	26322.0	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2035	1	1	0.1068	3.204	7.2800	5.3799	30.0117	24.10	0.281246
1	1	62	2035	1	2	0.0876	3.521	8.0600	5.7548	40.1957	18.50	0.101405

1	1	62	2035	1	3	0.1391	5.590	8.0600	5.7548	40.1957	18.50	0.337320
1	1	62	2035	1	4	0.2074	7.843	8.0600	5.7548	37.8166	14.20	0.103547
1	1	62	2035	1	5	0.2025	7.658	8.0600	5.7548	37.8166	14.20	0.047578
1	1	62	2035	1	6	0.0783	2.959	6.8800	4.9123	37.7707	10.13	0.027524
1	1	62	2035	1	7	0.0733	2.769	6.8800	4.9123	37.7707	9.39	0.000969
1	1	62	2035	1	8	0.0688	2.512	6.8800	4.9123	36.4932	9.35	0.000281
1	1	62	2035	1	9	0.0762	2.781	6.8800	4.9123	36.4931	8.01	0.000959
1	1	62	2035	1	10	0.0758	2.768	6.8800	4.9123	36.4932	8.14	0.001996
1	1	62	2035	1	11	0.0809	2.951	6.8800	4.9123	36.4932	7.45	0.000819
1	1	62	2035	1	12	0.0863	3.149	6.8800	4.9123	36.4932	7.07	0.000002
1	1	62	2035	1	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2035	1	14	0.0181	0.543	7.2800	5.1979	30.0117	32.40	0.000028
1	1	62	2035	1	15	0.0336	1.624	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2035	1	16	0.0660	2.973	6.6500	4.7481	45.0549	12.96	0.008198
1	1	62	2035	1	17	0.0753	3.560	6.6500	4.7481	47.2522	11.66	0.002544
1	1	62	2035	1	18	0.0880	4.987	6.6500	4.7481	56.6821	10.20	0.002699
1	1	62	2035	1	19	0.0950	5.385	6.6500	4.7481	56.6821	9.88	0.001293
1	1	62	2035	1	20	0.1175	7.607	6.6500	4.7481	64.7605	8.71	0.006032
1	1	62	2035	1	21	0.1455	9.425	6.6500	4.7481	64.7605	7.53	0.008655
1	1	62	2035	1	22	0.1666	21.695	6.6500	4.7481	130.2221	6.59	0.010278
1	1	62	2035	1	23	0.1830	36.196	6.6500	4.7481	197.8148	6.30	0.036527
1	1	62	2035	1	24	2.4088	20.672	1.3500	0.9639	8.5822	50.00	0.002374
1	1	62	2035	1	25	0.1017	2.769	6.8800	4.9123	27.2301	6.45	0.000303
1	1	62	2035	1	26	0.1507	14.728	6.6500	4.7481	97.7390	4.36	0.003655
1	1	62	2035	1	27	0.1806	4.919	6.6500	4.7481	27.2301	6.18	0.007008
1	1	62	2035	1	28	0.0543	2.387	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2035	2	1	11.0723	332.298	7.2800	5.3799	30.0117	24.10	0.281246
1	1	62	2035	2	2	9.0142	362.333	8.0600	5.7548	40.1957	18.50	0.101405
1	1	62	2035	2	3	9.6758	388.925	8.0600	5.7548	40.1957	18.50	0.337320
1	1	62	2035	2	4	11.4392	432.591	8.0600	5.7548	37.8166	14.20	0.103547
1	1	62	2035	2	5	11.7070	442.721	8.0600	5.7548	37.8166	14.20	0.047578
1	1	62	2035	2	6	7.0184	265.088	6.8800	4.9123	37.7707	10.13	0.027524
1	1	62	2035	2	7	9.0653	342.401	6.8800	4.9123	37.7707	9.39	0.000969
1	1	62	2035	2	8	8.8099	321.503	6.8800	4.9123	36.4932	9.35	0.000281
1	1	62	2035	2	9	10.2901	375.517	6.8800	4.9123	36.4931	8.01	0.000959
1	1	62	2035	2	10	10.1846	371.668	6.8800	4.9123	36.4932	8.14	0.001996
1	1	62	2035	2	11	12.1052	441.757	6.8800	4.9123	36.4932	7.45	0.000819
1	1	62	2035	2	12	12.8918	470.463	6.8800	4.9123	36.4932	7.07	0.000002
1	1	62	2035	2	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2035	2	14	0.5099	15.303	7.2800	5.1979	30.0117	32.40	0.000028
1	1	62	2035	2	15	0.2232	10.779	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2035	2	16	0.0811	3.655	6.6500	4.7481	45.0549	12.96	0.008198
1	1	62	2035	2	17	0.0929	4.389	6.6500	4.7481	47.2522	11.66	0.002544
1	1	62	2035	2	18	0.1084	6.143	6.6500	4.7481	56.6821	10.20	0.002699
1	1	62	2035	2	19	0.1170	6.634	6.6500	4.7481	56.6821	9.88	0.001293
1	1	62	2035	2	20	0.1201	7.780	6.6500	4.7481	64.7605	8.71	0.006032
1	1	62	2035	2	21	0.1492	9.665	6.6500	4.7481	64.7605	7.53	0.008655

1	1	62	2035	2	22	0.2056	26.772	6.6500	4.7481	130.2221	6.59	0.010278
1	1	62	2035	2	23	0.2254	44.589	6.6500	4.7481	197.8148	6.30	0.036527
1	1	62	2035	2	24	19.3853	166.369	1.3500	0.9639	8.5822	50.00	0.002374
1	1	62	2035	2	25	14.7148	400.685	6.8800	4.9123	27.2301	6.45	0.000303
1	1	62	2035	2	26	0.2743	26.812	6.6500	4.7481	97.7390	4.36	0.003655
1	1	62	2035	2	27	0.1852	5.042	6.6500	4.7481	27.2301	6.18	0.007008
1	1	62	2035	2	28	0.2921	12.845	8.0600	5.7548	43.9743	17.00	0.002242
1	1	62	2035	3	1	0.1345	4.037	7.2800	5.3799	30.0117	24.10	0.281246
1	1	62	2035	3	2	0.1297	5.214	8.0600	5.7548	40.1957	18.50	0.101405
1	1	62	2035	3	3	0.1783	7.166	8.0600	5.7548	40.1957	18.50	0.337320
1	1	62	2035	3	4	0.2855	10.797	8.0600	5.7548	37.8166	14.20	0.103547
1	1	62	2035	3	5	0.3007	11.371	8.0600	5.7548	37.8166	14.20	0.047578
1	1	62	2035	3	6	0.2050	7.745	6.8800	4.9123	37.7707	10.13	0.027524
1	1	62	2035	3	7	0.2672	10.092	6.8800	4.9123	37.7707	9.39	0.000969
1	1	62	2035	3	8	0.2388	8.716	6.8800	4.9123	36.4932	9.35	0.000281
1	1	62	2035	3	9	0.2743	10.012	6.8800	4.9123	36.4931	8.01	0.000959
1	1	62	2035	3	10	0.2714	9.904	6.8800	4.9123	36.4932	8.14	0.001996
1	1	62	2035	3	11	0.3087	11.265	6.8800	4.9123	36.4932	7.45	0.000819
1	1	62	2035	3	12	0.3264	11.913	6.8800	4.9123	36.4932	7.07	0.000002
1	1	62	2035	3	13	0.0000	0.000	0.0000	0.0000	0.0000	0.00	0.000000
1	1	62	2035	3	14	0.0375	1.124	7.2800	5.1979	30.0117	32.40	0.000028
1	1	62	2035	3	15	0.0603	2.911	8.0600	5.7548	48.2848	22.10	0.004518
1	1	62	2035	3	16	0.3417	15.394	6.6500	4.7481	45.0549	12.96	0.008198
1	1	62	2035	3	17	0.3922	18.534	6.6500	4.7481	47.2522	11.66	0.002544
1	1	62	2035	3	18	0.4567	25.888	6.6500	4.7481	56.6821	10.20	0.002699
1	1	62	2035	3	19	0.4933	27.964	6.6500	4.7481	56.6821	9.88	0.001293
1	1	62	2035	3	20	0.6101	39.513	6.6500	4.7481	64.7605	8.71	0.006032
1	1	62	2035	3	21	0.7566	48.996	6.6500	4.7481	64.7605	7.53	0.008655
1	1	62	2035	3	22	0.8664	112.824	6.6500	4.7481	130.2221	6.59	0.010278
1	1	62	2035	3	23	0.9518	188.283	6.6500	4.7481	197.8148	6.30	0.036527
1	1	62	2035	3	24	2.8268	24.260	1.3500	0.9639	8.5822	50.00	0.002374
1	1	62	2035	3	25	0.3719	10.127	6.8800	4.9123	27.2301	6.45	0.000303
1	1	62	2035	3	26	1.2639	123.528	6.6500	4.7481	97.7390	4.36	0.003655
1	1	62	2035	3	27	0.9379	25.538	6.6500	4.7481	27.2301	6.18	0.007008
1	1	62	2035	3	28	0.0696	3.063	8.0600	5.7548	43.9743	17.00	0.002242

```
MOBILE6 INPUT FILE

REPORT FILE        :  C:\mobile62\Mobile6\Run\Balt\red2035w.out      REPLACE
DATABASE OUTPUT    :
WITH FIELDNAMES    :
EMISSIONS TABLE    :  C:\mobile62\Mobile6\Run\Balt\red2035w.tbl    REPLACE
POLLUTANTS         :  HC CO NOX CO2
AGGREGATED OUTPUT  :
RUN DATA           :

FUEL RVP           : 6.8
EXPRESS HC AS VOC  :
EXPAND EXHAUST     :
EXPAND EVAPORATIVE :
NO REFUELING       :
ANTI-TAMP PROGRAM  :         89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : C:\mobile62\Mobile6\Run\Balt\im2010.d
T2 EXH PHASE-IN    : C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11
T2 EVAP PHASE-IN   : C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11
T2 CERT            : C:\mobile62\Mobile6\Run\Balt\LevIIStd.d
94+ LDG IMP        : C:\mobile62\Mobile6\Run\Balt\LevII94.S11
REG DISTRIBUTION   : C:\mobile62\Mobile6\Run\Balt\regdat05.bal
REBUILD EFFECTS    : .90
DIESEL FRACTIONS   :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
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SCENARIO RECORD    : sPEED=2.5

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
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CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 2.5 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=5.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 5.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=6.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 6.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
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*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=7.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 7.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=8.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 8.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=9.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
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DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 9.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=10.0

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 10.0 ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=11

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 11. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
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30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=12

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 12. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=13

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 13. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
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VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=14.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 14. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=15

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 15. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=16

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
```

```
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 16. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=17

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 17. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=18

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 18. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
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SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD     : sPEED=19

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2035
EVALUATION MONTH    : 1
AVERAGE SPEED       : 19. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD     : sPEED=20

PARTICLE SIZE       : 10.
PARTICULATE EF      : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR       : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES     : 29.80
CALENDAR YEAR       :2035
EVALUATION MONTH    : 1
AVERAGE SPEED       : 20. ARTERIAL
FUEL PROGRAM        : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS    : 0.000 1.000 0.000 0.037 1
SEASON              : 2
SUNRISE/SUNSET      : 7 5
CLOUD COVER         : 0.35
*VMT TOTALS           3483726
*                      979882  356904 1187233  366079  168207  124447   12240   10383
*                        7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS       :
                      0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                      0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY     : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR         : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT           : C:\mobile62\Mobile6\Run\Balt\V001101S.def
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SCENARIO RECORD    : sPEED=21.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 21. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=22

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 22. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=23

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
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EVALUATION MONTH   : 1
AVERAGE SPEED      : 23. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=24

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 24. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=25

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 25. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
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*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=26

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 26. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=27

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 27. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=28.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
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HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 28. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=29.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 29. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=30.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 30. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
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1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=31

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 31. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=32.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 32. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
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VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=33

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 33. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=34.

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 34. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=35

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
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66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 35. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=36

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 36. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=37

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 37. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
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CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=38

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 38. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=39

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 39. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=40
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PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 40. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=41

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 41. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=42

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 42. ARTERIAL
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FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=43

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 43. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=44

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 44. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
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                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=45

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 45. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=46

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 46. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=47

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
```

```
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 47. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=48

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 48. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=49

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 49. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
```

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OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=50

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 50. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=51

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 51. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def
```

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SCENARIO RECORD    : sPEED=52

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 52. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=53

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 53. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=54

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
```

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CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 54. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=55

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 55. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=56

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 56. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
```

```
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=57

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 57. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=58

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 58. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=59

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
```

```
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 59. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=60

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 60. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=61

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 61. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
```

```
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=62

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 62. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=63

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 63. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
```

```
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=64

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 64. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def

SCENARIO RECORD    : sPEED=65

PARTICLE SIZE      : 10.
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 15
HOURLY TEMPERATURES: 29.79   30.21   31.93   33.88   35.28   36.67   37.66   38.04   38.40   38.18   36.68
35.41
34.44   33.88   33.69   33.47   32.48   32.16   32.16   32.05   31.74   30.91   30.48   30.25
RELATIVE HUMIDITY  : 73.58   72.35   69.42   65.68   63.00   61.94   59.68   58.94   58.26   58.23   61.32
63.94
66.13   68.42   68.03   69.32   71.55   71.32   72.71   72.13   72.58   72.68   73.03   74.90
BAROMETRIC PRES    : 29.80
CALENDAR YEAR      :2035
EVALUATION MONTH   : 1
AVERAGE SPEED      : 65. ARTERIAL
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 0.000 1.000 0.000 0.037 1
SEASON             : 2
SUNRISE/SUNSET     : 7 5
CLOUD COVER        : 0.35
*VMT TOTALS          3483726
*                     979882  356904 1187233  366079  168207  124447   12240   10383
*                       7844   27966   33006   35811  127251   25471   12733    8269
VMT FRACTIONS      :
                     0.281274 0.102449 0.340794 0.105083 0.048284 0.035722 0.003513 0.002980
                     0.002252 0.008028 0.009474 0.010280 0.036527 0.007311 0.003655 0.002374
VMT BY FACILITY    : C:\mobile62\Mobile6\Run\Balt\V001101F.def
VMT BY HOUR        : C:\mobile62\Mobile6\Run\Balt\V001101H.def
SPEED VMT          : C:\mobile62\Mobile6\Run\Balt\V001101S.def


END OF RUN         :
```

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: CON16S10.INP (file 1, run 1).                             *
*************************************************************************
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


* Reading I/M program description records from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2015\IM2015.D
*IM Program.  Idle, IM240, and OBD.
*Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

* Reading non-default I/M CUTPOINTS from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2015\CUTPNT15.D
* CY 15
* CUTPOINTS 75% TO FINAL FOR 1994 AND 1995. IMPLEMENTED MAY 2005.

  Reading User Supplied Tier2 Exhaust bin phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11


  Reading User Supplied Tier2 EVAP phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11


  Reading User Supplied Tier2 50K certification standards

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIStd.d


* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11

* Reading Registration Distributions from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\REGDAT05.BAL
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M614 Comment:
               User supplied diesel sale fractions.

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=2.5
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  2.5
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
```

```
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2015\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2015\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2015\V001103S.DEF
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
 HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

* Reading Ammonia (NH3) Basic Emissiion Rates
* from the external data file PMNH3BER.D

* Reading Ammonia (NH3) Sulfur Deterioration Rates
* from the external data file PMNH3SDR.D

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  July
                         Altitude:  Low
             Minimum Temperature:  30.3 (F)
             Maximum Temperature:  83.8 (F)
               Minimum Rel. Hum.:  58.2 (%)
               Maximum Rel. Hum.:  74.9 (%)
             Barometric Pressure: 29.80 (inches Hg)
                Nominal Fuel RVP:   6.8 psi
                   Weathered RVP:   6.8 psi
             Fuel Sulfur Content:   30. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  No

             User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      2.077     1.267     2.411     1.560     2.524    0.178     0.258     0.848
9.47     1.685
     Composite CO  :     13.28     11.57     16.85     12.92     28.86     2.072     1.085     2.472
83.52    12.724
     Composite NOX :      0.420     0.358     0.882     0.492     0.546    0.168     0.201     3.500
1.29     0.735
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     1.197     1.288     2.380     2.477     0.154     0.468
     Composite CO  :    11.02     11.73     16.74     17.10      0.928     1.402
     Composite NOX :     0.273     0.383     0.797     1.067     0.104     0.396
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
```

```
-----------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     2.539     2.504     2.158     2.267     2.262     2.352     2.420     0.000
     Composite CO  :    27.08     32.95     32.16     37.55     37.17     43.77     46.62      0.00
     Composite NOX :     0.534     0.583     0.474     0.551     0.546     0.605     0.645     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
-----------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.359     0.396     0.493     0.542     0.647     0.797     0.885     1.009
     Composite CO  :     0.963     0.952     1.462     1.587     1.481     1.832     2.275     2.884
     Composite NOX :     1.260     1.189     1.951     2.119     2.216     2.742     2.969     3.763
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  5.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  July
```

```
                    Altitude:  Low
         Minimum Temperature:  30.3 (F)
         Maximum Temperature:  83.8 (F)
           Minimum Rel. Hum.:  58.2 (%)
           Maximum Rel. Hum.:  74.9 (%)
         Barometric Pressure: 29.80 (inches Hg)
            Nominal Fuel RVP:   6.8 psi
               Weathered RVP:   6.8 psi
         Fuel Sulfur Content:   30. ppm

         Exhaust I/M Program:  Yes
            Evap I/M Program:  Yes
                 ATP Program:  Yes
            Reformulated Gas:  No

         User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.782     0.514     1.028     0.646     1.161    0.160     0.231     0.746
6.25     0.720
     Composite CO  :      8.56      7.65     10.97      8.50     23.06     1.739     0.906     2.018
49.44     8.478
     Composite NOX :      0.365     0.314     0.773     0.432     0.560    0.152     0.181     3.152
1.21     0.654
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.468     0.528     1.008     1.072     0.137     0.419
     Composite CO  :     7.23      7.78     10.88     11.17      0.773     1.174
     Composite NOX :     0.240     0.337     0.699     0.932     0.093     0.357
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     1.161     1.133     1.005     1.091     1.087     1.159     1.214     0.000
     Composite CO  :    21.64     26.33     25.70     30.01     29.70     34.97     37.25      0.00
     Composite NOX :     0.548     0.598     0.486     0.565     0.561     0.620     0.662     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.315     0.348     0.433     0.476     0.568     0.701     0.778     0.887
     Composite CO  :     0.786     0.777     1.193     1.296     1.209     1.496     1.857     2.354
     Composite NOX :     1.133     1.069     1.753     1.905     1.992     2.464     2.676     3.396
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
```

```
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  5.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.782     0.514     1.028     0.646     1.161    0.160     0.231     0.746
6.25     0.720
     Composite CO  :      8.56      7.65     10.97      8.50     23.06     1.739     0.906     2.018
49.44     8.478
     Composite NOX :      0.365     0.314     0.773     0.432     0.560    0.152     0.181     3.152
1.21     0.654
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.468     0.528     1.008     1.072     0.137     0.419
     Composite CO  :     7.23      7.78     10.88     11.17      0.773     1.174
     Composite NOX :     0.240     0.337     0.699     0.932     0.093     0.357
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     1.161     1.133     1.005     1.091     1.087     1.159     1.214     0.000
     Composite CO  :    21.64     26.33     25.70     30.01     29.70     34.97     37.25      0.00
     Composite NOX :     0.548     0.598     0.486     0.565     0.561     0.620     0.662     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.315     0.348     0.433     0.476     0.568     0.701     0.778     0.887
     Composite CO  :     0.786     0.777     1.193     1.296     1.209     1.496     1.857     2.354
     Composite NOX :     1.133     1.069     1.753     1.905     1.992     2.464     2.676     3.396
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=10.0
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 10.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.451     0.298     0.618     0.380     0.684    0.131     0.189     0.585
3.80     0.434
     Composite CO  :      6.38      5.77      8.19      6.39     15.34     1.279     0.659     1.391
25.37     6.251
     Composite NOX :      0.292     0.256     0.639     0.354     0.588    0.127     0.151     2.625
1.14     0.542
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.266     0.308     0.604     0.648     0.112     0.343
     Composite CO  :     5.40      5.88      8.11      8.35      0.560     0.859
     Composite NOX :     0.194     0.275     0.576     0.774     0.078     0.298
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.682     0.663     0.604     0.661     0.658     0.705     0.741     0.000
     Composite CO  :    14.40     17.52     17.10     19.96     19.76     23.27     24.78      0.00
     Composite NOX :     0.576     0.628     0.511     0.594     0.589     0.652     0.695     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.247     0.273     0.340     0.374     0.446     0.550     0.610     0.696
     Composite CO  :     0.542     0.536     0.823     0.894     0.833     1.031     1.280     1.623
     Composite NOX :     0.940     0.887     1.455     1.580     1.652     2.044     2.233     2.841
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
-----------------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=15.0
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 15.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  July
                 Altitude:  Low
Minimum Temperature:  30.3 (F)
Maximum Temperature:  83.8 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                       Alcohol Blend RVP Waiver: No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
              GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.368     0.236     0.499     0.303     0.506    0.111     0.158     0.470
2.97     0.348
     Composite CO  :      5.74      5.17      7.32      5.72     10.78     0.994     0.507     1.004
17.57     5.474
     Composite NOX :      0.247     0.219     0.556     0.305     0.617    0.110     0.131     2.264
1.16     0.470
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.209     0.244     0.487     0.523     0.093     0.289
     Composite CO  :     4.80      5.28      7.25      7.48      0.428     0.664
     Composite NOX :     0.164     0.235     0.499     0.679     0.067     0.258
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.503     0.491     0.455     0.493     0.492     0.524     0.548     0.000
     Composite CO  :    10.12     12.31     12.02     14.03     13.89     16.36     17.42      0.00
     Composite NOX :     0.603     0.659     0.536     0.622     0.617     0.683     0.729     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.199     0.219     0.273     0.300     0.358     0.441     0.490     0.559
     Composite CO  :     0.391     0.387     0.594     0.645     0.601     0.744     0.924     1.172
     Composite NOX :     0.808     0.762     1.250     1.358     1.420     1.756     1.929     2.461
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
```

```
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=20.0
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 20.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.323     0.200     0.434     0.260     0.397    0.096     0.136     0.385
2.59     0.298
     Composite CO  :      5.39      4.85      6.86      5.36      8.01     0.814     0.410     0.758
13.98     5.044
     Composite NOX :      0.224     0.200     0.514     0.280     0.645    0.098     0.117     2.023
1.22     0.429
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.176     0.207     0.424     0.456     0.079     0.249
     Composite CO  :     4.48      4.95      6.79      7.02      0.345     0.541
     Composite NOX :     0.149     0.215     0.461     0.631     0.060     0.231
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.395     0.386     0.363     0.391     0.390     0.413     0.430     0.000
     Composite CO  :     7.52      9.15      8.93     10.42     10.32     12.15     12.94      0.00
     Composite NOX :     0.631     0.689     0.560     0.651     0.646     0.715     0.762     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.163     0.180     0.224     0.246     0.294     0.362     0.402     0.458
     Composite CO  :     0.296     0.292     0.448     0.487     0.454     0.562     0.698     0.885
     Composite NOX :     0.720     0.679     1.114     1.210     1.264     1.564     1.726     2.207
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=25.0
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 25.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.299     0.183     0.401     0.239     0.332    0.085     0.119     0.323
2.35     0.270
     Composite CO  :      5.22      4.68      6.63      5.18      6.28     0.697     0.347     0.599
11.78     4.810
     Composite NOX :      0.211     0.189     0.489     0.266     0.674    0.091     0.108     1.871
1.29     0.405
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.161     0.190     0.392     0.420     0.069     0.219
     Composite CO  :     4.32      4.79      6.56      6.78      0.291     0.461
     Composite NOX :     0.140     0.203     0.438     0.602     0.056     0.214
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.330     0.323     0.310     0.330     0.329     0.346     0.359     0.000
     Composite CO  :     5.90      7.18      7.00      8.18      8.10      9.53     10.15      0.00
     Composite NOX :     0.659     0.719     0.585     0.680     0.674     0.746     0.796     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.137     0.151     0.188     0.206     0.246     0.304     0.337     0.384
     Composite CO  :     0.234     0.231     0.354     0.385     0.359     0.444     0.552     0.699
     Composite NOX :     0.664     0.626     1.028     1.117     1.166     1.443     1.599     2.047
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
-----------------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=30
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 30.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  July
                 Altitude:  Low
Minimum Temperature:  30.3 (F)
Maximum Temperature:  83.8 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                       Alcohol Blend RVP Waiver: No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.283     0.173     0.381     0.226     0.289    0.077     0.107     0.277
2.17     0.253
     Composite CO  :      5.17      4.63      6.56      5.12      5.21     0.621     0.306     0.496
10.19     4.716
     Composite NOX :      0.201     0.181     0.472     0.256     0.702    0.087     0.104     1.792
1.36     0.390
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.152     0.179     0.372     0.400     0.062     0.197
     Composite CO  :     4.27      4.74      6.49      6.71      0.255     0.409
     Composite NOX :     0.134     0.195     0.422     0.582     0.053     0.205
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.287     0.282     0.274     0.289     0.289     0.302     0.312     0.000
     Composite CO  :     4.89      5.95      5.81      6.78      6.71      7.90      8.42      0.00
     Composite NOX :     0.687     0.750     0.610     0.708     0.703     0.778     0.829     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.117     0.129     0.161     0.177     0.211     0.260     0.289     0.330
     Composite CO  :     0.193     0.191     0.293     0.318     0.297     0.367     0.456     0.578
     Composite NOX :     0.635     0.599     0.983     1.068     1.115     1.380     1.532     1.964
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
```

```
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=35
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 35.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.272     0.166     0.367     0.217     0.259    0.071     0.098     0.243
2.03     0.240
     Composite CO  :      5.20      4.67      6.62      5.17      4.56     0.572     0.280     0.429
9.01     4.721
     Composite NOX :      0.196     0.178     0.466     0.251     0.730    0.087     0.103     1.776
1.41     0.386
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.145     0.172     0.358     0.385     0.056     0.181
     Composite CO  :     4.30      4.78      6.55      6.77      0.233     0.376
     Composite NOX :     0.131     0.191     0.416     0.574     0.053     0.203
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.257     0.253     0.249     0.261     0.261     0.271     0.279     0.000
     Composite CO  :     4.28      5.21      5.09      5.94      5.88      6.92      7.37      0.00
     Composite NOX :     0.714     0.780     0.634     0.737     0.731     0.809     0.863     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.103     0.113     0.141     0.155     0.185     0.228     0.253     0.289
     Composite CO  :     0.167     0.165     0.254     0.276     0.257     0.318     0.395     0.501
     Composite NOX :     0.629     0.594     0.974     1.058     1.105     1.367     1.519     1.947
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=40
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 40.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.266     0.163     0.360     0.214     0.238    0.066     0.091     0.217
1.94     0.233
     Composite CO  :      5.42      4.88      6.92      5.40      4.22     0.543     0.264     0.389
8.19     4.901
     Composite NOX :      0.200     0.181     0.471     0.255     0.759    0.089     0.105     1.822
1.44     0.394
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.142     0.170     0.352     0.377     0.052     0.169
     Composite CO  :     4.50      4.99      6.84      7.07      0.219     0.355
     Composite NOX :     0.134     0.195     0.421     0.579     0.054     0.208
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.236     0.232     0.231     0.241     0.241     0.250     0.257     0.000
     Composite CO  :     3.96      4.82      4.71      5.50      5.44      6.41      6.82      0.00
     Composite NOX :     0.742     0.810     0.659     0.765     0.759     0.840     0.896     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.092     0.101     0.126     0.139     0.166     0.204     0.227     0.259
     Composite CO  :     0.152     0.150     0.230     0.250     0.233     0.288     0.358     0.454
     Composite NOX :     0.646     0.609     1.000     1.086     1.134     1.404     1.557     1.995
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
-----------------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=45.
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 45.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  July
                 Altitude:  Low
Minimum Temperature:  30.3 (F)
Maximum Temperature:  83.8 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                       Alcohol Blend RVP Waiver: No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.260     0.161     0.354     0.211     0.223    0.063     0.086     0.199
1.88     0.227
     Composite CO  :      5.63      5.09      7.21      5.63      4.13     0.528     0.256     0.369
7.67     5.092
     Composite NOX :      0.204     0.186     0.478     0.261     0.787    0.094     0.112     1.934
1.47     0.409
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.139     0.168     0.347     0.371     0.049     0.160
     Composite CO  :     4.70      5.20      7.14      7.37      0.212     0.345
     Composite NOX :     0.138     0.200     0.429     0.586     0.058     0.221
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.221     0.218     0.218     0.227     0.227     0.234     0.240     0.000
     Composite CO  :     3.87      4.71      4.60      5.37      5.32      6.26      6.67      0.00
     Composite NOX :     0.770     0.841     0.684     0.794     0.788     0.872     0.930     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.084     0.093     0.116     0.127     0.152     0.187     0.208     0.237
     Composite CO  :     0.144     0.142     0.218     0.237     0.221     0.273     0.339     0.430
     Composite NOX :     0.687     0.648     1.063     1.155     1.207     1.493     1.652     2.113
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
```

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-----------------------------------------------------------------------------------------------------------
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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=50
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 50.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.256     0.159     0.349     0.208     0.212    0.061     0.083     0.186
1.86     0.223
     Composite CO  :      5.85      5.30      7.51      5.86      4.27     0.526     0.255     0.366
7.46     5.293
     Composite NOX :      0.209     0.190     0.486     0.266     0.815    0.103     0.123     2.126
1.55     0.432
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.137     0.166     0.342     0.365     0.047     0.154
     Composite CO  :     4.89      5.42      7.43      7.67      0.211     0.344
     Composite NOX :     0.142     0.205     0.436     0.593     0.063     0.242
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.209     0.207     0.208     0.217     0.216     0.223     0.229     0.000
     Composite CO  :     4.00      4.87      4.75      5.55      5.49      6.47      6.89      0.00
     Composite NOX :     0.798     0.871     0.708     0.823     0.816     0.903     0.963     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.079     0.087     0.108     0.119     0.142     0.175     0.194     0.222
     Composite CO  :     0.143     0.141     0.216     0.235     0.219     0.271     0.337     0.427
     Composite NOX :     0.757     0.714     1.172     1.273     1.330     1.646     1.813     2.315
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=55
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 55.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.252     0.158     0.344     0.206     0.204    0.059     0.081     0.178
1.86     0.219
     Composite CO  :      6.06      5.51      7.80      6.09      4.66     0.536     0.261     0.380
7.46     5.506
     Composite NOX :      0.214     0.195     0.494     0.271     0.844    0.117     0.139     2.419
1.71     0.463
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.135     0.165     0.337     0.360     0.046     0.151
     Composite CO  :     5.09      5.63      7.73      7.97      0.216     0.351
     Composite NOX :     0.146     0.210     0.444     0.601     0.072     0.275
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.202     0.199     0.202     0.210     0.210     0.216     0.221     0.000
     Composite CO  :     4.37      5.32      5.19      6.06      6.00      7.06      7.52      0.00
     Composite NOX :     0.825     0.901     0.733     0.851     0.845     0.935     0.997     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.075     0.083     0.104     0.114     0.136     0.168     0.186     0.212
     Composite CO  :     0.148     0.146     0.225     0.244     0.228     0.282     0.350     0.443
     Composite NOX :     0.865     0.816     1.338     1.454     1.520     1.880     2.060     2.625
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
-----------------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=60
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 60.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  July
                 Altitude:  Low
Minimum Temperature:  30.3 (F)
Maximum Temperature:  83.8 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                       Alcohol Blend RVP Waiver: No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.249     0.158     0.340     0.204     0.200    0.059     0.080     0.175
2.20     0.218
     Composite CO  :      6.28      5.72      8.10      6.33      5.37     0.560     0.274     0.413
12.68     5.743
     Composite NOX :      0.218     0.200     0.502     0.277     0.872    0.138     0.164     2.852
1.87     0.507
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.133     0.165     0.333     0.355     0.045     0.149
     Composite CO  :     5.30      5.84      8.02      8.27      0.227     0.367
     Composite NOX :     0.150     0.215     0.453     0.610     0.085     0.323
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.198     0.195     0.198     0.206     0.206     0.213     0.218     0.000
     Composite CO  :     5.04      6.13      5.98      6.99      6.92      8.14      8.67      0.00
     Composite NOX :     0.853     0.932     0.758     0.880     0.873     0.966     1.031     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.074     0.081     0.101     0.111     0.133     0.164     0.182     0.208
     Composite CO  :     0.161     0.159     0.244     0.265     0.247     0.306     0.380     0.482
     Composite NOX :     1.023     0.965     1.584     1.720     1.799     2.226     2.424     3.081
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
```

```
************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                           *
* Input file: CON16S10.INP (file 1, run 1).                            *
************************************************************************

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=2.5
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0036    0.0037    0.0036    0.0162    ------    ------    ------
0.0205    0.0038
            ECARBON:    ------    ------    ------    ------    ------    0.0146    0.0058    0.0269    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0041    0.0083    0.0155    -----
-    0.0014
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0042    0.0175    0.0189    0.0143    0.0433
0.0207    0.0082
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0248    0.0248    0.0248    0.0248    0.0387    0.0394    0.0349    0.0804
0.0372    0.0302
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0036    0.0036    0.0037    0.0037    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0048    0.0078
            OCARBON:    ------    ------    ------    ------    0.0069    0.0112
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0043    0.0119    0.0192
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
           Total PM:    0.0248    0.0248    0.0248    0.0248    0.0325    0.0397
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0161    0.0164    0.0149    0.0164    0.0163    0.0173    0.0180    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
```

```
   Total Exhaust PM:    0.0174    0.0178    0.0162    0.0177    0.0176    0.0186    0.0193    0.0000
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
           Total PM:    0.0379    0.0423    0.0408    0.0422    0.0421    0.0431    0.0679    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0089    0.0071    0.0101    0.0100    0.0181    0.0178    0.0204    0.0305
            OCARBON:    0.0093    0.0073    0.0105    0.0104    0.0142    0.0140    0.0160    0.0096
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0186    0.0150    0.0212    0.0211    0.0330    0.0326    0.0374    0.0412
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
           Total PM:    0.0392    0.0395    0.0457    0.0456    0.0576    0.0571    0.0859    0.0898
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0036    0.0037    0.0036    0.0162    ------    ------    ------
0.0205    0.0038
            ECARBON:    ------    ------    ------    ------    ------    0.0146    0.0058    0.0269    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0041    0.0083    0.0155    -----
-    0.0014
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0042    0.0175    0.0189    0.0143    0.0433
0.0207    0.0082
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0248    0.0248    0.0248    0.0248    0.0387    0.0394    0.0349    0.0804
0.0372    0.0302
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
```

```
              GASPM:    0.0036    0.0036    0.0037    0.0037    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0048    0.0078
            OCARBON:    ------    ------    ------    ------    0.0069    0.0112
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0043    0.0119    0.0192
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
           Total PM:    0.0248    0.0248    0.0248    0.0248    0.0325    0.0397
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0161    0.0164    0.0149    0.0164    0.0163    0.0173    0.0180    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
   Total Exhaust PM:    0.0174    0.0178    0.0162    0.0177    0.0176    0.0186    0.0193    0.0000
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
           Total PM:    0.0379    0.0423    0.0408    0.0422    0.0421    0.0431    0.0679    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0089    0.0071    0.0101    0.0100    0.0181    0.0178    0.0204    0.0305
            OCARBON:    0.0093    0.0073    0.0105    0.0104    0.0142    0.0140    0.0160    0.0096
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0186    0.0150    0.0212    0.0211    0.0330    0.0326    0.0374    0.0412
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
           Total PM:    0.0392    0.0395    0.0457    0.0456    0.0576    0.0571    0.0859    0.0898
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0036    0.0037    0.0036    0.0162    ------    ------    ------
0.0205    0.0038
            ECARBON:    ------    ------    ------    ------    ------    0.0146    0.0058    0.0269    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0041    0.0083    0.0155    -----
-    0.0014
```

```
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0042    0.0175    0.0189    0.0143    0.0433
0.0207    0.0082
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0248    0.0248    0.0248    0.0248    0.0387    0.0394    0.0349    0.0804
0.0372    0.0302
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0036    0.0036    0.0037    0.0037    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0048    0.0078
            OCARBON:    ------    ------    ------    ------    0.0069    0.0112
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0043    0.0119    0.0192
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
           Total PM:    0.0248    0.0248    0.0248    0.0248    0.0325    0.0397
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0161    0.0164    0.0149    0.0164    0.0163    0.0173    0.0180    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
   Total Exhaust PM:    0.0174    0.0178    0.0162    0.0177    0.0176    0.0186    0.0193    0.0000
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
           Total PM:    0.0379    0.0423    0.0408    0.0422    0.0421    0.0431    0.0679    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0089    0.0071    0.0101    0.0100    0.0181    0.0178    0.0204    0.0305
            OCARBON:    0.0093    0.0073    0.0105    0.0104    0.0142    0.0140    0.0160    0.0096
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0186    0.0150    0.0212    0.0211    0.0330    0.0326    0.0374    0.0412
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
           Total PM:    0.0392    0.0395    0.0457    0.0456    0.0576    0.0571    0.0859    0.0898
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=10.0
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
```

```
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0036    0.0037    0.0036    0.0162    ------    ------    ------
0.0205    0.0038
            ECARBON:    ------    ------    ------    ------    ------    0.0146    0.0058    0.0269    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0041    0.0083    0.0155    -----
-    0.0014
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0042    0.0175    0.0189    0.0143    0.0433
0.0207    0.0082
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0248    0.0248    0.0248    0.0248    0.0387    0.0394    0.0349    0.0804
0.0372    0.0302
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0036    0.0036    0.0037    0.0037    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0048    0.0078
            OCARBON:    ------    ------    ------    ------    0.0069    0.0112
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0043    0.0119    0.0192
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
           Total PM:    0.0248    0.0248    0.0248    0.0248    0.0325    0.0397
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0161    0.0164    0.0149    0.0164    0.0163    0.0173    0.0180    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
   Total Exhaust PM:    0.0174    0.0178    0.0162    0.0177    0.0176    0.0186    0.0193    0.0000
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
           Total PM:    0.0379    0.0423    0.0408    0.0422    0.0421    0.0431    0.0679    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
```

```
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0089    0.0071    0.0101    0.0100    0.0181    0.0178    0.0204    0.0305
            OCARBON:    0.0093    0.0073    0.0105    0.0104    0.0142    0.0140    0.0160    0.0096
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0186    0.0150    0.0212    0.0211    0.0330    0.0326    0.0374    0.0412
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
           Total PM:    0.0392    0.0395    0.0457    0.0456    0.0576    0.0571    0.0859    0.0898
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=15.0
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                       Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                        Particle Size Cutoff: 10.00 Microns
                            Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0036    0.0037    0.0036    0.0162    ------    ------    ------
0.0205    0.0038
            ECARBON:    ------    ------    ------    ------    ------    0.0146    0.0058    0.0269    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0041    0.0083    0.0155    -----
-    0.0014
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0042    0.0175    0.0189    0.0143    0.0433
0.0207    0.0082
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0248    0.0248    0.0248    0.0248    0.0387    0.0394    0.0349    0.0804
0.0372    0.0302
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0036    0.0036    0.0037    0.0037    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0048    0.0078
            OCARBON:    ------    ------    ------    ------    0.0069    0.0112
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0043    0.0119    0.0192
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
           Total PM:    0.0248    0.0248    0.0248    0.0248    0.0325    0.0397
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
```

```
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0161    0.0164    0.0149    0.0164    0.0163    0.0173    0.0180    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
   Total Exhaust PM:    0.0174    0.0178    0.0162    0.0177    0.0176    0.0186    0.0193    0.0000
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
           Total PM:    0.0379    0.0423    0.0408    0.0422    0.0421    0.0431    0.0679    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0089    0.0071    0.0101    0.0100    0.0181    0.0178    0.0204    0.0305
            OCARBON:    0.0093    0.0073    0.0105    0.0104    0.0142    0.0140    0.0160    0.0096
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0186    0.0150    0.0212    0.0211    0.0330    0.0326    0.0374    0.0412
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
           Total PM:    0.0392    0.0395    0.0457    0.0456    0.0576    0.0571    0.0859    0.0898
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=20.0
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                        Particle Size Cutoff: 10.00 Microns
                            Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0036    0.0037    0.0036    0.0162    ------    ------    ------
0.0205    0.0038
            ECARBON:    ------    ------    ------    ------    ------    0.0146    0.0058    0.0269    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0041    0.0083    0.0155    -----
-    0.0014
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0042    0.0175    0.0189    0.0143    0.0433
0.0207    0.0082
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0248    0.0248    0.0248    0.0248    0.0387    0.0394    0.0349    0.0804
0.0372    0.0302
```

```
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0036    0.0036    0.0037    0.0037    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0048    0.0078
            OCARBON:    ------    ------    ------    ------    0.0069    0.0112
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0043    0.0119    0.0192
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
           Total PM:    0.0248    0.0248    0.0248    0.0248    0.0325    0.0397
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0160    0.0164    0.0149    0.0164    0.0163    0.0173    0.0180    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
   Total Exhaust PM:    0.0174    0.0178    0.0162    0.0177    0.0176    0.0186    0.0193    0.0000
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
           Total PM:    0.0379    0.0423    0.0408    0.0422    0.0421    0.0432    0.0679    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0089    0.0071    0.0101    0.0100    0.0181    0.0178    0.0204    0.0305
            OCARBON:    0.0093    0.0073    0.0105    0.0104    0.0142    0.0140    0.0160    0.0096
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0186    0.0150    0.0212    0.0211    0.0330    0.0326    0.0374    0.0412
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
           Total PM:    0.0392    0.0395    0.0457    0.0456    0.0576    0.0571    0.0859    0.0898
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=25.0
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0038    0.0037    0.0037    0.0037    0.0160    ------    ------    ------
0.0205    0.0038
            ECARBON:    ------    ------    ------    ------    ------    0.0146    0.0058    0.0269    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0041    0.0083    0.0155    -----
-    0.0014
                SO4:    0.0004    0.0005    0.0005    0.0005    0.0015    0.0002    0.0002    0.0009
0.0001    0.0006
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0042    0.0175    0.0189    0.0143    0.0433
0.0206    0.0082
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0248    0.0248    0.0248    0.0248    0.0387    0.0394    0.0349    0.0804
0.0372    0.0302
                SO2:    0.0066    0.0088    0.0115    0.0095    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0037    0.0037    0.0037    0.0037    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0048    0.0078
            OCARBON:    ------    ------    ------    ------    0.0069    0.0112
                SO4:    0.0005    0.0005    0.0005    0.0005    0.0002    0.0003
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0043    0.0119    0.0192
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
           Total PM:    0.0247    0.0248    0.0248    0.0248    0.0325    0.0397
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0158    0.0162    0.0147    0.0162    0.0161    0.0171    0.0178    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0016    0.0016    0.0015    0.0015    0.0015    0.0015    0.0015    0.0000
   Total Exhaust PM:    0.0174    0.0178    0.0163    0.0177    0.0176    0.0186    0.0193    0.0000
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
           Total PM:    0.0379    0.0423    0.0408    0.0422    0.0421    0.0432    0.0679    0.0000
                SO2:    0.0159    0.0172    0.0173    0.0202    0.0199    0.0218    0.0230    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0089    0.0071    0.0101    0.0100    0.0181    0.0178    0.0204    0.0305
            OCARBON:    0.0093    0.0073    0.0105    0.0104    0.0142    0.0140    0.0160    0.0096
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0186    0.0150    0.0212    0.0211    0.0330    0.0326    0.0374    0.0412
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
```

```
           Total PM:    0.0392    0.0395    0.0457    0.0456    0.0576    0.0571    0.0859    0.0898
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=30
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0039    0.0037    0.0038    0.0037    0.0158    ------    ------    ------
0.0205    0.0039
            ECARBON:    ------    ------    ------    ------    ------    0.0146    0.0058    0.0269    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0041    0.0083    0.0155    -----
-    0.0014
                SO4:    0.0003    0.0005    0.0005    0.0005    0.0018    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0042    0.0176    0.0189    0.0143    0.0433
0.0206    0.0082
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0248    0.0248    0.0248    0.0248    0.0388    0.0394    0.0349    0.0804
0.0371    0.0302
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0165    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0037    0.0037    0.0038    0.0038    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0048    0.0078
            OCARBON:    ------    ------    ------    ------    0.0069    0.0112
                SO4:    0.0005    0.0005    0.0005    0.0005    0.0002    0.0003
   Total Exhaust PM:    0.0042    0.0042    0.0043    0.0043    0.0119    0.0192
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
           Total PM:    0.0247    0.0248    0.0248    0.0248    0.0325    0.0397
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0156    0.0160    0.0145    0.0159    0.0158    0.0169    0.0176    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
```

```
                SO4:    0.0018    0.0018    0.0018    0.0018    0.0018    0.0018    0.0018    0.0000
   Total Exhaust PM:    0.0174    0.0178    0.0163    0.0177    0.0176    0.0187    0.0194    0.0000
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
           Total PM:    0.0380    0.0424    0.0408    0.0423    0.0422    0.0432    0.0679    0.0000
                SO2:    0.0159    0.0171    0.0172    0.0202    0.0199    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0089    0.0071    0.0101    0.0100    0.0181    0.0178    0.0204    0.0305
            OCARBON:    0.0093    0.0073    0.0105    0.0104    0.0142    0.0140    0.0160    0.0096
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0186    0.0150    0.0212    0.0211    0.0330    0.0326    0.0374    0.0412
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
           Total PM:    0.0392    0.0395    0.0457    0.0456    0.0576    0.0571    0.0859    0.0898
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=35
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                             Calendar Year:  2016
                                     Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0040    0.0038    0.0038    0.0038    0.0156    ------    ------    ------
0.0205    0.0039
            ECARBON:    ------    ------    ------    ------    ------    0.0146    0.0058    0.0269    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0041    0.0083    0.0155    -----
-    0.0014
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0176    0.0189    0.0143    0.0433
0.0206    0.0082
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0248    0.0247    0.0248    0.0248    0.0388    0.0394    0.0349    0.0804
0.0371    0.0302
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
```

```
              Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
             GASPM:    0.0038    0.0038    0.0038    0.0038    ------    ------
           ECARBON:    ------    ------    ------    ------    0.0048    0.0078
           OCARBON:    ------    ------    ------    ------    0.0069    0.0112
               SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
  Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0119    0.0192
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
          Total PM:    0.0247    0.0247    0.0248    0.0248    0.0325    0.0397
               SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
               NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
             GASPM:    0.0155    0.0158    0.0143    0.0158    0.0157    0.0167    0.0174    0.0000
           ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
           OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
               SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
  Total Exhaust PM:    0.0175    0.0179    0.0163    0.0177    0.0176    0.0187    0.0194    0.0000
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
              Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
          Total PM:    0.0380    0.0424    0.0408    0.0423    0.0422    0.0432    0.0679    0.0000
               SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
               NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
              Lead:    ------    ------    ------    ------    ------    ------    ------    ------
             GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
           ECARBON:    0.0089    0.0071    0.0101    0.0100    0.0181    0.0178    0.0204    0.0305
           OCARBON:    0.0093    0.0073    0.0105    0.0104    0.0142    0.0140    0.0160    0.0096
               SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
  Total Exhaust PM:    0.0186    0.0150    0.0212    0.0211    0.0330    0.0326    0.0374    0.0412
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
          Total PM:    0.0392    0.0395    0.0457    0.0456    0.0576    0.0571    0.0859    0.0898
               SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
               NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=40
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
             GASPM:    0.0040    0.0038    0.0038    0.0038    0.0156    ------    ------    ------
0.0205    0.0039
           ECARBON:    ------    ------    ------    ------    ------    0.0146    0.0058    0.0269    -----
-    0.0024
```

```
            OCARBON:    ------    ------    ------    ------    ------    0.0041    0.0083    0.0155    -----
-    0.0014
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0176    0.0189    0.0143    0.0433
0.0206    0.0082
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0248    0.0247    0.0248    0.0248    0.0388    0.0394    0.0349    0.0804
0.0371    0.0302
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
             GASPM:    0.0038    0.0038    0.0038    0.0038    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0048    0.0078
            OCARBON:    ------    ------    ------    ------    0.0069    0.0112
                SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0119    0.0192
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
          Total PM:    0.0247    0.0247    0.0248    0.0248    0.0325    0.0397
               SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
               NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
             GASPM:    0.0155    0.0158    0.0143    0.0158    0.0157    0.0167    0.0174    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
   Total Exhaust PM:    0.0175    0.0179    0.0163    0.0177    0.0176    0.0187    0.0194    0.0000
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
              Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
          Total PM:    0.0380    0.0424    0.0408    0.0423    0.0422    0.0432    0.0679    0.0000
               SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
               NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
             GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0089    0.0071    0.0101    0.0100    0.0181    0.0178    0.0204    0.0305
            OCARBON:    0.0093    0.0073    0.0105    0.0104    0.0142    0.0140    0.0160    0.0096
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0186    0.0150    0.0212    0.0211    0.0330    0.0326    0.0374    0.0412
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
          Total PM:    0.0392    0.0395    0.0457    0.0456    0.0576    0.0571    0.0859    0.0898
               SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
               NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=45.
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #
```

```
                              Calendar Year:  2016
                                      Month:  July
                Gasoline Fuel Sulfur Content:   30. ppm
                  Diesel Fuel Sulfur Content:   15. ppm
                         Particle Size Cutoff: 10.00 Microns
                             Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0040    0.0038    0.0038    0.0038    0.0156    ------    ------    ------
0.0205    0.0039
            ECARBON:    ------    ------    ------    ------    ------    0.0146    0.0058    0.0269    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0041    0.0083    0.0155    -----
-    0.0014
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0176    0.0189    0.0143    0.0433
0.0206    0.0082
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0248    0.0247    0.0248    0.0248    0.0388    0.0394    0.0349    0.0804
0.0371    0.0302
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0038    0.0038    0.0038    0.0038    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0048    0.0078
            OCARBON:    ------    ------    ------    ------    0.0069    0.0112
                SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0119    0.0192
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
           Total PM:    0.0247    0.0247    0.0248    0.0248    0.0325    0.0397
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0155    0.0158    0.0143    0.0158    0.0157    0.0167    0.0174    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
   Total Exhaust PM:    0.0175    0.0179    0.0163    0.0177    0.0176    0.0187    0.0194    0.0000
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
           Total PM:    0.0380    0.0424    0.0408    0.0423    0.0422    0.0432    0.0679    0.0000
                SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
```

```
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0089    0.0071    0.0101    0.0100    0.0181    0.0178    0.0204    0.0305
            OCARBON:    0.0093    0.0073    0.0105    0.0104    0.0142    0.0140    0.0160    0.0096
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0186    0.0150    0.0212    0.0211    0.0330    0.0326    0.0374    0.0412
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
           Total PM:    0.0392    0.0395    0.0457    0.0456    0.0576    0.0571    0.0859    0.0898
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=50
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0040    0.0038    0.0038    0.0038    0.0156    ------    ------    ------
0.0205    0.0039
            ECARBON:    ------    ------    ------    ------    ------    0.0146    0.0058    0.0269    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0041    0.0083    0.0155    -----
-    0.0014
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0176    0.0189    0.0143    0.0433
0.0206    0.0082
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0248    0.0247    0.0248    0.0248    0.0388    0.0394    0.0349    0.0804
0.0371    0.0302
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0038    0.0038    0.0038    0.0038    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0048    0.0078
            OCARBON:    ------    ------    ------    ------    0.0069    0.0112
                SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0119    0.0192
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
           Total PM:    0.0247    0.0247    0.0248    0.0248    0.0325    0.0397
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
```

```
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0155    0.0158    0.0143    0.0158    0.0157    0.0167    0.0174    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
   Total Exhaust PM:    0.0175    0.0179    0.0163    0.0177    0.0176    0.0187    0.0194    0.0000
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
           Total PM:    0.0380    0.0424    0.0408    0.0423    0.0422    0.0432    0.0679    0.0000
                SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0089    0.0071    0.0101    0.0100    0.0181    0.0178    0.0204    0.0305
            OCARBON:    0.0093    0.0073    0.0105    0.0104    0.0142    0.0140    0.0160    0.0096
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0186    0.0150    0.0212    0.0211    0.0330    0.0326    0.0374    0.0412
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
           Total PM:    0.0392    0.0395    0.0457    0.0456    0.0576    0.0571    0.0859    0.0898
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=55
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                        Particle Size Cutoff: 10.00 Microns
                            Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0040    0.0038    0.0038    0.0038    0.0156    ------    ------    ------
0.0205    0.0039
            ECARBON:    ------    ------    ------    ------    ------    0.0146    0.0058    0.0269    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0041    0.0083    0.0155    -----
-    0.0014
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0176    0.0189    0.0143    0.0433
0.0206    0.0082
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0248    0.0247    0.0248    0.0248    0.0388    0.0394    0.0349    0.0804
0.0371    0.0302
```

```
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0038    0.0038    0.0038    0.0038    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0048    0.0078
            OCARBON:    ------    ------    ------    ------    0.0069    0.0112
                SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0119    0.0192
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
           Total PM:    0.0247    0.0247    0.0248    0.0248    0.0325    0.0397
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0155    0.0158    0.0143    0.0158    0.0157    0.0167    0.0174    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
   Total Exhaust PM:    0.0175    0.0179    0.0163    0.0177    0.0176    0.0187    0.0194    0.0000
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
           Total PM:    0.0380    0.0424    0.0408    0.0423    0.0422    0.0432    0.0679    0.0000
                SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0089    0.0071    0.0101    0.0100    0.0181    0.0178    0.0204    0.0305
            OCARBON:    0.0093    0.0073    0.0105    0.0104    0.0142    0.0140    0.0160    0.0096
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0186    0.0150    0.0212    0.0211    0.0330    0.0326    0.0374    0.0412
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
           Total PM:    0.0392    0.0395    0.0457    0.0456    0.0576    0.0571    0.0859    0.0898
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=60
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0040    0.0038    0.0038    0.0038    0.0156    ------    ------    ------
0.0205    0.0039
            ECARBON:    ------    ------    ------    ------    ------    0.0146    0.0058    0.0269    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0041    0.0083    0.0155    -----
-    0.0014
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0176    0.0189    0.0143    0.0433
0.0206    0.0082
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0086    0.0080    0.0080    0.0245
0.0040    0.0094
           Total PM:    0.0248    0.0247    0.0248    0.0248    0.0388    0.0394    0.0349    0.0804
0.0371    0.0302
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0038    0.0038    0.0038    0.0038    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0048    0.0078
            OCARBON:    ------    ------    ------    ------    0.0069    0.0112
                SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
   Total Exhaust PM:    0.0042    0.0042    0.0042    0.0042    0.0119    0.0192
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
           Total PM:    0.0247    0.0247    0.0248    0.0248    0.0325    0.0397
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0155    0.0158    0.0143    0.0158    0.0157    0.0167    0.0174    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
   Total Exhaust PM:    0.0175    0.0179    0.0163    0.0177    0.0176    0.0187    0.0194    0.0000
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
           Total PM:    0.0380    0.0424    0.0408    0.0423    0.0422    0.0432    0.0679    0.0000
                SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0089    0.0071    0.0101    0.0100    0.0181    0.0178    0.0204    0.0305
            OCARBON:    0.0093    0.0073    0.0105    0.0104    0.0142    0.0140    0.0160    0.0096
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0186    0.0150    0.0212    0.0211    0.0330    0.0326    0.0374    0.0412
              Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
               Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
```

Total PM:	0.0392	0.0395	0.0457	0.0456	0.0576	0.0571	0.0859	0.0898
SO2:	0.0073	0.0081	0.0093	0.0096	0.0109	0.0126	0.0144	0.0151
NH3:	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270

```
File      Run       Scenario  CY        EType     Pol #     Pol Name  LDGV      LDGT1     LDGT2     LDGT3     LDGT4     HDGV2B
          HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B    LDDV      LDDT12    HDDV2B    HDDV3     HDDV4
          HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B    MC        GAS BUS   URB BUS   COM BUS   LDDT34    ALL VEH   Month
          Altitude  TMin      Tmax      Nom RVP   Gas Sulfur          Dsl Sulfur          I/M?      Avg Spd   NGV?      E200
          E300      Arom      Olef      Benz      MTBE vol% MTBE MktFrac        ETBE vol% ETBE MktFrac        ETOH vol% ETOH
MktFrac   TAME vol% TAME MktFrac        Part Size Description
  1         1         1       2016      VMT       0         VMT           0.2812              0.1014              0.3373
              0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
              0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
              0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
              0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
              0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes         2.5
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     10.00      Baltimore City speED=2.5
  1         1         1       2016       1        11            Lead      0.0000              0.0000              0.0000
              0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
              0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA            0.0000              0.0000              NA        NA
          NA            0.0000          7         1          30.3      83.8       6.8       30.       15.     Yes         2.5
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     10.00      Baltimore City speED=2.5
  1         1         1       2016       1        10           GASPM      0.0037              0.0036              0.0036
              0.0037              0.0037              0.0161              0.0164              0.0149              0.0164
              0.0163              0.0173              0.0180              0.0000          NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA            0.0205              0.0254              NA        NA
          NA            0.0038          7         1          30.3      83.8       6.8       30.       15.     Yes         2.5
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     10.00      Baltimore City speED=2.5
  1         1         1       2016       1         9         ECARBON  NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0146            0.0048
0.0089        0.0071              0.0101              0.0100              0.0181              0.0178              0.0204
              0.0305          NA        NA        NA        0.0440              0.0653              0.0078              0.0024
          7         1          30.3      83.8       6.8       30.       15.     Yes         2.5     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
           Baltimore City speED=2.5
  1         1         1       2016       1         8         OCARBON  NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0041            0.0069
0.0093        0.0073              0.0105              0.0104              0.0142              0.0140              0.0160
              0.0096          NA        NA        0.0346              0.0513              0.0112              0.0014
          7         1          30.3      83.8       6.8       30.       15.     Yes         2.5     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
           Baltimore City speED=2.5
  1         1         1       2016       1         7            SO4      0.0005              0.0006              0.0006
              0.0006              0.0006              0.0013              0.0013              0.0013              0.0013
              0.0013              0.0013              0.0013              0.0000              0.0002              0.0002
              0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
              0.0010              0.0011              0.0002              0.0012              0.0015              0.0011
              0.0003              0.0006          7         1          30.3      83.8       6.8       30.       15.     Yes
           2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000     10.00      Baltimore City speED=2.5
  1         1         1       2016       9        14           Brake      0.0125              0.0125              0.0125
              0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
              0.0125              0.0125              0.0125              0.0000              0.0125              0.0125
              0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
              0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
              0.0125              0.0125          7         1          30.3      83.8       6.8       30.       15.     Yes
           2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000     10.00      Baltimore City speED=2.5
  1         1         1       2016      10        15            Tire      0.0080              0.0080              0.0080
              0.0080              0.0080              0.0080              0.0120              0.0120              0.0120
              0.0120              0.0120              0.0360              0.0000              0.0080              0.0080
              0.0080              0.0120              0.0120              0.0120              0.0120              0.0120
              0.0360              0.0360              0.0040              0.0120              0.0120              0.0120
              0.0080              0.0094          7         1          30.3      83.8       6.8       30.       15.     Yes
           2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000     10.00      Baltimore City speED=2.5
  1         1         1       2016       1        12            SO2      0.0066              0.0086              0.0088
              0.0115              0.0115              0.0160              0.0173              0.0174              0.0203
              0.0200              0.0219              0.0231              0.0000              0.0029              0.0043
              0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
              0.0144              0.0151              0.0033              0.0254              0.0218              0.0153
              0.0056              0.0092          7         1          30.3      83.8       6.8       30.       15.     Yes
           2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000     10.00      Baltimore City speED=2.5
  1         1         1       2016       1        13            NH3      0.1008              0.1006              0.1017
              0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
              0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
              0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
              0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
              0.0068              0.0921          7         1          30.3      83.8       6.8       30.       15.     Yes
           2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000     10.00      Baltimore City speED=2.5
File      Run       Scenario  CY        EType     Pol #     Pol Name  LDGV      LDGT1     LDGT2     LDGT3     LDGT4     HDGV2B
          HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B    LDDV      LDDT12    HDDV2B    HDDV3     HDDV4
          HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B    MC        GAS BUS   URB BUS   COM BUS   LDDT34    ALL VEH   Month
          Altitude  TMin      Tmax      Nom RVP   Gas Sulfur          Dsl Sulfur          I/M?      Avg Spd   NGV?      E200
          E300      Arom      Olef      Benz      MTBE vol% MTBE MktFrac        ETBE vol% ETBE MktFrac        ETOH vol% ETOH
MktFrac   TAME vol% TAME MktFrac        Part Size Description
  1         1         1       2016      MPG       0         MPG          24.1                18.5                18.5
             14.2              14.2              10.1               9.4                9.3                8.0
              8.1               7.4               7.1               0.0               32.4               22.1
             13.0              11.7              10.2               9.9                8.7                7.5
              6.6               6.3              50.0               6.4                4.4                6.2
             17.0              16.1          7         1          30.3      83.8       6.8       30.       15.     Yes
```

2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=2.5
1 1 1 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 2.5
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=2.5
1 1 1 2016 1 1 VOC 2.077 1.197 1.288
2.380 2.477 2.539 2.504 2.158 2.267
2.262 2.352 2.420 0.000 0.178 0.154
0.359 0.396 0.493 0.542 0.647 0.797
0.885 1.009 9.465 4.574 0.779 1.164
0.468 1.685 7 1 30.3 83.8 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=2.5
1 1 1 2016 1 2 CO 13.280 11.021 11.734
16.737 17.099 27.080 32.954 32.161 37.555
37.175 43.771 46.619 0.000 2.072 0.928
0.963 0.952 1.462 1.587 1.481 1.832
2.275 2.884 83.520 51.678 5.356 3.628
1.402 12.724 7 1 30.3 83.8 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=2.5
1 1 1 2016 1 3 NOX 0.420 0.273 0.383
0.797 1.067 0.534 0.583 0.474 0.551
0.546 0.605 0.645 0.000 0.168 0.104
1.260 1.189 1.951 2.119 2.216 2.742
2.969 3.763 1.288 1.392 8.848 6.486
0.396 0.735 7 1 30.3 83.8 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=2.5
1 1 1 2016 1 4 CO2 368.1 479.3 479.3
623.8 623.8 875.9 944.9 948.8 1107.4
1089.9 1190.7 1254.8 0.0 314.1 460.4
785.4 872.9 997.9 1030.3 1168.5 1351.4
1544.4 1615.8 177.4 1375.8 2335.6 1646.1
598.6 568.2 7 1 30.3 83.8 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=2.5
1 1 1 2016 3 1 Hot Soak 0.055 0.019 0.019
0.048 0.048 0.051 0.051 0.057 0.057
0.057 0.057 0.057 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.072 0.077 0.000 0.000
0.000 0.033 7 1 30.3 83.8 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=2.5
1 1 1 2016 4 1 Diurnal 0.018 0.006 0.006
0.016 0.016 0.022 0.022 0.027 0.027
0.027 0.027 0.027 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.059 0.037 0.000 0.000
0.000 0.011 7 1 30.3 83.8 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=2.5
1 1 1 2016 5 1 Resting 0.040 0.010 0.010
0.033 0.033 0.039 0.039 0.042 0.042
0.042 0.042 0.042 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.224 0.057 0.000 0.000
0.000 0.023 7 1 30.3 83.8 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=2.5
1 1 1 2016 6 1 Running 1.636 0.892 0.898
1.542 1.542 1.677 1.677 1.412 1.412
1.412 1.412 1.412 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.940 0.000 0.000
0.000 1.141 7 1 30.3 83.8 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=2.5
1 1 1 2016 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.009 0.009
0.009 0.009 0.009 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.008 0.000 0.000
0.000 0.008 7 1 30.3 83.8 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=2.5
1 1 1 2016 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 7 1 30.3 83.8 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=2.5
1 1 1 2016 11 1 Total Evap 1.757 0.936
0.942 1.650 1.650 1.799 1.799 1.548 1.548
1.548 1.548 1.548 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.354 3.120 0.000 0.000

0.000 1.215 7 1 30.3 83.8 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=2.5
1 1 2 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 5.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=5.0
1 1 2 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 5.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=5.0
1 1 2 2016 1 10 GASPM 0.0037 0.0036 0.0036
0.0037 0.0037 0.0161 0.0164 0.0149 0.0164
0.0163 0.0173 0.0180 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0254 NA NA
NA 0.0038 7 1 30.3 83.8 6.8 30. 15. Yes 5.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=5.0
1 1 2 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0146 0.0048
0.0089 0.0071 0.0101 0.0100 0.0181 0.0178 0.0204
0.0305 NA NA 0.0440 0.0653 0.0078 0.0024
7 1 30.3 83.8 6.8 30. 15. Yes 5.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=5.0
1 1 2 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0041 0.0069
0.0093 0.0073 0.0105 0.0104 0.0142 0.0140 0.0160
0.0096 NA NA 0.0346 0.0513 0.0112 0.0014
7 1 30.3 83.8 6.8 30. 15. Yes 5.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=5.0
1 1 2 2016 1 7 SO4 0.0005 0.0006 0.0006
0.0006 0.0006 0.0013 0.0013 0.0013 0.0013
0.0013 0.0013 0.0013 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0012 0.0015 0.0011
0.0003 0.0006 7 1 30.3 83.8 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=5.0
1 1 2 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=5.0
1 1 2 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 7 1 30.3 83.8 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=5.0
1 1 2 2016 1 12 SO2 0.0066 0.0086 0.0088
0.0115 0.0115 0.0160 0.0173 0.0174 0.0203
0.0200 0.0219 0.0231 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0254 0.0218 0.0153
0.0056 0.0092 7 1 30.3 83.8 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=5.0
1 1 2 2016 1 13 NH3 0.1008 0.1006 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0921 7 1 30.3 83.8 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=5.0
1 1 2 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 7 1 30.3 83.8 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=5.0
1 1 2 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 5.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=5.0

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1         1         2       2016       1         1         VOC           0.782               0.468               0.528
             1.008               1.072               1.161               1.133               1.005               1.091
             1.087               1.159               1.214               0.000               0.160               0.137
             0.315               0.348               0.433               0.476               0.568               0.701
             0.778               0.887               6.247               2.104               0.685               1.022
             0.419               0.720          7         1          30.3      83.8       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         2       2016       1         2         CO            8.558               7.230               7.781
            10.884              11.166              21.637              26.331              25.697              30.007
            29.703              34.974              37.249               0.000               1.739               0.773
             0.786               0.777               1.193               1.296               1.209               1.496
             1.857               2.354              49.435              41.292               4.373               2.962
             1.174               8.478          7         1          30.3      83.8       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         2       2016       1         3         NOX           0.365               0.240               0.337
             0.699               0.932               0.548               0.598               0.486               0.565
             0.561               0.620               0.662               0.000               0.152               0.093
             1.133               1.069               1.753               1.905               1.992               2.464
             2.676               3.396               1.209               1.428               7.944               5.824
             0.357               0.654          7         1          30.3      83.8       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         2       2016       1         4         CO2           368.1               479.3               479.3
             623.8               623.8               875.9               944.9               948.8              1107.4
            1089.9              1190.7              1254.8                 0.0               314.1               460.4
             785.4               872.9               997.9              1030.3              1168.5              1351.4
            1544.4              1615.8               177.4              1375.8              2335.6              1646.1
             598.6               568.2          7         1          30.3      83.8       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         2       2016       3         1         Hot Soak      0.055               0.019               0.019
             0.048               0.048               0.051               0.051               0.057               0.057
             0.057               0.057               0.057               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.072               0.077               0.000               0.000
             0.000               0.033          7         1          30.3      83.8       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         2       2016       4         1         Diurnal       0.018               0.006               0.006
             0.016               0.016               0.022               0.022               0.027               0.027
             0.027               0.027               0.027               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.059               0.037               0.000               0.000
             0.000               0.011          7         1          30.3      83.8       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         2       2016       5         1         Resting       0.040               0.010               0.010
             0.033               0.033               0.039               0.039               0.042               0.042
             0.042               0.042               0.042               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.224               0.057               0.000               0.000
             0.000               0.023          7         1          30.3      83.8       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         2       2016       6         1         Running       0.439               0.250               0.252
             0.414               0.414               0.449               0.449               0.383               0.383
             0.383               0.383               0.383               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.766               0.000               0.000
             0.000               0.311          7         1          30.3      83.8       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         2       2016       7         1         Crankcase     0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.009               0.009
             0.009               0.009               0.009               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.008               0.000               0.000
             0.000               0.008          7         1          30.3      83.8       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         2       2016       8         1         Refueling     0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000          NA                  NA
         NA                  NA                  NA                  NA                  NA                  NA
         NA                  NA                  0.000               0.000               NA                  NA
         NA                  NA                  7         1          30.3      83.8       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         2       2016      11         1         Total Evap                0.559               0.294
0.296        0.521               0.521               0.571               0.571               0.518               0.518
             0.518               0.518               0.518               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.354               0.946               0.000               0.000
             0.000               0.385          7         1          30.3      83.8       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016      VMT       0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes         5.0
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        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       1        11            Lead      0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA          0.0000              0.0000              NA        NA
        NA            0.0000         7         1          30.3      83.8       6.8       30.       15.     Yes         5.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       1        10          GASPM      0.0037              0.0036              0.0036
            0.0037              0.0037              0.0161              0.0164              0.0149              0.0164
            0.0163              0.0173              0.0180              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA          0.0205              0.0254              NA        NA
        NA            0.0038         7         1          30.3      83.8       6.8       30.       15.     Yes         5.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       1         9         ECARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0146            0.0048
0.0089      0.0071              0.0101              0.0100              0.0181              0.0178              0.0204
            0.0305          NA        NA              0.0440              0.0653              0.0078              0.0024
        7         1          30.3      83.8       6.8       30.       15.     Yes         5.0     No         0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
         Baltimore City speED=5.0
1         1         3       2016       1         8         OCARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0041            0.0069
0.0093      0.0073              0.0105              0.0104              0.0142              0.0140              0.0160
            0.0096          NA        NA              0.0346              0.0513              0.0112              0.0014
        7         1          30.3      83.8       6.8       30.       15.     Yes         5.0     No         0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
         Baltimore City speED=5.0
1         1         3       2016       1         7             SO4      0.0005              0.0006              0.0006
            0.0006              0.0006              0.0013              0.0013              0.0013              0.0013
            0.0013              0.0013              0.0013              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0002              0.0012              0.0015              0.0011
            0.0003              0.0006         7         1          30.3      83.8       6.8       30.       15.     Yes
         5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       9        14           Brake      0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0000              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125         7         1          30.3      83.8       6.8       30.       15.     Yes
         5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016      10        15            Tire      0.0080              0.0080              0.0080
            0.0080              0.0080              0.0080              0.0120              0.0120              0.0120
            0.0120              0.0120              0.0360              0.0000              0.0080              0.0080
            0.0080              0.0120              0.0120              0.0120              0.0120              0.0120
            0.0360              0.0360              0.0040              0.0120              0.0120              0.0120
            0.0080              0.0094         7         1          30.3      83.8       6.8       30.       15.     Yes
         5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       1        12             SO2      0.0066              0.0086              0.0088
            0.0115              0.0115              0.0160              0.0173              0.0174              0.0203
            0.0200              0.0219              0.0231              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0254              0.0218              0.0153
            0.0056              0.0092         7         1          30.3      83.8       6.8       30.       15.     Yes
         5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       1        13             NH3      0.1008              0.1006              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0921         7         1          30.3      83.8       6.8       30.       15.     Yes
         5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       MPG       0          MPG            24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1         7         1          30.3      83.8       6.8       30.       15.     Yes
         5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       VMT       0          VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022         1         7         1          30.3      83.8       6.8       30.       15.     Yes         5.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       1         1          VOC           0.782               0.468               0.528
             1.008               1.072               1.161               1.133               1.005               1.091
             1.087               1.159               1.214               0.000               0.160               0.137
             0.315               0.348               0.433               0.476               0.568               0.701
             0.778               0.887               6.247               2.104               0.685               1.022
             0.419               0.720         7         1          30.3      83.8       6.8       30.       15.     Yes
         5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=5.0
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1         1         3       2016       1         2         CO            8.558               7.230               7.781
          10.884              11.166              21.637              26.331              25.697              30.007
          29.703              34.974              37.249               0.000               1.739               0.773
           0.786               0.777               1.193               1.296               1.209               1.496
           1.857               2.354              49.435              41.292               4.373               2.962
           1.174               8.478          7         1          30.3      83.8       6.8       30.       15.     Yes
        5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       1         3         NOX           0.365               0.240               0.337
           0.699               0.932               0.548               0.598               0.486               0.565
           0.561               0.620               0.662               0.000               0.152               0.093
           1.133               1.069               1.753               1.905               1.992               2.464
           2.676               3.396               1.209               1.428               7.944               5.824
           0.357               0.654          7         1          30.3      83.8       6.8       30.       15.     Yes
        5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       1         4         CO2           368.1               479.3               479.3
           623.8               623.8               875.9               944.9               948.8              1107.4
          1089.9              1190.7              1254.8                 0.0               314.1               460.4
           785.4               872.9               997.9              1030.3              1168.5              1351.4
          1544.4              1615.8               177.4              1375.8              2335.6              1646.1
           598.6               568.2          7         1          30.3      83.8       6.8       30.       15.     Yes
        5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       3         1        Hot Soak       0.055               0.019               0.019
           0.048               0.048               0.051               0.051               0.057               0.057
           0.057               0.057               0.057               0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.072               0.077               0.000               0.000
           0.000               0.033          7         1          30.3      83.8       6.8       30.       15.     Yes
        5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       4         1        Diurnal        0.018               0.006               0.006
           0.016               0.016               0.022               0.022               0.027               0.027
           0.027               0.027               0.027               0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.059               0.037               0.000               0.000
           0.000               0.011          7         1          30.3      83.8       6.8       30.       15.     Yes
        5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       5         1        Resting        0.040               0.010               0.010
           0.033               0.033               0.039               0.039               0.042               0.042
           0.042               0.042               0.042               0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.224               0.057               0.000               0.000
           0.000               0.023          7         1          30.3      83.8       6.8       30.       15.     Yes
        5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       6         1        Running        0.439               0.250               0.252
           0.414               0.414               0.449               0.449               0.383               0.383
           0.383               0.383               0.383               0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.000               0.766               0.000               0.000
           0.000               0.311          7         1          30.3      83.8       6.8       30.       15.     Yes
        5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       7         1        Crankcase      0.008               0.009               0.009
           0.010               0.010               0.010               0.010               0.009               0.009
           0.009               0.009               0.009               0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.000               0.008               0.000               0.000
           0.000               0.008          7         1          30.3      83.8       6.8       30.       15.     Yes
        5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016       8         1        Refueling      0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.000               0.000          NA                  NA
      NA                  NA                  NA                  NA                  NA                  NA
      NA                  NA                      0.000               0.000          NA                  NA
      NA                  NA                  7         1          30.3      83.8       6.8       30.       15.     Yes
        5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         3       2016      11         1        Total Evap              0.559               0.294
0.296          0.521               0.521               0.571               0.571               0.518               0.518
           0.518               0.518               0.518               0.000               0.000               0.000
           0.000               0.000               0.000               0.000               0.000               0.000
           0.000               0.000               0.354               0.946               0.000               0.000
           0.000               0.385          7         1          30.3      83.8       6.8       30.       15.     Yes
        5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     0.000     10.00      Baltimore City speED=5.0
1         1         4       2016      VMT        0         VMT           0.2812              0.1014              0.3373
          0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
          0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
          0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
          0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
          0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        10.0
      No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     10.00      Baltimore City speED=10.0
1         1         4       2016       1        11            Lead      0.0000              0.0000              0.0000
          0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
          0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
      NA        NA        NA        NA        NA        NA            0.0000              0.0000              NA        NA
      NA            0.0000          7         1          30.3      83.8       6.8       30.       15.     Yes        10.0
      No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
      0.000     0.000     10.00      Baltimore City speED=10.0
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1 1 4 2016 1 10 GASPM 0.0037 0.0036 0.0036
0.0037 0.0037 0.0161 0.0164 0.0149 0.0164
0.0163 0.0173 0.0180 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0254 NA NA
NA 0.0038 7 1 30.3 83.8 6.8 30. 15. Yes 10.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0146 0.0048
0.0089 0.0071 0.0101 0.0100 0.0181 0.0178 0.0204
0.0305 NA NA 0.0440 0.0653 0.0078 0.0024
7 1 30.3 83.8 6.8 30. 15. Yes 10.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=10.0
1 1 4 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0041 0.0069
0.0093 0.0073 0.0105 0.0104 0.0142 0.0140 0.0160
0.0096 NA NA 0.0346 0.0513 0.0112 0.0014
7 1 30.3 83.8 6.8 30. 15. Yes 10.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=10.0
1 1 4 2016 1 7 SO4 0.0005 0.0006 0.0006
0.0006 0.0006 0.0013 0.0013 0.0013 0.0013
0.0013 0.0013 0.0013 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0012 0.0015 0.0011
0.0003 0.0006 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 1 12 SO2 0.0066 0.0086 0.0088
0.0115 0.0115 0.0160 0.0173 0.0174 0.0203
0.0200 0.0219 0.0231 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0254 0.0218 0.0153
0.0056 0.0092 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 1 13 NH3 0.1008 0.1006 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0921 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 10.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 1 1 VOC 0.451 0.266 0.308
0.604 0.648 0.682 0.663 0.604 0.661
0.658 0.705 0.741 0.000 0.131 0.112
0.247 0.273 0.340 0.374 0.446 0.550
0.610 0.696 3.805 1.224 0.538 0.803
0.343 0.434 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 1 2 CO 6.377 5.397 5.881
8.110 8.355 14.395 17.518 17.096 19.964
19.762 23.268 24.783 0.000 1.279 0.560
0.542 0.536 0.823 0.894 0.833 1.031
1.280 1.623 25.369 27.472 3.015 2.042
0.859 6.251 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 1 3 NOX 0.292 0.194 0.275
0.576 0.774 0.576 0.628 0.511 0.594

0.589 0.652 0.695 0.000 0.127 0.078
0.940 0.887 1.455 1.580 1.652 2.044
2.233 2.841 1.141 1.501 6.576 4.823
0.298 0.542 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 1 4 CO2 368.1 479.3 479.3
623.8 623.8 875.9 944.9 948.8 1107.4
1089.9 1190.7 1254.8 0.0 314.1 460.4
785.4 872.9 997.9 1030.3 1168.5 1351.4
1544.4 1615.8 177.4 1375.8 2335.6 1646.1
598.6 568.2 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 3 1 Hot Soak 0.055 0.019 0.019
0.048 0.048 0.051 0.051 0.057 0.057
0.057 0.057 0.057 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.072 0.077 0.000 0.000
0.000 0.033 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 4 1 Diurnal 0.018 0.006 0.006
0.016 0.016 0.022 0.022 0.027 0.027
0.027 0.027 0.027 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.059 0.037 0.000 0.000
0.000 0.011 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 5 1 Resting 0.040 0.010 0.010
0.033 0.033 0.039 0.039 0.042 0.042
0.042 0.042 0.042 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.224 0.057 0.000 0.000
0.000 0.023 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 6 1 Running 0.169 0.101 0.101
0.159 0.159 0.173 0.173 0.150 0.150
0.150 0.150 0.150 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.285 0.000 0.000
0.000 0.122 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.009 0.009
0.009 0.009 0.009 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.008 0.000 0.000
0.000 0.008 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 11 1 Total Evap 0.290 0.145
0.146 0.267 0.267 0.295 0.295 0.285 0.285
0.285 0.285 0.285 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.354 0.465 0.000 0.000
0.000 0.196 7 1 30.3 83.8 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 5 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 15.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 15.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 1 10 GASPM 0.0037 0.0036 0.0036
0.0037 0.0037 0.0161 0.0164 0.0149 0.0164
0.0163 0.0173 0.0180 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0254 NA NA
NA 0.0038 7 1 30.3 83.8 6.8 30. 15. Yes 15.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0146 0.0048
0.0089 0.0071 0.0101 0.0100 0.0181 0.0178 0.0204

0.0305 NA NA 0.0440 0.0653 0.0078 0.0024
7 1 30.3 83.8 6.8 30. 15. Yes 15.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=15.0
1 1 5 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0041 0.0069
0.0093 0.0073 0.0105 0.0104 0.0142 0.0140 0.0160
0.0096 NA NA 0.0346 0.0513 0.0112 0.0014
7 1 30.3 83.8 6.8 30. 15. Yes 15.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=15.0
1 1 5 2016 1 7 SO4 0.0005 0.0006 0.0006
0.0006 0.0006 0.0013 0.0013 0.0013 0.0013
0.0013 0.0013 0.0013 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0012 0.0015 0.0011
0.0003 0.0006 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 1 12 SO2 0.0066 0.0086 0.0088
0.0115 0.0115 0.0160 0.0173 0.0174 0.0203
0.0200 0.0219 0.0231 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0254 0.0218 0.0153
0.0056 0.0092 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 1 13 NH3 0.1008 0.1006 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0921 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 15.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 1 1 VOC 0.368 0.209 0.244
0.487 0.523 0.503 0.491 0.455 0.493
0.492 0.524 0.548 0.000 0.111 0.093
0.199 0.219 0.273 0.300 0.358 0.441
0.490 0.559 2.971 0.890 0.432 0.644
0.289 0.348 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 1 2 CO 5.738 4.804 5.278
7.247 7.481 10.119 12.314 12.018 14.033
13.891 16.356 17.420 0.000 0.994 0.428
0.391 0.387 0.594 0.645 0.601 0.744
0.924 1.172 17.570 19.311 2.176 1.474
0.664 5.474 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 1 3 NOX 0.247 0.164 0.235
0.499 0.679 0.603 0.659 0.536 0.622
0.617 0.683 0.729 0.000 0.110 0.067
0.808 0.762 1.250 1.358 1.420 1.756
1.929 2.461 1.156 1.573 5.641 4.139
0.258 0.470 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 1 4 CO2 368.1 479.3 479.3
623.8 623.8 875.9 944.9 948.8 1107.4
1089.9 1190.7 1254.8 0.0 314.1 460.4
785.4 872.9 997.9 1030.3 1168.5 1351.4

1544.4 1615.8 177.4 1375.8 2335.6 1646.1
598.6 568.2 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 3 1 Hot Soak 0.055 0.019 0.019
0.048 0.048 0.051 0.051 0.057 0.057
0.057 0.057 0.057 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.072 0.077 0.000 0.000
0.000 0.033 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 4 1 Diurnal 0.018 0.006 0.006
0.016 0.016 0.022 0.022 0.027 0.027
0.027 0.027 0.027 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.059 0.037 0.000 0.000
0.000 0.011 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 5 1 Resting 0.040 0.010 0.010
0.033 0.033 0.039 0.039 0.042 0.042
0.042 0.042 0.042 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.224 0.057 0.000 0.000
0.000 0.023 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 6 1 Running 0.115 0.067 0.067
0.105 0.105 0.117 0.117 0.102 0.102
0.102 0.102 0.102 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.192 0.000 0.000
0.000 0.081 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.009 0.009
0.009 0.009 0.009 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.008 0.000 0.000
0.000 0.008 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 11 1 Total Evap 0.235 0.111
0.111 0.213 0.213 0.239 0.239 0.237 0.237
0.237 0.237 0.237 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.354 0.372 0.000 0.000
0.000 0.156 7 1 30.3 83.8 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 6 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 1 10 GASPM 0.0037 0.0036 0.0036
0.0037 0.0037 0.0160 0.0164 0.0149 0.0164
0.0163 0.0173 0.0180 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0254 NA NA
NA 0.0038 7 1 30.3 83.8 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0146 0.0048
0.0089 0.0071 0.0101 0.0100 0.0181 0.0178 0.0204
0.0305 NA NA 0.0440 0.0653 0.0078 0.0024
7 1 30.3 83.8 6.8 30. 15. Yes 20.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=20.0
1 1 6 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0041 0.0069
0.0093 0.0073 0.0105 0.0104 0.0142 0.0140 0.0160
0.0096 NA NA 0.0346 0.0513 0.0112 0.0014
7 1 30.3 83.8 6.8 30. 15. Yes 20.0 No 0.00 0.00

0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=20.0
1 1 6 2016 1 7 SO4 0.0005 0.0006 0.0006
0.0006 0.0006 0.0013 0.0013 0.0013 0.0013
0.0013 0.0013 0.0013 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0012 0.0015 0.0011
0.0003 0.0006 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 1 12 SO2 0.0066 0.0086 0.0088
0.0115 0.0115 0.0160 0.0173 0.0174 0.0203
0.0200 0.0219 0.0231 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0254 0.0218 0.0153
0.0056 0.0092 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 1 13 NH3 0.1008 0.1006 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0921 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 1 1 VOC 0.323 0.176 0.207
0.424 0.456 0.395 0.386 0.363 0.391
0.390 0.413 0.430 0.000 0.096 0.079
0.163 0.180 0.224 0.246 0.294 0.362
0.402 0.458 2.587 0.690 0.354 0.528
0.249 0.298 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 1 2 CO 5.395 4.483 4.954
6.789 7.016 7.515 9.145 8.925 10.422
10.317 12.147 12.938 0.000 0.814 0.345
0.296 0.292 0.448 0.487 0.454 0.562
0.698 0.885 13.980 14.342 1.643 1.113
0.541 5.044 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 1 3 NOX 0.224 0.149 0.215
0.461 0.631 0.631 0.689 0.560 0.651
0.646 0.715 0.762 0.000 0.098 0.060
0.720 0.679 1.114 1.210 1.264 1.564
1.726 2.207 1.215 1.645 5.015 3.680
0.231 0.429 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 1 4 CO2 368.1 479.3 479.3
623.8 623.8 875.9 944.9 948.8 1107.4
1089.9 1190.7 1254.8 0.0 314.1 460.4
785.4 872.9 997.9 1030.3 1168.5 1351.4
1544.4 1615.8 177.4 1375.8 2335.6 1646.1
598.6 568.2 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 3 1 Hot Soak 0.055 0.019 0.019
0.048 0.048 0.051 0.051 0.057 0.057
0.057 0.057 0.057 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.072 0.077 0.000 0.000

0.000 0.033 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 4 1 Diurnal 0.018 0.006 0.006
0.016 0.016 0.022 0.022 0.027 0.027
0.027 0.027 0.027 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.059 0.037 0.000 0.000
0.000 0.011 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 5 1 Resting 0.040 0.010 0.010
0.033 0.033 0.039 0.039 0.042 0.042
0.042 0.042 0.042 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.224 0.057 0.000 0.000
0.000 0.023 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 6 1 Running 0.083 0.045 0.045
0.074 0.074 0.085 0.085 0.073 0.073
0.073 0.073 0.073 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.141 0.000 0.000
0.000 0.057 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.009 0.009
0.009 0.009 0.009 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.008 0.000 0.000
0.000 0.008 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 11 1 Total Evap 0.204 0.089
0.089 0.182 0.182 0.207 0.207 0.208 0.208
0.208 0.208 0.208 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.354 0.321 0.000 0.000
0.000 0.132 7 1 30.3 83.8 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 7 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 1 10 GASPM 0.0038 0.0037 0.0037
0.0037 0.0037 0.0158 0.0162 0.0147 0.0162
0.0161 0.0171 0.0178 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0252 NA NA
NA 0.0038 7 1 30.3 83.8 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA 0.0146 0.0048
0.0089 0.0071 0.0101 0.0100 0.0181 0.0178 0.0204
0.0305 NA NA 0.0440 0.0653 0.0078 0.0024
7 1 30.3 83.8 6.8 30. 15. Yes 25.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=25.0
1 1 7 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0041 0.0069
0.0093 0.0073 0.0105 0.0104 0.0142 0.0140 0.0160
0.0096 NA NA 0.0346 0.0513 0.0112 0.0014
7 1 30.3 83.8 6.8 30. 15. Yes 25.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=25.0
1 1 7 2016 1 7 SO4 0.0004 0.0005 0.0005
0.0005 0.0005 0.0016 0.0016 0.0015 0.0015
0.0015 0.0015 0.0015 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0014 0.0015 0.0011
0.0003 0.0006 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0

1 1 7 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 1 12 SO2 0.0066 0.0086 0.0088
0.0115 0.0115 0.0159 0.0172 0.0173 0.0202
0.0199 0.0218 0.0230 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0253 0.0218 0.0153
0.0056 0.0092 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 1 13 NH3 0.1008 0.1006 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0921 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 1 1 VOC 0.299 0.161 0.190
0.392 0.420 0.330 0.323 0.310 0.330
0.329 0.346 0.359 0.000 0.085 0.069
0.137 0.151 0.188 0.206 0.246 0.304
0.337 0.384 2.350 0.567 0.297 0.443
0.219 0.270 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 1 2 CO 5.218 4.316 4.786
6.558 6.783 5.897 7.176 7.003 8.178
8.095 9.531 10.152 0.000 0.697 0.291
0.234 0.231 0.354 0.385 0.359 0.444
0.552 0.699 11.779 11.253 1.299 0.880
0.461 4.810 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 1 3 NOX 0.211 0.140 0.203
0.438 0.602 0.659 0.719 0.585 0.680
0.674 0.746 0.796 0.000 0.091 0.056
0.664 0.626 1.028 1.117 1.166 1.443
1.599 2.047 1.288 1.718 4.622 3.392
0.214 0.405 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 1 4 CO2 368.1 479.3 479.3
623.8 623.8 875.9 944.9 948.8 1107.4
1089.9 1190.7 1254.8 0.0 314.1 460.4
785.4 872.9 997.9 1030.3 1168.5 1351.4
1544.4 1615.8 177.4 1375.8 2335.6 1646.1
598.6 568.2 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 3 1 Hot Soak 0.055 0.019 0.019
0.048 0.048 0.051 0.051 0.057 0.057
0.057 0.057 0.057 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.072 0.077 0.000 0.000
0.000 0.033 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 4 1 Diurnal 0.018 0.006 0.006
0.016 0.016 0.022 0.022 0.027 0.027
0.027 0.027 0.027 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.059 0.037 0.000 0.000
0.000 0.011 7 1 30.3 83.8 6.8 30. 15. Yes

25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 5 1 Resting 0.040 0.010 0.010
0.033 0.033 0.039 0.039 0.042 0.042
0.042 0.042 0.042 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.224 0.057 0.000 0.000
0.000 0.023 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 6 1 Running 0.067 0.037 0.037
0.060 0.060 0.069 0.069 0.059 0.059
0.059 0.059 0.059 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.113 0.000 0.000
0.000 0.046 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.009 0.009
0.009 0.009 0.009 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.008 0.000 0.000
0.000 0.008 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 11 1 Total Evap 0.188 0.081
0.081 0.168 0.168 0.191 0.191 0.195 0.195
0.195 0.195 0.195 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.354 0.293 0.000 0.000
0.000 0.121 7 1 30.3 83.8 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=25.0
1 1 8 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 1 10 GASPM 0.0039 0.0037 0.0037
0.0038 0.0038 0.0156 0.0160 0.0145 0.0159
0.0158 0.0169 0.0176 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0250 NA NA
NA 0.0039 7 1 30.3 83.8 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0146 0.0048
0.0089 0.0071 0.0101 0.0100 0.0181 0.0178 0.0204
0.0305 NA NA 0.0440 0.0653 0.0078 0.0024
7 1 30.3 83.8 6.8 30. 15. Yes 30.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=30
1 1 8 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0041 0.0069
0.0093 0.0073 0.0105 0.0104 0.0142 0.0140 0.0160
0.0096 NA NA 0.0346 0.0513 0.0112 0.0014
7 1 30.3 83.8 6.8 30. 15. Yes 30.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=30
1 1 8 2016 1 7 SO4 0.0003 0.0005 0.0005
0.0005 0.0005 0.0018 0.0018 0.0018 0.0018
0.0018 0.0018 0.0018 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0016 0.0015 0.0011
0.0003 0.0005 7 1 30.3 83.8 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=30

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1         1         8       2016      10        15            Tire      0.0080              0.0080              0.0080
            0.0080              0.0080              0.0080              0.0120              0.0120              0.0120
            0.0120              0.0120              0.0360              0.0000              0.0080              0.0080
            0.0080              0.0120              0.0120              0.0120              0.0120              0.0120
            0.0360              0.0360              0.0040              0.0120              0.0120              0.0120
            0.0080              0.0094          7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=30
1         1         8       2016       1        12             SO2      0.0067              0.0086              0.0088
            0.0115              0.0115              0.0159              0.0171              0.0172              0.0202
            0.0199              0.0217              0.0229              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0252              0.0218              0.0153
            0.0056              0.0092          7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=30
1         1         8       2016       1        13             NH3      0.1008              0.1006              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0921          7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=30
1         1         8       2016      MPG        0         MPG            24.1                18.5                18.5
              14.2                14.2                10.1                 9.4                 9.3                 8.0
               8.1                 7.4                 7.1                 0.0                32.4                22.1
              13.0                11.7                10.2                 9.9                 8.7                 7.5
               6.6                 6.3                50.0                 6.4                 4.4                 6.2
              17.0                16.1          7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=30
1         1         8       2016      VMT        0         VMT      0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022         1         7         1          30.3      83.8       6.8       30.       15.     Yes        30.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore City speED=30
1         1         8       2016       1         1         VOC       0.283               0.152               0.179
             0.372               0.400               0.287               0.282               0.274               0.289
             0.289               0.302               0.312               0.000               0.077               0.062
             0.117               0.129               0.161               0.177               0.211               0.260
             0.289               0.330               2.172               0.486               0.255               0.380
             0.197               0.253          7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=30
1         1         8       2016       1         2         CO        5.165               4.267               4.740
             6.489               6.713               4.889               5.949               5.806               6.780
             6.711               7.902               8.416               0.000               0.621               0.255
             0.193               0.191               0.293               0.318               0.297               0.367
             0.456               0.578              10.187               9.329               1.074               0.728
             0.409               4.716          7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=30
1         1         8       2016       1         3         NOX       0.201               0.134               0.195
             0.422               0.582               0.687               0.750               0.610               0.708
             0.703               0.778               0.829               0.000               0.087               0.053
             0.635               0.599               0.983               1.068               1.115               1.380
             1.532               1.964               1.356               1.790               4.416               3.242
             0.205               0.390          7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=30
1         1         8       2016       1         4         CO2       368.1               479.3               479.3
             623.8               623.8               875.9               944.9               948.8              1107.4
            1089.9              1190.7              1254.8                 0.0               314.1               460.4
             785.4               872.9               997.9              1030.3              1168.5              1351.4
            1544.4              1615.8               177.4              1375.8              2335.6              1646.1
             598.6               568.2          7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=30
1         1         8       2016       3         1        Hot Soak      0.055               0.019               0.019
             0.048               0.048               0.051               0.051               0.057               0.057
             0.057               0.057               0.057               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.072               0.077               0.000               0.000
             0.000               0.033          7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=30
1         1         8       2016       4         1        Diurnal       0.018               0.006               0.006
             0.016               0.016               0.022               0.022               0.027               0.027
             0.027               0.027               0.027               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.059               0.037               0.000               0.000
             0.000               0.011          7         1          30.3      83.8       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=30
1         1         8       2016       5         1        Resting       0.040               0.010               0.010
             0.033               0.033               0.039               0.039               0.042               0.042
             0.042               0.042               0.042               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.224               0.057               0.000               0.000
             0.000               0.023          7         1          30.3      83.8       6.8       30.       15.     Yes
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30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 6 1 Running 0.056 0.031 0.031
0.050 0.050 0.057 0.057 0.049 0.049
0.049 0.049 0.049 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.094 0.000 0.000
0.000 0.039 7 1 30.3 83.8 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.009 0.009
0.009 0.009 0.009 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.008 0.000 0.000
0.000 0.008 7 1 30.3 83.8 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 7 1 30.3 83.8 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 11 1 Total Evap 0.177 0.075
0.075 0.158 0.158 0.179 0.179 0.185 0.185
0.185 0.185 0.185 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.354 0.274 0.000 0.000
0.000 0.113 7 1 30.3 83.8 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=30
1 1 9 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 35.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 35.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 1 10 GASPM 0.0040 0.0038 0.0038
0.0038 0.0038 0.0155 0.0158 0.0143 0.0158
0.0157 0.0167 0.0174 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0249 NA NA
NA 0.0039 7 1 30.3 83.8 6.8 30. 15. Yes 35.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA 0.0146 0.0048
0.0089 0.0071 0.0101 0.0100 0.0181 0.0178 0.0204
0.0305 NA NA 0.0440 0.0653 0.0078 0.0024
7 1 30.3 83.8 6.8 30. 15. Yes 35.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=35
1 1 9 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0041 0.0069
0.0093 0.0073 0.0105 0.0104 0.0142 0.0140 0.0160
0.0096 NA NA 0.0346 0.0513 0.0112 0.0014
7 1 30.3 83.8 6.8 30. 15. Yes 35.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=35
1 1 9 2016 1 7 SO4 0.0002 0.0004 0.0004
0.0004 0.0004 0.0020 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0018 0.0015 0.0011
0.0003 0.0005 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35

1 1 9 2016 1 12 SO2 0.0067 0.0086 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0201
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0218 0.0153
0.0056 0.0092 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 1 13 NH3 0.1008 0.1006 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0921 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 35.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 1 1 VOC 0.272 0.145 0.172
0.358 0.385 0.257 0.253 0.249 0.261
0.261 0.271 0.279 0.000 0.071 0.056
0.103 0.113 0.141 0.155 0.185 0.228
0.253 0.289 2.034 0.431 0.223 0.333
0.181 0.240 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 1 2 CO 5.202 4.298 4.777
6.550 6.775 4.282 5.211 5.085 5.938
5.878 6.921 7.372 0.000 0.572 0.233
0.167 0.165 0.254 0.276 0.257 0.318
0.395 0.501 9.007 8.172 0.930 0.630
0.376 4.721 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 1 3 NOX 0.196 0.131 0.191
0.416 0.574 0.714 0.780 0.634 0.737
0.731 0.809 0.863 0.000 0.087 0.053
0.629 0.594 0.974 1.058 1.105 1.367
1.519 1.947 1.408 1.862 4.374 3.211
0.203 0.386 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 1 4 CO2 368.1 479.3 479.3
623.8 623.8 875.9 944.9 948.8 1107.4
1089.9 1190.7 1254.8 0.0 314.1 460.4
785.4 872.9 997.9 1030.3 1168.5 1351.4
1544.4 1615.8 177.4 1375.8 2335.6 1646.1
598.6 568.2 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 3 1 Hot Soak 0.055 0.019 0.019
0.048 0.048 0.051 0.051 0.057 0.057
0.057 0.057 0.057 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.072 0.077 0.000 0.000
0.000 0.033 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 4 1 Diurnal 0.018 0.006 0.006
0.016 0.016 0.022 0.022 0.027 0.027
0.027 0.027 0.027 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.059 0.037 0.000 0.000
0.000 0.011 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 5 1 Resting 0.040 0.010 0.010
0.033 0.033 0.039 0.039 0.042 0.042
0.042 0.042 0.042 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.224 0.057 0.000 0.000
0.000 0.023 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 6 1 Running 0.047 0.026 0.026
0.042 0.042 0.048 0.048 0.041 0.041
0.041 0.041 0.041 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.080 0.000 0.000
0.000 0.033 7 1 30.3 83.8 6.8 30. 15. Yes

35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.009 0.009
0.009 0.009 0.009 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.008 0.000
0.000 0.008 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 11 1 Total Evap 0.168 0.070
0.070 0.150 0.150 0.170 0.170 0.177 0.177
0.177 0.177 0.177 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.354 0.260 0.000 0.000
0.000 0.107 7 1 30.3 83.8 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 10 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 40.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 40.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 1 10 GASPM 0.0040 0.0038 0.0038
0.0038 0.0038 0.0155 0.0158 0.0143 0.0158
0.0157 0.0167 0.0174 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0249 NA NA
NA 0.0039 7 1 30.3 83.8 6.8 30. 15. Yes 40.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0146 0.0048
0.0089 0.0071 0.0101 0.0100 0.0181 0.0178 0.0204
0.0305 NA NA 0.0440 0.0653 0.0078 0.0024
7 1 30.3 83.8 6.8 30. 15. Yes 40.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=40
1 1 10 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0041 0.0069
0.0093 0.0073 0.0105 0.0104 0.0142 0.0140 0.0160
0.0096 NA NA 0.0346 0.0513 0.0112 0.0014
7 1 30.3 83.8 6.8 30. 15. Yes 40.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=40
1 1 10 2016 1 7 SO4 0.0002 0.0004 0.0004
0.0004 0.0004 0.0020 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0018 0.0015 0.0011
0.0003 0.0005 7 1 30.3 83.8 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120
0.0080 0.0094 7 1 30.3 83.8 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 1 12 SO2 0.0067 0.0086 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0201
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0218 0.0153
0.0056 0.0092 7 1 30.3 83.8 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=40

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1         1        10       2016       1        13             NH3      0.1008              0.1006              0.1017
          0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
          0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
          0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
          0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
          0.0068              0.0921          7         1          30.3      83.8       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore City speED=40
1         1        10       2016      MPG       0         MPG            24.1                18.5                18.5
     14.2                14.2                10.1                 9.4                 9.3                 8.0
      8.1                 7.4                 7.1                 0.0                32.4                22.1
     13.0                11.7                10.2                 9.9                 8.7                 7.5
      6.6                 6.3                50.0                 6.4                 4.4                 6.2
     17.0                16.1          7         1          30.3      83.8       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore City speED=40
1         1        10       2016      VMT       0         VMT          0.2812              0.1014              0.3373
          0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
          0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
          0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
          0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
          0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        40.0
No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
0.000     0.000     10.00      Baltimore City speED=40
1         1        10       2016       1         1         VOC           0.266               0.142               0.170
     0.352               0.377               0.236               0.232               0.231               0.241
     0.241               0.250               0.257               0.000               0.066               0.052
     0.092               0.101               0.126               0.139               0.166               0.204
     0.227               0.259               1.937               0.392               0.200               0.298
     0.169               0.233          7         1          30.3      83.8       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     10.00      Baltimore City speED=40
1         1        10       2016       1         2         CO            5.417               4.496               4.990
     6.843               7.073               3.963               4.822               4.706               5.495
     5.440               6.405               6.822               0.000               0.543               0.219
     0.152               0.150               0.230               0.250               0.233               0.288
     0.358               0.454               8.187               7.562               0.842               0.571
     0.355               4.901          7         1          30.3      83.8       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore City speED=40
1         1        10       2016       1         3         NOX           0.200               0.134               0.195
     0.421               0.579               0.742               0.810               0.659               0.765
     0.759               0.840               0.896               0.000               0.089               0.054
     0.646               0.609               1.000               1.086               1.134               1.404
     1.557               1.995               1.442               1.935               4.493               3.298
     0.208               0.394          7         1          30.3      83.8       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore City speED=40
1         1        10       2016       1         4         CO2           368.1               479.3               479.3
     623.8               623.8               875.9               944.9               948.8              1107.4
    1089.9              1190.7              1254.8                 0.0               314.1               460.4
     785.4               872.9               997.9              1030.3              1168.5              1351.4
    1544.4              1615.8               177.4              1375.8              2335.6              1646.1
     598.6               568.2          7         1          30.3      83.8       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore City speED=40
1         1        10       2016       3         1        Hot Soak       0.055               0.019               0.019
     0.048               0.048               0.051               0.051               0.057               0.057
     0.057               0.057               0.057               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.072               0.077               0.000               0.000
     0.000               0.033          7         1          30.3      83.8       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore City speED=40
1         1        10       2016       4         1        Diurnal        0.018               0.006               0.006
     0.016               0.016               0.022               0.022               0.027               0.027
     0.027               0.027               0.027               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.059               0.037               0.000               0.000
     0.000               0.011          7         1          30.3      83.8       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore City speED=40
1         1        10       2016       5         1        Resting        0.040               0.010               0.010
     0.033               0.033               0.039               0.039               0.042               0.042
     0.042               0.042               0.042               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.224               0.057               0.000               0.000
     0.000               0.023          7         1          30.3      83.8       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore City speED=40
1         1        10       2016       6         1        Running        0.040               0.022               0.022
     0.036               0.036               0.041               0.041               0.035               0.035
     0.035               0.035               0.035               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.000               0.069               0.000               0.000
     0.000               0.028          7         1          30.3      83.8       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000     10.00      Baltimore City speED=40
1         1        10       2016       7         1        Crankcase      0.008               0.009               0.009
     0.010               0.010               0.010               0.010               0.009               0.009
     0.009               0.009               0.009               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.000               0.008               0.000               0.000
     0.000               0.008          7         1          30.3      83.8       6.8       30.       15.     Yes
```

40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 7 1 30.3 83.8 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 11 1 Total Evap 0.161 0.066
0.066 0.144 0.144 0.163 0.163 0.170 0.170
0.170 0.170 0.170 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.354 0.249 0.000 0.000
0.000 0.102 7 1 30.3 83.8 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=40
1 1 11 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 45.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=45.
1 1 11 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 45.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=45.
1 1 11 2016 1 10 GASPM 0.0040 0.0038 0.0038
0.0038 0.0038 0.0155 0.0158 0.0143 0.0158
0.0157 0.0167 0.0174 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0249 NA NA
NA 0.0039 7 1 30.3 83.8 6.8 30. 15. Yes 45.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=45.
1 1 11 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0146 0.0048
0.0089 0.0071 0.0101 0.0100 0.0181 0.0178 0.0204
0.0305 NA NA 0.0440 0.0653 0.0078 0.0024
7 1 30.3 83.8 6.8 30. 15. Yes 45.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=45.
1 1 11 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA 0.0041 0.0069
0.0093 0.0073 0.0105 0.0104 0.0142 0.0140 0.0160
0.0096 NA NA 0.0346 0.0513 0.0112 0.0014
7 1 30.3 83.8 6.8 30. 15. Yes 45.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=45.
1 1 11 2016 1 7 SO4 0.0002 0.0004 0.0004
0.0004 0.0004 0.0020 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0018 0.0015 0.0011
0.0003 0.0005 7 1 30.3 83.8 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=45.
1 1 11 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=45.
1 1 11 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 7 1 30.3 83.8 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=45.
1 1 11 2016 1 12 SO2 0.0067 0.0086 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0201
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0218 0.0153
0.0056 0.0092 7 1 30.3 83.8 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=45.
1 1 11 2016 1 13 NH3 0.1008 0.1006 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0921 7 1 30.3 83.8 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=45.

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1         1        11       2016      MPG       0         MPG             24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1          7         1          30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=45.
1         1        11       2016      VMT       0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        45.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore City speED=45.
1         1        11       2016       1         1         VOC           0.260               0.139               0.168
             0.347               0.371               0.221               0.218               0.218               0.227
             0.227               0.234               0.240               0.000               0.063               0.049
             0.084               0.093               0.116               0.127               0.152               0.187
             0.208               0.237               1.882               0.365               0.183               0.273
             0.160               0.227          7         1          30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=45.
1         1        11       2016       1         2         CO            5.632               4.695               5.202
             7.137               7.371               3.874               4.715               4.601               5.373
             5.319               6.263               6.670               0.000               0.528               0.212
             0.144               0.142               0.218               0.237               0.221               0.273
             0.339               0.430               7.670               7.394               0.799               0.541
             0.345               5.092          7         1          30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=45.
1         1        11       2016       1         3         NOX           0.204               0.138               0.200
             0.429               0.586               0.770               0.841               0.684               0.794
             0.788               0.872               0.930               0.000               0.094               0.058
             0.687               0.648               1.063               1.155               1.207               1.493
             1.652               2.113               1.469               2.007               4.785               3.512
             0.221               0.409          7         1          30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=45.
1         1        11       2016       1         4         CO2         368.1               479.3               479.3
             623.8               623.8               875.9               944.9               948.8              1107.4
            1089.9              1190.7              1254.8                 0.0               314.1               460.4
             785.4               872.9               997.9              1030.3              1168.5              1351.4
            1544.4              1615.8               177.4              1375.8              2335.6              1646.1
             598.6               568.2          7         1          30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=45.
1         1        11       2016       3         1        Hot Soak       0.055               0.019               0.019
             0.048               0.048               0.051               0.051               0.057               0.057
             0.057               0.057               0.057               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.072               0.077               0.000               0.000
             0.000               0.033          7         1          30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=45.
1         1        11       2016       4         1        Diurnal        0.018               0.006               0.006
             0.016               0.016               0.022               0.022               0.027               0.027
             0.027               0.027               0.027               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.059               0.037               0.000               0.000
             0.000               0.011          7         1          30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=45.
1         1        11       2016       5         1        Resting        0.040               0.010               0.010
             0.033               0.033               0.039               0.039               0.042               0.042
             0.042               0.042               0.042               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.224               0.057               0.000               0.000
             0.000               0.023          7         1          30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=45.
1         1        11       2016       6         1        Running        0.034               0.019               0.019
             0.031               0.031               0.034               0.034               0.029               0.029
             0.029               0.029               0.029               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.059               0.000               0.000
             0.000               0.024          7         1          30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=45.
1         1        11       2016       7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.009               0.009
             0.009               0.009               0.009               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.008               0.000               0.000
             0.000               0.008          7         1          30.3      83.8       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=45.
1         1        11       2016       8         1        Refueling      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000              NA                  NA
        NA                  NA                  NA                  NA                  NA                  NA
        NA                  NA                      0.000               0.000              NA                  NA
        NA                  NA                  7         1          30.3      83.8       6.8       30.       15.     Yes
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          45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=45.
 1         1        11       2016       11         1        Total Evap              0.155              0.063
0.063          0.139              0.139              0.157              0.157              0.165              0.165
               0.165              0.165              0.165              0.000              0.000              0.000
               0.000              0.000              0.000              0.000              0.000              0.000
               0.000              0.000              0.354              0.239              0.000              0.000
               0.000              0.098          7         1         30.3      83.8       6.8       30.       15.     Yes
          45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=45.
 1         1        12       2016      VMT        0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1         30.3      83.8       6.8       30.       15.     Yes        50.0
         No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     10.00      Baltimore City speED=50
 1         1        12       2016       1        11            Lead      0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000           NA        NA        NA        NA
         NA        NA        NA        NA        NA        NA           0.0000              0.0000           NA        NA
         NA            0.0000          7         1         30.3      83.8       6.8       30.       15.     Yes        50.0
         No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     10.00      Baltimore City speED=50
 1         1        12       2016       1        10           GASPM      0.0040              0.0038              0.0038
            0.0038              0.0038              0.0155              0.0158              0.0143              0.0158
            0.0157              0.0167              0.0174              0.0000           NA        NA        NA        NA
         NA        NA        NA        NA        NA        NA           0.0205              0.0249           NA        NA
         NA            0.0039          7         1         30.3      83.8       6.8       30.       15.     Yes        50.0
         No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     10.00      Baltimore City speED=50
 1         1        12       2016       1         9         ECARBON  NA        NA        NA        NA        NA        NA
         NA        NA        NA        NA        NA        NA        NA            0.0146              0.0048
0.0089          0.0071              0.0101              0.0100              0.0181              0.0178              0.0204
            0.0305          NA        NA              0.0440              0.0653              0.0078              0.0024
         7         1         30.3      83.8       6.8       30.       15.     Yes        50.0     No         0.00      0.00
          0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
          Baltimore City speED=50
 1         1        12       2016       1         8         OCARBON  NA        NA        NA        NA        NA        NA
         NA        NA        NA        NA        NA        NA        NA            0.0041              0.0069
0.0093          0.0073              0.0105              0.0104              0.0142              0.0140              0.0160
            0.0096          NA        NA              0.0346              0.0513              0.0112              0.0014
         7         1         30.3      83.8       6.8       30.       15.     Yes        50.0     No         0.00      0.00
          0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
          Baltimore City speED=50
 1         1        12       2016       1         7             SO4      0.0002              0.0004              0.0004
            0.0004              0.0004              0.0020              0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0001              0.0018              0.0015              0.0011
            0.0003              0.0005          7         1         30.3      83.8       6.8       30.       15.     Yes
          50.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=50
 1         1        12       2016       9        14           Brake      0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0000              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125          7         1         30.3      83.8       6.8       30.       15.     Yes
          50.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=50
 1         1        12       2016      10        15            Tire      0.0080              0.0080              0.0080
            0.0080              0.0080              0.0080              0.0120              0.0120              0.0120
            0.0120              0.0120              0.0360              0.0000              0.0080              0.0080
            0.0080              0.0120              0.0120              0.0120              0.0120              0.0120
            0.0360              0.0360              0.0040              0.0120              0.0120              0.0120
            0.0080              0.0094          7         1         30.3      83.8       6.8       30.       15.     Yes
          50.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=50
 1         1        12       2016       1        12             SO2      0.0067              0.0086              0.0088
            0.0115              0.0115              0.0158              0.0171              0.0172              0.0201
            0.0198              0.0217              0.0229              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0252              0.0218              0.0153
            0.0056              0.0092          7         1         30.3      83.8       6.8       30.       15.     Yes
          50.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=50
 1         1        12       2016       1        13             NH3      0.1008              0.1006              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0921          7         1         30.3      83.8       6.8       30.       15.     Yes
          50.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=50
 1         1        12       2016      MPG        0         MPG          24.1                18.5                18.5
              14.2                14.2                10.1                 9.4                 9.3                 8.0
               8.1                 7.4                 7.1                 0.0                32.4                22.1
              13.0                11.7                10.2                 9.9                 8.7                 7.5
               6.6                 6.3                50.0                 6.4                 4.4                 6.2
              17.0                16.1          7         1         30.3      83.8       6.8       30.       15.     Yes
          50.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=50
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1         1        12       2016      VMT       0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        50.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore City speED=50
1         1        12       2016       1         1         VOC           0.256               0.137               0.166
            0.342               0.365               0.209               0.207               0.208               0.217
            0.216               0.223               0.229               0.000               0.061               0.047
            0.079               0.087               0.108               0.119               0.142               0.175
            0.194               0.222               1.863               0.345               0.171               0.256
            0.154               0.223          7         1          30.3      83.8       6.8       30.       15.     Yes
         50.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=50
1         1        12       2016       1         2         CO            5.848               4.894               5.416
            7.431               7.670               4.002               4.871               4.753               5.551
            5.495               6.469               6.890               0.000               0.526               0.211
            0.143               0.141               0.216               0.235               0.219               0.271
            0.337               0.427               7.458               7.638               0.793               0.537
            0.344               5.293          7         1          30.3      83.8       6.8       30.       15.     Yes
         50.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=50
1         1        12       2016       1         3         NOX           0.209               0.142               0.205
            0.436               0.593               0.798               0.871               0.708               0.823
            0.816               0.903               0.963               0.000               0.103               0.063
            0.757               0.714               1.172               1.273               1.330               1.646
            1.813               2.315               1.552               2.080               5.282               3.876
            0.242               0.432          7         1          30.3      83.8       6.8       30.       15.     Yes
         50.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=50
1         1        12       2016       1         4         CO2         368.1               479.3               479.3
            623.8               623.8               875.9               944.9               948.8              1107.4
           1089.9              1190.7              1254.8                 0.0               314.1               460.4
            785.4               872.9               997.9              1030.3              1168.5              1351.4
           1544.4              1615.8               177.4              1375.8              2335.6              1646.1
            598.6               568.2          7         1          30.3      83.8       6.8       30.       15.     Yes
         50.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=50
1         1        12       2016       3         1        Hot Soak       0.055               0.019               0.019
            0.048               0.048               0.051               0.051               0.057               0.057
            0.057               0.057               0.057               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.072               0.077               0.000               0.000
            0.000               0.033          7         1          30.3      83.8       6.8       30.       15.     Yes
         50.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=50
1         1        12       2016       4         1        Diurnal        0.018               0.006               0.006
            0.016               0.016               0.022               0.022               0.027               0.027
            0.027               0.027               0.027               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.059               0.037               0.000               0.000
            0.000               0.011          7         1          30.3      83.8       6.8       30.       15.     Yes
         50.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=50
1         1        12       2016       5         1        Resting        0.040               0.010               0.010
            0.033               0.033               0.039               0.039               0.042               0.042
            0.042               0.042               0.042               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.224               0.057               0.000               0.000
            0.000               0.023          7         1          30.3      83.8       6.8       30.       15.     Yes
         50.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=50
1         1        12       2016       6         1        Running        0.028               0.016               0.016
            0.027               0.027               0.029               0.029               0.024               0.024
            0.024               0.024               0.024               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.050               0.000               0.000
            0.000               0.020          7         1          30.3      83.8       6.8       30.       15.     Yes
         50.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=50
1         1        12       2016       7         1        Crankcase      0.008               0.009               0.009
            0.010               0.010               0.010               0.010               0.009               0.009
            0.009               0.009               0.009               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.008               0.000               0.000
            0.000               0.008          7         1          30.3      83.8       6.8       30.       15.     Yes
         50.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=50
1         1        12       2016       8         1        Refueling      0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.000               0.000                NA                  NA
        NA                  NA                  NA                  NA                  NA                  NA
        NA                  NA                  0.000               0.000                NA                  NA
        NA                  NA                  7         1          30.3      83.8       6.8       30.       15.     Yes
         50.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=50
1         1        12       2016      11         1        Total Evap              0.149               0.060
0.060       0.135               0.135               0.151               0.151               0.160               0.160
            0.160               0.160               0.160               0.000               0.000               0.000
            0.000               0.000               0.000               0.000               0.000               0.000
            0.000               0.000               0.354               0.230               0.000               0.000
            0.000               0.094          7         1          30.3      83.8       6.8       30.       15.     Yes
```

50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=50
1 1 13 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 55.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 7 1 30.3 83.8 6.8 30. 15. Yes 55.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 1 10 GASPM 0.0040 0.0038 0.0038
0.0038 0.0038 0.0155 0.0158 0.0143 0.0158
0.0157 0.0167 0.0174 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0249 NA NA
NA 0.0039 7 1 30.3 83.8 6.8 30. 15. Yes 55.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0146 0.0048
0.0089 0.0071 0.0101 0.0100 0.0181 0.0178 0.0204
0.0305 NA NA 0.0440 0.0653 0.0078 0.0024
7 1 30.3 83.8 6.8 30. 15. Yes 55.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=55
1 1 13 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0041 0.0069
0.0093 0.0073 0.0105 0.0104 0.0142 0.0140 0.0160
0.0096 NA NA 0.0346 0.0513 0.0112 0.0014
7 1 30.3 83.8 6.8 30. 15. Yes 55.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=55
1 1 13 2016 1 7 SO4 0.0002 0.0004 0.0004
0.0004 0.0004 0.0020 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0018 0.0015 0.0011
0.0003 0.0005 7 1 30.3 83.8 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 7 1 30.3 83.8 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 7 1 30.3 83.8 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 1 12 SO2 0.0067 0.0086 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0201
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0218 0.0153
0.0056 0.0092 7 1 30.3 83.8 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 1 13 NH3 0.1008 0.1006 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0921 7 1 30.3 83.8 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 7 1 30.3 83.8 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0026 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 7 1 30.3 83.8 6.8 30. 15. Yes 55.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=55

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1         1         13       2016       1         1         VOC           0.252               0.135               0.165
             0.337               0.360               0.202               0.199               0.202               0.210
             0.210               0.216               0.221               0.000               0.059               0.046
             0.075               0.083               0.104               0.114               0.136               0.168
             0.186               0.212               1.863               0.331               0.164               0.245
             0.151               0.219           7         1          30.3      83.8       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=55
1         1         13       2016       1         2         CO            6.064               5.094               5.630
             7.727               7.970               4.368               5.316               5.188               6.058
             5.997               7.061               7.521               0.000               0.536               0.216
             0.148               0.146               0.225               0.244               0.228               0.282
             0.350               0.443               7.458               8.337               0.823               0.558
             0.351               5.506           7         1          30.3      83.8       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=55
1         1         13       2016       1         3         NOX           0.214               0.146               0.210
             0.444               0.601               0.825               0.901               0.733               0.851
             0.845               0.935               0.997               0.000               0.117               0.072
             0.865               0.816               1.338               1.454               1.520               1.880
             2.060               2.625               1.712               2.152               6.044               4.434
             0.275               0.463           7         1          30.3      83.8       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=55
1         1         13       2016       1         4         CO2           368.1               479.3               479.3
             623.8               623.8               875.9               944.9               948.8              1107.4
            1089.9              1190.7              1254.8                 0.0               314.1               460.4
             785.4               872.9               997.9              1030.3              1168.5              1351.4
            1544.4              1615.8               177.4              1375.8              2335.6              1646.1
             598.6               568.2           7         1          30.3      83.8       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=55
1         1         13       2016       3         1        Hot Soak       0.055               0.019               0.019
             0.048               0.048               0.051               0.051               0.057               0.057
             0.057               0.057               0.057               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.072               0.077               0.000               0.000
             0.000               0.033           7         1          30.3      83.8       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=55
1         1         13       2016       4         1        Diurnal        0.018               0.006               0.006
             0.016               0.016               0.022               0.022               0.027               0.027
             0.027               0.027               0.027               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.059               0.037               0.000               0.000
             0.000               0.011           7         1          30.3      83.8       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=55
1         1         13       2016       5         1        Resting        0.040               0.010               0.010
             0.033               0.033               0.039               0.039               0.042               0.042
             0.042               0.042               0.042               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.224               0.057               0.000               0.000
             0.000               0.023           7         1          30.3      83.8       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=55
1         1         13       2016       6         1        Running        0.023               0.013               0.013
             0.022               0.022               0.024               0.024               0.020               0.020
             0.020               0.020               0.020               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.042               0.000               0.000
             0.000               0.017           7         1          30.3      83.8       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=55
1         1         13       2016       7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.009               0.009
             0.009               0.009               0.009               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.008               0.000               0.000
             0.000               0.008           7         1          30.3      83.8       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=55
1         1         13       2016       8         1        Refueling      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000          NA                  NA
         NA                  NA                  NA                  NA                  NA                  NA
         NA                  NA                  0.000               0.000               NA                  NA
         NA                  NA                  7         1          30.3      83.8       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=55
1         1         13       2016      11         1        Total Evap                0.144               0.057
0.057        0.130               0.130               0.146               0.146               0.156               0.156
             0.156               0.156               0.156               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.354               0.222               0.000               0.000
             0.000               0.091           7         1          30.3      83.8       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=55
1         1         14       2016      VMT       0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1          30.3      83.8       6.8       30.       15.     Yes        60.0
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        No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore City speED=60
 1        1        14       2016       1        11            Lead      0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA          0.0000              0.0000              NA        NA
        NA            0.0000        7        1         30.3      83.8       6.8       30.       15.     Yes        60.0
        No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore City speED=60
 1        1        14       2016       1        10           GASPM      0.0040              0.0038              0.0038
            0.0038              0.0038              0.0155              0.0158              0.0143              0.0158
            0.0157              0.0167              0.0174              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA          0.0205              0.0249              NA        NA
        NA            0.0039        7        1         30.3      83.8       6.8       30.       15.     Yes        60.0
        No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore City speED=60
 1        1        14       2016       1         9         ECARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0146            0.0048
0.0089      0.0071              0.0101              0.0100              0.0181              0.0178              0.0204
            0.0305          NA        NA              0.0440              0.0653              0.0078              0.0024
        7        1         30.3      83.8       6.8       30.       15.     Yes        60.0     No        0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
         Baltimore City speED=60
 1        1        14       2016       1         8         OCARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0041            0.0069
0.0093      0.0073              0.0105              0.0104              0.0142              0.0140              0.0160
            0.0096          NA        NA              0.0346              0.0513              0.0112              0.0014
        7        1         30.3      83.8       6.8       30.       15.     Yes        60.0     No        0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     10.00
         Baltimore City speED=60
 1        1        14       2016       1         7             SO4      0.0002              0.0004              0.0004
            0.0004              0.0004              0.0020              0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0001              0.0018              0.0015              0.0011
            0.0003              0.0005          7        1         30.3      83.8       6.8       30.       15.     Yes
         60.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore City speED=60
 1        1        14       2016       9        14           Brake      0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0000              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125              0.0125              0.0125              0.0125              0.0125
            0.0125              0.0125          7        1         30.3      83.8       6.8       30.       15.     Yes
         60.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore City speED=60
 1        1        14       2016      10        15            Tire      0.0080              0.0080              0.0080
            0.0080              0.0080              0.0080              0.0120              0.0120              0.0120
            0.0120              0.0120              0.0360              0.0000              0.0080              0.0080
            0.0080              0.0120              0.0120              0.0120              0.0120              0.0120
            0.0360              0.0360              0.0040              0.0120              0.0120              0.0120
            0.0080              0.0094          7        1         30.3      83.8       6.8       30.       15.     Yes
         60.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=60
 1        1        14       2016       1        12             SO2      0.0067              0.0086              0.0088
            0.0115              0.0115              0.0158              0.0171              0.0172              0.0201
            0.0198              0.0217              0.0229              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0252              0.0218              0.0153
            0.0056              0.0092          7        1         30.3      83.8       6.8       30.       15.     Yes
         60.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=60
 1        1        14       2016       1        13             NH3      0.1008              0.1006              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0921          7        1         30.3      83.8       6.8       30.       15.     Yes
         60.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=60
 1        1        14       2016      MPG        0          MPG            24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1          7        1         30.3      83.8       6.8       30.       15.     Yes
         60.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=60
 1        1        14       2016      VMT        0          VMT          0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0026              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         7         1         30.3      83.8       6.8       30.       15.     Yes        60.0
        No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     10.00      Baltimore City speED=60
 1        1        14       2016       1         1          VOC           0.249               0.133               0.165
             0.333               0.355               0.198               0.195               0.198               0.206
             0.206               0.213               0.218               0.000               0.059               0.045
             0.074               0.081               0.101               0.111               0.133               0.164
             0.182               0.208               2.198               0.324               0.160               0.239
             0.149               0.218          7        1         30.3      83.8       6.8       30.       15.     Yes
         60.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000     10.00      Baltimore City speED=60
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1         1         14       2016       1         2         CO            6.280               5.295               5.845
             8.023               8.270               5.037               6.130               5.983               6.986
             6.915               8.143               8.672               0.000               0.560               0.227
             0.161               0.159               0.244               0.265               0.247               0.306
             0.380               0.482              12.684               9.613               0.895               0.606
             0.367               5.743          7         1          30.3      83.8       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=60
1         1         14       2016       1         3         NOX           0.218               0.150               0.215
             0.453               0.610               0.853               0.932               0.758               0.880
             0.873               0.966               1.031               0.000               0.138               0.085
             1.023               0.965               1.584               1.720               1.799               2.226
             2.424               3.081               1.871               2.224               7.167               5.256
             0.323               0.507          7         1          30.3      83.8       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=60
1         1         14       2016       1         4         CO2           368.1               479.3               479.3
             623.8               623.8               875.9               944.9               948.8              1107.4
            1089.9              1190.7              1254.8                 0.0               314.1               460.4
             785.4               872.9               997.9              1030.3              1168.5              1351.4
            1544.4              1615.8               177.4              1375.8              2335.6              1646.1
             598.6               568.2          7         1          30.3      83.8       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=60
1         1         14       2016       3         1        Hot Soak       0.055               0.019               0.019
             0.048               0.048               0.051               0.051               0.057               0.057
             0.057               0.057               0.057               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.072               0.077               0.000               0.000
             0.000               0.033          7         1          30.3      83.8       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=60
1         1         14       2016       4         1        Diurnal        0.018               0.006               0.006
             0.016               0.016               0.022               0.022               0.027               0.027
             0.027               0.027               0.027               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.059               0.037               0.000               0.000
             0.000               0.011          7         1          30.3      83.8       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=60
1         1         14       2016       5         1        Resting        0.040               0.010               0.010
             0.033               0.033               0.039               0.039               0.042               0.042
             0.042               0.042               0.042               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.224               0.057               0.000               0.000
             0.000               0.023          7         1          30.3      83.8       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=60
1         1         14       2016       6         1        Running        0.020               0.011               0.011
             0.019               0.019               0.020               0.020               0.017               0.017
             0.017               0.017               0.017               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.035               0.000               0.000
             0.000               0.014          7         1          30.3      83.8       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=60
1         1         14       2016       7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.009               0.009
             0.009               0.009               0.009               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.008               0.000               0.000
             0.000               0.008          7         1          30.3      83.8       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=60
1         1         14       2016       8         1        Refueling      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000          NA                  NA
         NA                  NA                  NA                  NA                  NA                  NA
         NA                  NA                      0.000               0.000          NA                  NA
         NA                  NA                  7         1          30.3      83.8       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=60
1         1         14       2016      11         1        Total Evap               0.141               0.055
0.055        0.127               0.127               0.142               0.142               0.153               0.153
             0.153               0.153               0.153               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.354               0.215               0.000               0.000
             0.000               0.089          7         1          30.3      83.8       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000     10.00      Baltimore City speED=60
```

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: CON16S25.INP (file 1, run 1).                             *
*************************************************************************
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


* Reading I/M program description records from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2015\IM2015.D
*IM Program.  Idle, IM240, and OBD.
*Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

* Reading non-default I/M CUTPOINTS from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2015\CUTPNT15.D
* CY 15
* CUTPOINTS 75% TO FINAL FOR 1994 AND 1995. IMPLEMENTED MAY 2005.

  Reading User Supplied Tier2 Exhaust bin phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11


  Reading User Supplied Tier2 EVAP phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11


  Reading User Supplied Tier2 50K certification standards

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIStd.d


* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11

* Reading Registration Distributions from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\REGDAT05.BAL
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M614 Comment:
               User supplied diesel sale fractions.

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=2.5
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  2.5
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
```

```
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2015\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2015\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2015\V001103S.DEF
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
 HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

* Reading Ammonia (NH3) Basic Emissiion Rates
* from the external data file PMNH3BER.D

* Reading Ammonia (NH3) Sulfur Deterioration Rates
* from the external data file PMNH3SDR.D

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  July
                         Altitude:  Low
             Minimum Temperature:  30.3 (F)
             Maximum Temperature:  83.8 (F)
               Minimum Rel. Hum.:  58.2 (%)
               Maximum Rel. Hum.:  74.9 (%)
             Barometric Pressure: 29.80 (inches Hg)
                Nominal Fuel RVP:   6.8 psi
                   Weathered RVP:   6.8 psi
             Fuel Sulfur Content:   30. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  No

             User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      2.077     1.267     2.411     1.560     2.524    0.178     0.258     0.848
9.47     1.685
     Composite CO  :     13.28     11.57     16.85     12.92     28.86     2.072     1.085     2.472
83.52    12.724
     Composite NOX :      0.420     0.358     0.882     0.492     0.546    0.168     0.201     3.500
1.29     0.735
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     1.197     1.288     2.380     2.477     0.154     0.468
     Composite CO  :    11.02     11.73     16.74     17.10      0.928     1.402
     Composite NOX :     0.273     0.383     0.797     1.067     0.104     0.396
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
```

```
-----------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     2.539     2.504     2.158     2.267     2.262     2.352     2.420     0.000
     Composite CO  :    27.08     32.95     32.16     37.55     37.17     43.77     46.62      0.00
     Composite NOX :     0.534     0.583     0.474     0.551     0.546     0.605     0.645     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
-----------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.359     0.396     0.493     0.542     0.647     0.797     0.885     1.009
     Composite CO  :     0.963     0.952     1.462     1.587     1.481     1.832     2.275     2.884
     Composite NOX :     1.260     1.189     1.951     2.119     2.216     2.742     2.969     3.763
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  5.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  July
```

```
                    Altitude:  Low
         Minimum Temperature:  30.3 (F)
         Maximum Temperature:  83.8 (F)
           Minimum Rel. Hum.:  58.2 (%)
           Maximum Rel. Hum.:  74.9 (%)
         Barometric Pressure: 29.80 (inches Hg)
            Nominal Fuel RVP:   6.8 psi
               Weathered RVP:   6.8 psi
         Fuel Sulfur Content:   30. ppm

         Exhaust I/M Program:  Yes
            Evap I/M Program:  Yes
                 ATP Program:  Yes
            Reformulated Gas:  No

         User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.782     0.514     1.028     0.646     1.161    0.160     0.231     0.746
6.25     0.720
     Composite CO  :      8.56      7.65     10.97      8.50     23.06     1.739     0.906     2.018
49.44     8.478
     Composite NOX :      0.365     0.314     0.773     0.432     0.560    0.152     0.181     3.152
1.21     0.654
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.468     0.528     1.008     1.072     0.137     0.419
     Composite CO  :     7.23      7.78     10.88     11.17      0.773     1.174
     Composite NOX :     0.240     0.337     0.699     0.932     0.093     0.357
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     1.161     1.133     1.005     1.091     1.087     1.159     1.214     0.000
     Composite CO  :    21.64     26.33     25.70     30.01     29.70     34.97     37.25      0.00
     Composite NOX :     0.548     0.598     0.486     0.565     0.561     0.620     0.662     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.315     0.348     0.433     0.476     0.568     0.701     0.778     0.887
     Composite CO  :     0.786     0.777     1.193     1.296     1.209     1.496     1.857     2.354
     Composite NOX :     1.133     1.069     1.753     1.905     1.992     2.464     2.676     3.396
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
```

```
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  5.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.782     0.514     1.028     0.646     1.161    0.160     0.231     0.746
6.25     0.720
     Composite CO  :      8.56      7.65     10.97      8.50     23.06     1.739     0.906     2.018
49.44     8.478
     Composite NOX :      0.365     0.314     0.773     0.432     0.560    0.152     0.181     3.152
1.21     0.654
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.468     0.528     1.008     1.072     0.137     0.419
     Composite CO  :     7.23      7.78     10.88     11.17      0.773     1.174
     Composite NOX :     0.240     0.337     0.699     0.932     0.093     0.357
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     1.161     1.133     1.005     1.091     1.087     1.159     1.214     0.000
     Composite CO  :    21.64     26.33     25.70     30.01     29.70     34.97     37.25      0.00
     Composite NOX :     0.548     0.598     0.486     0.565     0.561     0.620     0.662     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.315     0.348     0.433     0.476     0.568     0.701     0.778     0.887
     Composite CO  :     0.786     0.777     1.193     1.296     1.209     1.496     1.857     2.354
     Composite NOX :     1.133     1.069     1.753     1.905     1.992     2.464     2.676     3.396
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=10.0
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 10.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.451     0.298     0.618     0.380     0.684    0.131     0.189     0.585
3.80     0.434
     Composite CO  :      6.38      5.77      8.19      6.39     15.34     1.279     0.659     1.391
25.37     6.251
     Composite NOX :      0.292     0.256     0.639     0.354     0.588    0.127     0.151     2.625
1.14     0.542
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.266     0.308     0.604     0.648     0.112     0.343
     Composite CO  :     5.40      5.88      8.11      8.35      0.560     0.859
     Composite NOX :     0.194     0.275     0.576     0.774     0.078     0.298
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.682     0.663     0.604     0.661     0.658     0.705     0.741     0.000
     Composite CO  :    14.40     17.52     17.10     19.96     19.76     23.27     24.78      0.00
     Composite NOX :     0.576     0.628     0.511     0.594     0.589     0.652     0.695     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.247     0.273     0.340     0.374     0.446     0.550     0.610     0.696
     Composite CO  :     0.542     0.536     0.823     0.894     0.833     1.031     1.280     1.623
     Composite NOX :     0.940     0.887     1.455     1.580     1.652     2.044     2.233     2.841
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
-----------------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=15.0
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 15.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  July
                 Altitude:  Low
Minimum Temperature:  30.3 (F)
Maximum Temperature:  83.8 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                       Alcohol Blend RVP Waiver: No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
              GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.368     0.236     0.499     0.303     0.506    0.111     0.158     0.470
2.97     0.348
     Composite CO  :      5.74      5.17      7.32      5.72     10.78     0.994     0.507     1.004
17.57     5.474
     Composite NOX :      0.247     0.219     0.556     0.305     0.617    0.110     0.131     2.264
1.16     0.470
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.209     0.244     0.487     0.523     0.093     0.289
     Composite CO  :     4.80      5.28      7.25      7.48      0.428     0.664
     Composite NOX :     0.164     0.235     0.499     0.679     0.067     0.258
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.503     0.491     0.455     0.493     0.492     0.524     0.548     0.000
     Composite CO  :    10.12     12.31     12.02     14.03     13.89     16.36     17.42      0.00
     Composite NOX :     0.603     0.659     0.536     0.622     0.617     0.683     0.729     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.199     0.219     0.273     0.300     0.358     0.441     0.490     0.559
     Composite CO  :     0.391     0.387     0.594     0.645     0.601     0.744     0.924     1.172
     Composite NOX :     0.808     0.762     1.250     1.358     1.420     1.756     1.929     2.461
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
```

```
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=20.0
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 20.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.323     0.200     0.434     0.260     0.397    0.096     0.136     0.385
2.59     0.298
     Composite CO  :      5.39      4.85      6.86      5.36      8.01     0.814     0.410     0.758
13.98     5.044
     Composite NOX :      0.224     0.200     0.514     0.280     0.645    0.098     0.117     2.023
1.22     0.429
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.176     0.207     0.424     0.456     0.079     0.249
     Composite CO  :     4.48      4.95      6.79      7.02      0.345     0.541
     Composite NOX :     0.149     0.215     0.461     0.631     0.060     0.231
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.395     0.386     0.363     0.391     0.390     0.413     0.430     0.000
     Composite CO  :     7.52      9.15      8.93     10.42     10.32     12.15     12.94      0.00
     Composite NOX :     0.631     0.689     0.560     0.651     0.646     0.715     0.762     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.163     0.180     0.224     0.246     0.294     0.362     0.402     0.458
     Composite CO  :     0.296     0.292     0.448     0.487     0.454     0.562     0.698     0.885
     Composite NOX :     0.720     0.679     1.114     1.210     1.264     1.564     1.726     2.207
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=25.0
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 25.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.299     0.183     0.401     0.239     0.332    0.085     0.119     0.323
2.35     0.270
     Composite CO  :      5.22      4.68      6.63      5.18      6.28     0.697     0.347     0.599
11.78     4.810
     Composite NOX :      0.211     0.189     0.489     0.266     0.674    0.091     0.108     1.871
1.29     0.405
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.161     0.190     0.392     0.420     0.069     0.219
     Composite CO  :     4.32      4.79      6.56      6.78      0.291     0.461
     Composite NOX :     0.140     0.203     0.438     0.602     0.056     0.214
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.330     0.323     0.310     0.330     0.329     0.346     0.359     0.000
     Composite CO  :     5.90      7.18      7.00      8.18      8.10      9.53     10.15      0.00
     Composite NOX :     0.659     0.719     0.585     0.680     0.674     0.746     0.796     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.137     0.151     0.188     0.206     0.246     0.304     0.337     0.384
     Composite CO  :     0.234     0.231     0.354     0.385     0.359     0.444     0.552     0.699
     Composite NOX :     0.664     0.626     1.028     1.117     1.166     1.443     1.599     2.047
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
-----------------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=30
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 30.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  July
                 Altitude:  Low
Minimum Temperature:  30.3 (F)
Maximum Temperature:  83.8 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                       Alcohol Blend RVP Waiver: No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.283     0.173     0.381     0.226     0.289    0.077     0.107     0.277
2.17     0.253
     Composite CO  :      5.17      4.63      6.56      5.12      5.21     0.621     0.306     0.496
10.19     4.716
     Composite NOX :      0.201     0.181     0.472     0.256     0.702    0.087     0.104     1.792
1.36     0.390
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.152     0.179     0.372     0.400     0.062     0.197
     Composite CO  :     4.27      4.74      6.49      6.71      0.255     0.409
     Composite NOX :     0.134     0.195     0.422     0.582     0.053     0.205
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.287     0.282     0.274     0.289     0.289     0.302     0.312     0.000
     Composite CO  :     4.89      5.95      5.81      6.78      6.71      7.90      8.42      0.00
     Composite NOX :     0.687     0.750     0.610     0.708     0.703     0.778     0.829     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.117     0.129     0.161     0.177     0.211     0.260     0.289     0.330
     Composite CO  :     0.193     0.191     0.293     0.318     0.297     0.367     0.456     0.578
     Composite NOX :     0.635     0.599     0.983     1.068     1.115     1.380     1.532     1.964
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
```

```
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=35
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 35.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.272     0.166     0.367     0.217     0.259    0.071     0.098     0.243
2.03     0.240
     Composite CO  :      5.20      4.67      6.62      5.17      4.56     0.572     0.280     0.429
9.01     4.721
     Composite NOX :      0.196     0.178     0.466     0.251     0.730    0.087     0.103     1.776
1.41     0.386
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.145     0.172     0.358     0.385     0.056     0.181
     Composite CO  :     4.30      4.78      6.55      6.77      0.233     0.376
     Composite NOX :     0.131     0.191     0.416     0.574     0.053     0.203
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.257     0.253     0.249     0.261     0.261     0.271     0.279     0.000
     Composite CO  :     4.28      5.21      5.09      5.94      5.88      6.92      7.37      0.00
     Composite NOX :     0.714     0.780     0.634     0.737     0.731     0.809     0.863     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.103     0.113     0.141     0.155     0.185     0.228     0.253     0.289
     Composite CO  :     0.167     0.165     0.254     0.276     0.257     0.318     0.395     0.501
     Composite NOX :     0.629     0.594     0.974     1.058     1.105     1.367     1.519     1.947
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=40
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 40.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.266     0.163     0.360     0.214     0.238    0.066     0.091     0.217
1.94     0.233
     Composite CO  :      5.42      4.88      6.92      5.40      4.22     0.543     0.264     0.389
8.19     4.901
     Composite NOX :      0.200     0.181     0.471     0.255     0.759    0.089     0.105     1.822
1.44     0.394
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.142     0.170     0.352     0.377     0.052     0.169
     Composite CO  :     4.50      4.99      6.84      7.07      0.219     0.355
     Composite NOX :     0.134     0.195     0.421     0.579     0.054     0.208
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.236     0.232     0.231     0.241     0.241     0.250     0.257     0.000
     Composite CO  :     3.96      4.82      4.71      5.50      5.44      6.41      6.82      0.00
     Composite NOX :     0.742     0.810     0.659     0.765     0.759     0.840     0.896     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.092     0.101     0.126     0.139     0.166     0.204     0.227     0.259
     Composite CO  :     0.152     0.150     0.230     0.250     0.233     0.288     0.358     0.454
     Composite NOX :     0.646     0.609     1.000     1.086     1.134     1.404     1.557     1.995
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
-----------------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=45.
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 45.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  July
                 Altitude:  Low
Minimum Temperature:  30.3 (F)
Maximum Temperature:  83.8 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                       Alcohol Blend RVP Waiver: No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.260     0.161     0.354     0.211     0.223    0.063     0.086     0.199
1.88     0.227
     Composite CO  :      5.63      5.09      7.21      5.63      4.13     0.528     0.256     0.369
7.67     5.092
     Composite NOX :      0.204     0.186     0.478     0.261     0.787    0.094     0.112     1.934
1.47     0.409
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.139     0.168     0.347     0.371     0.049     0.160
     Composite CO  :     4.70      5.20      7.14      7.37      0.212     0.345
     Composite NOX :     0.138     0.200     0.429     0.586     0.058     0.221
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.221     0.218     0.218     0.227     0.227     0.234     0.240     0.000
     Composite CO  :     3.87      4.71      4.60      5.37      5.32      6.26      6.67      0.00
     Composite NOX :     0.770     0.841     0.684     0.794     0.788     0.872     0.930     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.084     0.093     0.116     0.127     0.152     0.187     0.208     0.237
     Composite CO  :     0.144     0.142     0.218     0.237     0.221     0.273     0.339     0.430
     Composite NOX :     0.687     0.648     1.063     1.155     1.207     1.493     1.652     2.113
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
```

```
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=50
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 50.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.256     0.159     0.349     0.208     0.212    0.061     0.083     0.186
1.86     0.223
     Composite CO  :      5.85      5.30      7.51      5.86      4.27     0.526     0.255     0.366
7.46     5.293
     Composite NOX :      0.209     0.190     0.486     0.266     0.815    0.103     0.123     2.126
1.55     0.432
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.137     0.166     0.342     0.365     0.047     0.154
     Composite CO  :     4.89      5.42      7.43      7.67      0.211     0.344
     Composite NOX :     0.142     0.205     0.436     0.593     0.063     0.242
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.209     0.207     0.208     0.217     0.216     0.223     0.229     0.000
     Composite CO  :     4.00      4.87      4.75      5.55      5.49      6.47      6.89      0.00
     Composite NOX :     0.798     0.871     0.708     0.823     0.816     0.903     0.963     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.079     0.087     0.108     0.119     0.142     0.175     0.194     0.222
     Composite CO  :     0.143     0.141     0.216     0.235     0.219     0.271     0.337     0.427
     Composite NOX :     0.757     0.714     1.172     1.273     1.330     1.646     1.813     2.315
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=55
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 55.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  July
                          Altitude:  Low
              Minimum Temperature:  30.3 (F)
              Maximum Temperature:  83.8 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.252     0.158     0.344     0.206     0.204    0.059     0.081     0.178
1.86     0.219
     Composite CO  :      6.06      5.51      7.80      6.09      4.66     0.536     0.261     0.380
7.46     5.506
     Composite NOX :      0.214     0.195     0.494     0.271     0.844    0.117     0.139     2.419
1.71     0.463
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.135     0.165     0.337     0.360     0.046     0.151
     Composite CO  :     5.09      5.63      7.73      7.97      0.216     0.351
     Composite NOX :     0.146     0.210     0.444     0.601     0.072     0.275
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.202     0.199     0.202     0.210     0.210     0.216     0.221     0.000
     Composite CO  :     4.37      5.32      5.19      6.06      6.00      7.06      7.52      0.00
     Composite NOX :     0.825     0.901     0.733     0.851     0.845     0.935     0.997     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.075     0.083     0.104     0.114     0.136     0.168     0.186     0.212
     Composite CO  :     0.148     0.146     0.225     0.244     0.228     0.282     0.350     0.443
     Composite NOX :     0.865     0.816     1.338     1.454     1.520     1.880     2.060     2.625
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
-----------------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=60
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 60.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  6 AM, Sunset at  8 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  July
                 Altitude:  Low
Minimum Temperature:  30.3 (F)
Maximum Temperature:  83.8 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                       Alcohol Blend RVP Waiver: No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.249     0.158     0.340     0.204     0.200    0.059     0.080     0.175
2.20     0.218
     Composite CO  :      6.28      5.72      8.10      6.33      5.37     0.560     0.274     0.413
12.68     5.743
     Composite NOX :      0.218     0.200     0.502     0.277     0.872    0.138     0.164     2.852
1.87     0.507
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.4    1454.3      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.133     0.165     0.333     0.355     0.045     0.149
     Composite CO  :     5.30      5.84      8.02      8.27      0.227     0.367
     Composite NOX :     0.150     0.215     0.453     0.610     0.085     0.323
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.198     0.195     0.198     0.206     0.206     0.213     0.218     0.000
     Composite CO  :     5.04      6.13      5.98      6.99      6.92      8.14      8.67      0.00
     Composite NOX :     0.853     0.932     0.758     0.880     0.873     0.966     1.031     0.000
     Composite CO2 :   875.9     944.9     948.8    1107.4    1089.9    1190.7    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.074     0.081     0.101     0.111     0.133     0.164     0.182     0.208
     Composite CO  :     0.161     0.159     0.244     0.265     0.247     0.306     0.380     0.482
     Composite NOX :     1.023     0.965     1.584     1.720     1.799     2.226     2.424     3.081
     Composite CO2 :   785.4     872.9     997.9    1030.3    1168.5    1351.4    1544.4    1615.8
```

```
************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                           *
* Input file: CON16S25.INP (file 1, run 1).                            *
************************************************************************

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=2.5
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0033    0.0034    0.0033    0.0147    ------    ------    ------
0.0142    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0134    0.0053    0.0247    -----
-    0.0022
            OCARBON:    ------    ------    ------    ------    ------    0.0038    0.0076    0.0142    -----
-    0.0013
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0160    0.0174    0.0132    0.0399
0.0144    0.0076
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0235    0.0247    0.0205    0.0514
0.0207    0.0153
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0033    0.0033    0.0034    0.0034    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0044    0.0071
            OCARBON:    ------    ------    ------    ------    0.0063    0.0103
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0110    0.0177
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0183    0.0250
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0146    0.0149    0.0133    0.0146    0.0145    0.0155    0.0161    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
```

```
   Total Exhaust PM:    0.0159    0.0162    0.0146    0.0159    0.0158    0.0168    0.0174    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0232    0.0246    0.0229    0.0243    0.0242    0.0251    0.0318    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0082    0.0065    0.0093    0.0092    0.0166    0.0163    0.0187    0.0281
            OCARBON:    0.0085    0.0068    0.0096    0.0096    0.0131    0.0128    0.0147    0.0089
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0172    0.0138    0.0195    0.0195    0.0304    0.0301    0.0344    0.0380
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0245    0.0222    0.0279    0.0278    0.0388    0.0384    0.0488    0.0524
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0033    0.0034    0.0033    0.0147    ------    ------    ------
0.0142    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0134    0.0053    0.0247    -----
-    0.0022
            OCARBON:    ------    ------    ------    ------    ------    0.0038    0.0076    0.0142    -----
-    0.0013
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0160    0.0174    0.0132    0.0399
0.0144    0.0076
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0235    0.0247    0.0205    0.0514
0.0207    0.0153
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
```

```
              GASPM:    0.0033    0.0033    0.0034    0.0034    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0044    0.0071
            OCARBON:    ------    ------    ------    ------    0.0063    0.0103
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0110    0.0177
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0183    0.0250
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0146    0.0149    0.0133    0.0146    0.0145    0.0155    0.0161    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
   Total Exhaust PM:    0.0159    0.0162    0.0146    0.0159    0.0158    0.0168    0.0174    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0232    0.0246    0.0229    0.0243    0.0242    0.0251    0.0318    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0082    0.0065    0.0093    0.0092    0.0166    0.0163    0.0187    0.0281
            OCARBON:    0.0085    0.0068    0.0096    0.0096    0.0131    0.0128    0.0147    0.0089
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0172    0.0138    0.0195    0.0195    0.0304    0.0301    0.0344    0.0380
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0245    0.0222    0.0279    0.0278    0.0388    0.0384    0.0488    0.0524
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0033    0.0034    0.0033    0.0147    ------    ------    ------
0.0142    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0134    0.0053    0.0247    -----
-    0.0022
            OCARBON:    ------    ------    ------    ------    ------    0.0038    0.0076    0.0142    -----
-    0.0013
```

```
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0160    0.0174    0.0132    0.0399
0.0144    0.0076
               Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
                Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
            Total PM:    0.0113    0.0113    0.0113    0.0113    0.0235    0.0247    0.0205    0.0514
0.0207    0.0153
                 SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                 NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
                Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
               GASPM:    0.0033    0.0033    0.0034    0.0034    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0044    0.0071
            OCARBON:    ------    ------    ------    ------    0.0063    0.0103
                 SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0110    0.0177
               Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
                Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
            Total PM:    0.0113    0.0113    0.0113    0.0113    0.0183    0.0250
                 SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                 NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
                Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
               GASPM:    0.0146    0.0149    0.0133    0.0146    0.0145    0.0155    0.0161    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                 SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
   Total Exhaust PM:    0.0159    0.0162    0.0146    0.0159    0.0158    0.0168    0.0174    0.0000
               Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
                Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
            Total PM:    0.0232    0.0246    0.0229    0.0243    0.0242    0.0251    0.0318    0.0000
                 SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                 NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
                Lead:    ------    ------    ------    ------    ------    ------    ------    ------
               GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0082    0.0065    0.0093    0.0092    0.0166    0.0163    0.0187    0.0281
            OCARBON:    0.0085    0.0068    0.0096    0.0096    0.0131    0.0128    0.0147    0.0089
                 SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0172    0.0138    0.0195    0.0195    0.0304    0.0301    0.0344    0.0380
               Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
                Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
            Total PM:    0.0245    0.0222    0.0279    0.0278    0.0388    0.0384    0.0488    0.0524
                 SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                 NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=10.0
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
```

```
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0033    0.0034    0.0033    0.0147    ------    ------    ------
0.0142    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0134    0.0053    0.0247    -----
-    0.0022
            OCARBON:    ------    ------    ------    ------    ------    0.0038    0.0076    0.0142    -----
-    0.0013
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0160    0.0174    0.0132    0.0399
0.0144    0.0076
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0235    0.0247    0.0205    0.0514
0.0207    0.0153
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0033    0.0033    0.0034    0.0034    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0044    0.0071
            OCARBON:    ------    ------    ------    ------    0.0063    0.0103
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0110    0.0177
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0183    0.0250
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0146    0.0149    0.0133    0.0146    0.0145    0.0155    0.0161    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
   Total Exhaust PM:    0.0159    0.0162    0.0146    0.0159    0.0158    0.0168    0.0174    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0232    0.0246    0.0229    0.0243    0.0242    0.0251    0.0318    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
```

```
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0082    0.0065    0.0093    0.0092    0.0166    0.0163    0.0187    0.0281
            OCARBON:    0.0085    0.0068    0.0096    0.0096    0.0131    0.0128    0.0147    0.0089
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0172    0.0138    0.0195    0.0195    0.0304    0.0301    0.0344    0.0380
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0245    0.0222    0.0279    0.0278    0.0388    0.0384    0.0488    0.0524
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=15.0
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                       Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                        Particle Size Cutoff:  2.50 Microns
                            Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0033    0.0034    0.0033    0.0147    ------    ------    ------
0.0142    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0134    0.0053    0.0247    -----
-    0.0022
            OCARBON:    ------    ------    ------    ------    ------    0.0038    0.0076    0.0142    -----
-    0.0013
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0160    0.0174    0.0132    0.0399
0.0144    0.0076
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0235    0.0247    0.0205    0.0514
0.0207    0.0153
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0033    0.0033    0.0034    0.0034    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0044    0.0071
            OCARBON:    ------    ------    ------    ------    0.0063    0.0103
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0110    0.0177
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0183    0.0250
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
```

```
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
             GASPM:    0.0146    0.0149    0.0133    0.0146    0.0145    0.0155    0.0161    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
   Total Exhaust PM:    0.0159    0.0162    0.0146    0.0159    0.0158    0.0168    0.0174    0.0000
             Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
              Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
          Total PM:    0.0232    0.0246    0.0229    0.0243    0.0242    0.0251    0.0318    0.0000
               SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
               NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
             GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0082    0.0065    0.0093    0.0092    0.0166    0.0163    0.0187    0.0281
            OCARBON:    0.0085    0.0068    0.0096    0.0096    0.0131    0.0128    0.0147    0.0089
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0172    0.0138    0.0195    0.0195    0.0304    0.0301    0.0344    0.0380
             Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
              Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
          Total PM:    0.0245    0.0222    0.0279    0.0278    0.0388    0.0384    0.0488    0.0524
               SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
               NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=20.0
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                        Particle Size Cutoff:  2.50 Microns
                            Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
             GASPM:    0.0035    0.0033    0.0034    0.0033    0.0146    ------    ------    ------
0.0142    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0134    0.0053    0.0247    -----
-    0.0022
            OCARBON:    ------    ------    ------    ------    ------    0.0038    0.0076    0.0142    -----
-    0.0013
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0160    0.0174    0.0132    0.0399
0.0144    0.0076
             Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
              Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
          Total PM:    0.0113    0.0113    0.0113    0.0113    0.0235    0.0247    0.0205    0.0514
0.0207    0.0153
```

```
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0033    0.0033    0.0034    0.0034    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0044    0.0071
            OCARBON:    ------    ------    ------    ------    0.0063    0.0103
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0110    0.0177
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0183    0.0250
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0145    0.0149    0.0133    0.0146    0.0145    0.0155    0.0161    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
   Total Exhaust PM:    0.0159    0.0162    0.0146    0.0159    0.0159    0.0168    0.0174    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0232    0.0246    0.0230    0.0243    0.0242    0.0251    0.0318    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0082    0.0065    0.0093    0.0092    0.0166    0.0163    0.0187    0.0281
            OCARBON:    0.0085    0.0068    0.0096    0.0096    0.0131    0.0128    0.0147    0.0089
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0172    0.0138    0.0195    0.0195    0.0304    0.0301    0.0344    0.0380
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0245    0.0222    0.0279    0.0278    0.0388    0.0384    0.0488    0.0524
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=25.0
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0034    0.0034    0.0034    0.0145    ------    ------    ------
0.0142    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0134    0.0053    0.0247    -----
-    0.0022
            OCARBON:    ------    ------    ------    ------    ------    0.0038    0.0076    0.0142    -----
-    0.0013
                SO4:    0.0004    0.0005    0.0005    0.0005    0.0015    0.0002    0.0002    0.0009
0.0001    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0160    0.0174    0.0132    0.0399
0.0143    0.0075
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0235    0.0247    0.0205    0.0514
0.0207    0.0152
                SO2:    0.0066    0.0088    0.0115    0.0095    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0034    0.0034    0.0034    0.0034    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0044    0.0071
            OCARBON:    ------    ------    ------    ------    0.0063    0.0103
                SO4:    0.0005    0.0005    0.0005    0.0005    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0110    0.0177
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0183    0.0250
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0144    0.0147    0.0131    0.0144    0.0143    0.0153    0.0159    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0016    0.0016    0.0015    0.0015    0.0015    0.0015    0.0015    0.0000
   Total Exhaust PM:    0.0159    0.0163    0.0147    0.0160    0.0159    0.0168    0.0175    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0233    0.0246    0.0230    0.0243    0.0242    0.0252    0.0318    0.0000
                SO2:    0.0159    0.0172    0.0173    0.0202    0.0199    0.0218    0.0230    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0082    0.0065    0.0093    0.0092    0.0166    0.0163    0.0187    0.0281
            OCARBON:    0.0085    0.0068    0.0096    0.0096    0.0131    0.0128    0.0147    0.0089
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0172    0.0138    0.0195    0.0195    0.0304    0.0301    0.0344    0.0380
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
```

```
           Total PM:    0.0245    0.0222    0.0279    0.0278    0.0388    0.0384    0.0488    0.0524
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=30
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                             Calendar Year:  2016
                                     Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0036    0.0034    0.0035    0.0034    0.0143    ------    ------    ------
0.0142    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0134    0.0053    0.0247    -----
-    0.0022
            OCARBON:    ------    ------    ------    ------    ------    0.0038    0.0076    0.0142    -----
-    0.0013
                SO4:    0.0003    0.0005    0.0005    0.0005    0.0018    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0161    0.0174    0.0132    0.0399
0.0143    0.0075
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0113    0.0113    0.0113    0.0236    0.0247    0.0205    0.0514
0.0206    0.0152
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0165    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                          ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0034    0.0034    0.0035    0.0035    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0044    0.0071
            OCARBON:    ------    ------    ------    ------    0.0063    0.0103
                SO4:    0.0005    0.0005    0.0005    0.0005    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0110    0.0177
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0112    0.0113    0.0113    0.0113    0.0183    0.0250
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                          ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0142    0.0145    0.0129    0.0142    0.0142    0.0151    0.0157    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
```

```
                SO4:    0.0018    0.0018    0.0018    0.0018    0.0018    0.0018    0.0018    0.0000
   Total Exhaust PM:    0.0160    0.0163    0.0147    0.0160    0.0159    0.0169    0.0175    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0233    0.0247    0.0230    0.0244    0.0243    0.0252    0.0319    0.0000
                SO2:    0.0159    0.0171    0.0172    0.0202    0.0199    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0082    0.0065    0.0093    0.0092    0.0166    0.0163    0.0187    0.0281
            OCARBON:    0.0085    0.0068    0.0096    0.0096    0.0131    0.0128    0.0147    0.0089
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0172    0.0138    0.0195    0.0195    0.0304    0.0301    0.0344    0.0380
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0245    0.0222    0.0279    0.0278    0.0388    0.0384    0.0488    0.0524
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=35
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                             Calendar Year:  2016
                                     Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0035    0.0035    0.0035    0.0141    ------    ------    ------
0.0142    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0134    0.0053    0.0247    -----
-    0.0022
            OCARBON:    ------    ------    ------    ------    ------    0.0038    0.0076    0.0142    -----
-    0.0013
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0161    0.0174    0.0132    0.0399
0.0143    0.0075
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0236    0.0247    0.0205    0.0514
0.0206    0.0152
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
```

```
              Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
             GASPM:    0.0035    0.0035    0.0035    0.0035    ------    ------
           ECARBON:    ------    ------    ------    ------    0.0044    0.0071
           OCARBON:    ------    ------    ------    ------    0.0063    0.0103
               SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
  Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0110    0.0177
             Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
              Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
          Total PM:    0.0112    0.0112    0.0113    0.0113    0.0183    0.0250
               SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
               NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
         Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                       ------    ------    ------    ------    ------    ------    ------    ------
           VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
             GASPM:    0.0140    0.0144    0.0127    0.0141    0.0140    0.0149    0.0156    0.0000
           ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
           OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
               SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
  Total Exhaust PM:    0.0160    0.0164    0.0147    0.0161    0.0160    0.0169    0.0176    0.0000
             Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
              Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
          Total PM:    0.0234    0.0247    0.0231    0.0244    0.0243    0.0252    0.0319    0.0000
               SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
               NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
         Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                       ------    ------    ------    ------    ------    ------    ------    ------
           VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
              Lead:    ------    ------    ------    ------    ------    ------    ------    ------
             GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
           ECARBON:    0.0082    0.0065    0.0093    0.0092    0.0166    0.0163    0.0187    0.0281
           OCARBON:    0.0085    0.0068    0.0096    0.0096    0.0131    0.0128    0.0147    0.0089
               SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
  Total Exhaust PM:    0.0172    0.0138    0.0195    0.0195    0.0304    0.0301    0.0344    0.0380
             Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
              Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
          Total PM:    0.0245    0.0222    0.0279    0.0278    0.0388    0.0384    0.0488    0.0524
               SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
               NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=40
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
             GASPM:    0.0037    0.0035    0.0035    0.0035    0.0141    ------    ------    ------
0.0142    0.0036
           ECARBON:    ------    ------    ------    ------    ------    0.0134    0.0053    0.0247    -----
-    0.0022
```

```
            OCARBON:    ------    ------    ------    ------    ------    0.0038    0.0076    0.0142    -----
-    0.0013
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0161    0.0174    0.0132    0.0399
0.0143    0.0075
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0236    0.0247    0.0205    0.0514
0.0206    0.0152
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
             GASPM:    0.0035    0.0035    0.0035    0.0035    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0044    0.0071
            OCARBON:    ------    ------    ------    ------    0.0063    0.0103
                SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0110    0.0177
             Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
              Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0183    0.0250
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
             GASPM:    0.0140    0.0144    0.0127    0.0141    0.0140    0.0149    0.0156    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
   Total Exhaust PM:    0.0160    0.0164    0.0147    0.0161    0.0160    0.0169    0.0176    0.0000
             Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
              Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0234    0.0247    0.0231    0.0244    0.0243    0.0252    0.0319    0.0000
                SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
             GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0082    0.0065    0.0093    0.0092    0.0166    0.0163    0.0187    0.0281
            OCARBON:    0.0085    0.0068    0.0096    0.0096    0.0131    0.0128    0.0147    0.0089
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0172    0.0138    0.0195    0.0195    0.0304    0.0301    0.0344    0.0380
             Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
              Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0245    0.0222    0.0279    0.0278    0.0388    0.0384    0.0488    0.0524
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=45.
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #
```

```
                              Calendar Year:  2016
                                      Month:  July
                Gasoline Fuel Sulfur Content:   30. ppm
                  Diesel Fuel Sulfur Content:   15. ppm
                         Particle Size Cutoff:  2.50 Microns
                             Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0035    0.0035    0.0035    0.0141    ------    ------    ------
0.0142    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0134    0.0053    0.0247    -----
-    0.0022
            OCARBON:    ------    ------    ------    ------    ------    0.0038    0.0076    0.0142    -----
-    0.0013
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0161    0.0174    0.0132    0.0399
0.0143    0.0075
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0236    0.0247    0.0205    0.0514
0.0206    0.0152
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0035    0.0035    0.0035    0.0035    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0044    0.0071
            OCARBON:    ------    ------    ------    ------    0.0063    0.0103
                SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0110    0.0177
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0183    0.0250
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0140    0.0144    0.0127    0.0141    0.0140    0.0149    0.0156    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
   Total Exhaust PM:    0.0160    0.0164    0.0147    0.0161    0.0160    0.0169    0.0176    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0234    0.0247    0.0231    0.0244    0.0243    0.0252    0.0319    0.0000
                SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
```

```
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
                Lead:    ------    ------    ------    ------    ------    ------    ------    ------
               GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0082    0.0065    0.0093    0.0092    0.0166    0.0163    0.0187    0.0281
            OCARBON:    0.0085    0.0068    0.0096    0.0096    0.0131    0.0128    0.0147    0.0089
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0172    0.0138    0.0195    0.0195    0.0304    0.0301    0.0344    0.0380
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0245    0.0222    0.0279    0.0278    0.0388    0.0384    0.0488    0.0524
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=50
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                             Calendar Year:  2016
                                     Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
                Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
               GASPM:    0.0037    0.0035    0.0035    0.0035    0.0141    ------    ------    ------
0.0142    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0134    0.0053    0.0247    -----
-    0.0022
            OCARBON:    ------    ------    ------    ------    ------    0.0038    0.0076    0.0142    -----
-    0.0013
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0161    0.0174    0.0132    0.0399
0.0143    0.0075
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0236    0.0247    0.0205    0.0514
0.0206    0.0152
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
                Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
               GASPM:    0.0035    0.0035    0.0035    0.0035    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0044    0.0071
            OCARBON:    ------    ------    ------    ------    0.0063    0.0103
                SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0110    0.0177
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0183    0.0250
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
```

```
 ------------------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ------------------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
             GASPM:    0.0140    0.0144    0.0127    0.0141    0.0140    0.0149    0.0156    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
   Total Exhaust PM:    0.0160    0.0164    0.0147    0.0161    0.0160    0.0169    0.0176    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0234    0.0247    0.0231    0.0244    0.0243    0.0252    0.0319    0.0000
                SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ------------------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ------------------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
             GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0082    0.0065    0.0093    0.0092    0.0166    0.0163    0.0187    0.0281
            OCARBON:    0.0085    0.0068    0.0096    0.0096    0.0131    0.0128    0.0147    0.0089
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0172    0.0138    0.0195    0.0195    0.0304    0.0301    0.0344    0.0380
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0245    0.0222    0.0279    0.0278    0.0388    0.0384    0.0488    0.0524
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ------------------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=55
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                        Particle Size Cutoff:  2.50 Microns
                            Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ------------------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
             GASPM:    0.0037    0.0035    0.0035    0.0035    0.0141    ------    ------    ------
0.0142    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0134    0.0053    0.0247    -----
-    0.0022
            OCARBON:    ------    ------    ------    ------    ------    0.0038    0.0076    0.0142    -----
-    0.0013
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0161    0.0174    0.0132    0.0399
0.0143    0.0075
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0236    0.0247    0.0205    0.0514
0.0206    0.0152
```

```
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0035    0.0035    0.0035    0.0035    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0044    0.0071
            OCARBON:    ------    ------    ------    ------    0.0063    0.0103
                SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0110    0.0177
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0183    0.0250
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0140    0.0144    0.0127    0.0141    0.0140    0.0149    0.0156    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
   Total Exhaust PM:    0.0160    0.0164    0.0147    0.0161    0.0160    0.0169    0.0176    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0234    0.0247    0.0231    0.0244    0.0243    0.0252    0.0319    0.0000
                SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0082    0.0065    0.0093    0.0092    0.0166    0.0163    0.0187    0.0281
            OCARBON:    0.0085    0.0068    0.0096    0.0096    0.0131    0.0128    0.0147    0.0089
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0172    0.0138    0.0195    0.0195    0.0304    0.0301    0.0344    0.0380
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0245    0.0222    0.0279    0.0278    0.0388    0.0384    0.0488    0.0524
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=60
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                       Month:  July
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0328    0.0000    0.0067    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0035    0.0035    0.0035    0.0141    ------    ------    ------
0.0142    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0134    0.0053    0.0247    -----
-    0.0022
            OCARBON:    ------    ------    ------    ------    ------    0.0038    0.0076    0.0142    -----
-    0.0013
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0161    0.0174    0.0132    0.0399
0.0143    0.0075
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0236    0.0247    0.0205    0.0514
0.0206    0.0152
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1008    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0921
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0035    0.0035    0.0035    0.0035    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0044    0.0071
            OCARBON:    ------    ------    ------    ------    0.0063    0.0103
                SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0110    0.0177
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0183    0.0250
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1006    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0140    0.0144    0.0127    0.0141    0.0140    0.0149    0.0156    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
   Total Exhaust PM:    0.0160    0.0164    0.0147    0.0161    0.0160    0.0169    0.0176    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0234    0.0247    0.0231    0.0244    0.0243    0.0252    0.0319    0.0000
                SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0026    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0082    0.0065    0.0093    0.0092    0.0166    0.0163    0.0187    0.0281
            OCARBON:    0.0085    0.0068    0.0096    0.0096    0.0131    0.0128    0.0147    0.0089
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0172    0.0138    0.0195    0.0195    0.0304    0.0301    0.0344    0.0380
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
```

Total PM:	0.0245	0.0222	0.0279	0.0278	0.0388	0.0384	0.0488	0.0524
SO2:	0.0073	0.0081	0.0093	0.0096	0.0109	0.0126	0.0144	0.0151
NH3:	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: CON16W10.INP (file 1, run 1).                             *
*************************************************************************
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


* Reading I/M program description records from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2015\IM2015.D
*IM Program.  Idle, IM240, and OBD.
*Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

* Reading non-default I/M CUTPOINTS from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2015\CUTPNT15.D
* CY 15
* CUTPOINTS 75% TO FINAL FOR 1994 AND 1995. IMPLEMENTED MAY 2005.

  Reading User Supplied Tier2 Exhaust bin phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11


  Reading User Supplied Tier2 EVAP phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11


  Reading User Supplied Tier2 50K certification standards

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIStd.d


* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11

* Reading Registration Distributions from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\REGDAT05.BAL
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M614 Comment:
               User supplied diesel sale fractions.

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=2.5
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  2.5
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
```

```
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
 HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

* Reading Ammonia (NH3) Basic Emissiion Rates
* from the external data file PMNH3BER.D

* Reading Ammonia (NH3) Sulfur Deterioration Rates
* from the external data file PMNH3SDR.D

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
             Maximum Temperature:  38.4 (F)
               Minimum Rel. Hum.:  58.2 (%)
               Maximum Rel. Hum.:  74.9 (%)
             Barometric Pressure: 29.80 (inches Hg)
                Nominal Fuel RVP:   6.8 psi
                   Weathered RVP:   6.8 psi
             Fuel Sulfur Content:   30. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  No

             User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      1.956     1.198     2.422     1.512     2.640    0.182     0.261     0.864
9.39     1.628
     Composite CO  :     20.69     17.25     25.21     19.29     34.12     2.078     1.086     2.698
86.37    18.763
     Composite NOX :      0.500     0.450     1.168     0.634     0.630    0.176     0.208     3.905
1.79     0.880
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     1.117     1.223     2.382     2.507     0.155     0.475
     Composite CO  :    16.61     17.44     25.07     25.52      0.927     1.405
     Composite NOX :     0.331     0.486     1.052     1.418     0.107     0.412
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
```

```
-----------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     2.654     2.610     2.231     2.378     2.372     2.498     2.590     0.000
     Composite CO  :    32.06     38.72     37.79     44.13     43.68     51.88     55.26      0.00
     Composite NOX :     0.617     0.669     0.549     0.638     0.633     0.700     0.747     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
-----------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.365     0.401     0.502     0.553     0.659     0.812     0.898     1.028
     Composite CO  :     1.052     1.041     1.591     1.728     1.623     2.008     2.494     3.169
     Composite NOX :     1.413     1.343     2.170     2.357     2.494     3.086     3.360     4.242
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  5.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  Jan.
```

```
                    Altitude:  Low
         Minimum Temperature:  29.8 (F)
         Maximum Temperature:  38.4 (F)
           Minimum Rel. Hum.:  58.2 (%)
           Maximum Rel. Hum.:  74.9 (%)
         Barometric Pressure: 29.80 (inches Hg)
            Nominal Fuel RVP:   6.8 psi
               Weathered RVP:   6.8 psi
         Fuel Sulfur Content:   30. ppm

         Exhaust I/M Program:  Yes
            Evap I/M Program:  Yes
                 ATP Program:  Yes
            Reformulated Gas:  No

         User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.711     0.481     1.048     0.627     1.247    0.164     0.233     0.759
6.15     0.693
     Composite CO  :     14.66     12.19     17.27     13.49     27.27     1.743     0.906     2.202
51.57    13.299
     Composite NOX :      0.444     0.397     1.024     0.558     0.646    0.158     0.188     3.516
1.68     0.786
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.426     0.498     1.021     1.106     0.138     0.425
     Composite CO  :    11.74     12.33     17.16     17.50     0.772     1.176
     Composite NOX :     0.293     0.429     0.925     1.241     0.097     0.371
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     1.247     1.211     1.049     1.166     1.161     1.261     1.335     0.000
     Composite CO  :    25.62     30.94     30.19     35.26     34.90     41.46     44.15     0.00
     Composite NOX :     0.633     0.687     0.563     0.655     0.649     0.718     0.766     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.320     0.353     0.441     0.486     0.580     0.714     0.789     0.904
     Composite CO  :     0.858     0.850     1.299     1.411     1.325     1.639     2.036     2.587
     Composite NOX :     1.270     1.207     1.950     2.118     2.242     2.773     3.028     3.829
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
```

```
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  5.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.711     0.481     1.048     0.627     1.247    0.164     0.233     0.759
6.15     0.693
     Composite CO  :     14.66     12.19     17.27     13.49     27.27     1.743     0.906     2.202
51.57    13.299
     Composite NOX :      0.444     0.397     1.024     0.558     0.646    0.158     0.188     3.516
1.68     0.786
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.426     0.498     1.021     1.106     0.138     0.425
     Composite CO  :    11.74     12.33     17.16     17.50      0.772     1.176
     Composite NOX :     0.293     0.429     0.925     1.241     0.097     0.371
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     1.247     1.211     1.049     1.166     1.161     1.261     1.335     0.000
     Composite CO  :    25.62     30.94     30.19     35.26     34.90     41.46     44.15      0.00
     Composite NOX :     0.633     0.687     0.563     0.655     0.649     0.718     0.766     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.320     0.353     0.441     0.486     0.580     0.714     0.789     0.904
     Composite CO  :     0.858     0.850     1.299     1.411     1.325     1.639     2.036     2.587
     Composite NOX :     1.270     1.207     1.950     2.118     2.242     2.773     3.028     3.829
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=10.0
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 10.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.392     0.278     0.629     0.368     0.713    0.135     0.190     0.596
3.69     0.413
     Composite CO  :     11.88      9.79     13.51     10.75     18.14     1.282     0.659     1.518
27.00    10.476
     Composite NOX :      0.365     0.326     0.854     0.461     0.679    0.132     0.157     2.929
1.58     0.657
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.238     0.290     0.611     0.670     0.112     0.348
     Composite CO  :     9.40      9.91     13.42     13.71     0.559     0.860
     Composite NOX :     0.240     0.352     0.769     1.039     0.081     0.310
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.711     0.688     0.602     0.678     0.675     0.741     0.789     0.000
     Composite CO  :    17.04     20.58     20.09     23.46     23.22     27.58     29.38      0.00
     Composite NOX :     0.665     0.722     0.592     0.688     0.682     0.755     0.805     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
-------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.252     0.277     0.346     0.382     0.455     0.561     0.620     0.709
     Composite CO  :     0.592     0.586     0.896     0.973     0.914     1.130     1.404     1.784
     Composite NOX :     1.053     1.001     1.618     1.757     1.859     2.300     2.527     3.204
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
-------------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=15.0
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 15.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  Jan.
                 Altitude:  Low
Minimum Temperature:  29.8 (F)
Maximum Temperature:  38.4 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                       Alcohol Blend RVP Waiver: No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.315     0.223     0.508     0.296     0.500    0.114     0.159     0.478
2.85     0.329
     Composite CO  :     11.06      9.05     12.37      9.90     12.75     0.996     0.506     1.096
19.04     9.514
     Composite NOX :      0.315     0.281     0.749     0.401     0.712    0.114     0.135     2.528
1.60     0.573
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.189     0.233     0.493     0.542     0.093     0.292
     Composite CO  :     8.68      9.16     12.28     12.56      0.427     0.665
     Composite NOX :     0.205     0.304     0.671     0.918     0.070     0.268
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.498     0.483     0.424     0.477     0.474     0.519     0.552     0.000
     Composite CO  :    11.98     14.47     14.12     16.49     16.32     19.39     20.65      0.00
     Composite NOX :     0.697     0.756     0.621     0.721     0.715     0.791     0.844     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.202     0.222     0.278     0.306     0.365     0.450     0.497     0.569
     Composite CO  :     0.427     0.423     0.646     0.702     0.659     0.816     1.013     1.287
     Composite NOX :     0.905     0.861     1.391     1.511     1.598     1.977     2.185     2.777
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
```

```
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=20.0
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 20.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.276     0.195     0.448     0.260     0.373    0.098     0.137     0.392
2.46     0.284
     Composite CO  :     10.65      8.68     11.79      9.48      9.47     0.815     0.409     0.828
15.37     9.009
     Composite NOX :      0.290     0.258     0.697     0.371     0.745    0.103     0.121     2.259
1.69     0.526
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.165     0.205     0.434     0.478     0.080     0.252
     Composite CO  :     8.32      8.79     11.71     11.98      0.344     0.541
     Composite NOX :     0.188     0.280     0.623     0.858     0.062     0.240
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.372     0.361     0.319     0.356     0.354     0.386     0.410     0.000
     Composite CO  :     8.90     10.74     10.49     12.25     12.12     14.40     15.34      0.00
     Composite NOX :     0.729     0.791     0.649     0.754     0.748     0.828     0.883     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.166     0.182     0.228     0.251     0.300     0.369     0.408     0.467
     Composite CO  :     0.323     0.319     0.488     0.530     0.498     0.616     0.765     0.972
     Composite NOX :     0.806     0.767     1.239     1.346     1.423     1.760     1.955     2.491
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=25.0
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 25.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.253     0.179     0.411     0.238     0.293    0.087     0.120     0.329
2.23     0.256
     Composite CO  :     10.42      8.47     11.48      9.24      7.43     0.698     0.346     0.654
13.12     8.719
     Composite NOX :      0.275     0.245     0.666     0.353     0.777    0.095     0.112     2.090
1.79     0.497
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.150     0.188     0.399     0.439     0.070     0.222
     Composite CO  :     8.11      8.58     11.40     11.66      0.290     0.460
     Composite NOX :     0.177     0.265     0.594     0.821     0.058     0.222
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.292     0.284     0.252     0.280     0.279     0.302     0.320     0.000
     Composite CO  :     6.98      8.43      8.23      9.61      9.51     11.30     12.03      0.00
     Composite NOX :     0.761     0.826     0.678     0.787     0.781     0.864     0.922     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.139     0.153     0.191     0.211     0.251     0.309     0.342     0.392
     Composite CO  :     0.255     0.252     0.386     0.419     0.393     0.487     0.605     0.768
     Composite NOX :     0.744     0.708     1.143     1.242     1.313     1.624     1.811     2.311
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
-----------------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=30
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 30.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  Jan.
                 Altitude:  Low
Minimum Temperature:  29.8 (F)
Maximum Temperature:  38.4 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                       Alcohol Blend RVP Waiver: No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.239     0.169     0.391     0.226     0.240    0.079     0.108     0.282
2.05     0.239
     Composite CO  :     10.36      8.42     11.38      9.18      6.16     0.622     0.305     0.541
11.50     8.604
     Composite NOX :      0.265     0.236     0.645     0.341     0.810    0.091     0.107     2.001
1.88     0.481
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.141     0.177     0.379     0.418     0.062     0.199
     Composite CO  :     8.05      8.52     11.30     11.56      0.254     0.408
     Composite NOX :     0.170     0.256     0.574     0.797     0.055     0.213
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.240     0.233     0.209     0.230     0.229     0.248     0.261     0.000
     Composite CO  :     5.79      6.99      6.82      7.97      7.89      9.37      9.98      0.00
     Composite NOX :     0.793     0.861     0.706     0.820     0.814     0.900     0.961     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.119     0.131     0.164     0.181     0.215     0.265     0.293     0.336
     Composite CO  :     0.211     0.209     0.319     0.347     0.325     0.403     0.500     0.635
     Composite NOX :     0.712     0.677     1.093     1.188     1.255     1.553     1.736     2.217
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
```

```
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=35
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 35.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.230     0.164     0.377     0.218     0.205    0.072     0.098     0.247
1.91     0.227
     Composite CO  :     10.40      8.46     11.46      9.23      5.40     0.573     0.279     0.468
10.29     8.615
     Composite NOX :      0.260     0.232     0.637     0.336     0.843    0.090     0.106     1.984
1.95     0.476
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.136     0.172     0.365     0.403     0.057     0.183
     Composite CO  :     8.10      8.57     11.38     11.64      0.232     0.375
     Composite NOX :     0.167     0.252     0.567     0.788     0.055     0.211
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.205     0.200     0.180     0.197     0.196     0.211     0.222     0.000
     Composite CO  :     5.07      6.12      5.98      6.98      6.91      8.20      8.74      0.00
     Composite NOX :     0.825     0.896     0.735     0.854     0.847     0.937     0.999     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.104     0.115     0.144     0.158     0.189     0.232     0.257     0.294
     Composite CO  :     0.183     0.181     0.276     0.300     0.282     0.349     0.433     0.550
     Composite NOX :     0.705     0.670     1.083     1.177     1.244     1.539     1.721     2.198
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=40
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 40.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.226     0.163     0.371     0.216     0.181    0.068     0.092     0.222
1.81     0.221
     Composite CO  :     10.68      8.73     11.84      9.53      4.99     0.543     0.263     0.424
9.46     8.850
     Composite NOX :      0.265     0.236     0.643     0.341     0.876    0.093     0.109     2.034
2.00     0.487
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.134     0.171     0.360     0.397     0.052     0.171
     Composite CO  :     8.35      8.85     11.76     12.03      0.218     0.354
     Composite NOX :     0.171     0.256     0.574     0.794     0.056     0.216
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-----------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.181     0.177     0.160     0.174     0.174     0.186     0.195     0.000
     Composite CO  :     4.69      5.67      5.53      6.46      6.39      7.59      8.09      0.00
     Composite NOX :     0.857     0.931     0.763     0.887     0.880     0.973     1.038     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
-----------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.093     0.103     0.129     0.142     0.169     0.208     0.230     0.264
     Composite CO  :     0.165     0.164     0.250     0.272     0.255     0.316     0.392     0.498
     Composite NOX :     0.724     0.688     1.112     1.208     1.277     1.580     1.764     2.252
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=45.
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 45.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  Jan.
                 Altitude:  Low
Minimum Temperature:  29.8 (F)
Maximum Temperature:  38.4 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                       Alcohol Blend RVP Waiver: No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
              GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.223     0.162     0.367     0.215     0.165    0.064     0.087     0.203
1.75     0.217
     Composite CO  :     10.96      9.00     12.23      9.83      4.88     0.528     0.255     0.402
8.93     9.097
     Composite NOX :      0.272     0.242     0.653     0.347     0.908    0.098     0.116     2.160
2.04     0.505
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.133     0.171     0.356     0.392     0.049     0.162
     Composite CO  :     8.61      9.12     12.14     12.42      0.211     0.344
     Composite NOX :     0.176     0.262     0.584     0.803     0.059     0.229
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.165     0.161     0.146     0.159     0.158     0.169     0.177     0.000
     Composite CO  :     4.59      5.54      5.41      6.31      6.25      7.42      7.91      0.00
     Composite NOX :     0.889     0.965     0.792     0.920     0.913     1.010     1.077     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.086     0.094     0.118     0.130     0.155     0.191     0.211     0.241
     Composite CO  :     0.157     0.155     0.237     0.258     0.242     0.299     0.372     0.473
     Composite NOX :     0.770     0.732     1.183     1.285     1.358     1.681     1.871     2.386
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
```

```
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=50
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 50.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.220     0.162     0.362     0.213     0.153    0.062     0.083     0.190
1.74     0.214
     Composite CO  :     11.23      9.27     12.61     10.13      5.04     0.526     0.254     0.399
8.71     9.356
     Composite NOX :      0.279     0.248     0.662     0.354     0.941    0.108     0.127     2.373
2.16     0.531
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.132     0.171     0.351     0.386     0.047     0.156
     Composite CO  :     8.86      9.40     12.52     12.80      0.210     0.343
     Composite NOX :     0.181     0.268     0.593     0.812     0.065     0.252
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.153     0.149     0.136     0.148     0.147     0.157     0.165     0.000
     Composite CO  :     4.74      5.72      5.59      6.52      6.46      7.67      8.17      0.00
     Composite NOX :     0.921     1.000     0.820     0.953     0.946     1.046     1.116     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.080     0.088     0.110     0.122     0.145     0.179     0.197     0.226
     Composite CO  :     0.156     0.154     0.235     0.256     0.240     0.297     0.369     0.469
     Composite NOX :     0.849     0.807     1.304     1.416     1.497     1.853     2.053     2.613
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=55
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 55.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.216     0.161     0.357     0.211     0.145    0.061     0.081     0.182
1.74     0.211
     Composite CO  :     11.51      9.54     12.99     10.43      5.50     0.536     0.260     0.415
8.71     9.627
     Composite NOX :      0.286     0.254     0.672     0.361     0.974    0.122     0.144     2.701
2.38     0.567
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.131     0.170     0.347     0.381     0.046     0.152
     Composite CO  :     9.12      9.67     12.90     13.19      0.215     0.350
     Composite NOX :     0.186     0.274     0.604     0.822     0.074     0.286
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.144     0.141     0.129     0.140     0.140     0.149     0.156     0.000
     Composite CO  :     5.17      6.25      6.10      7.12      7.05      8.37      8.91      0.00
     Composite NOX :     0.953     1.035     0.849     0.986     0.979     1.083     1.155     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.077     0.084     0.106     0.116     0.139     0.171     0.189     0.216
     Composite CO  :     0.162     0.160     0.244     0.266     0.249     0.309     0.383     0.487
     Composite NOX :     0.969     0.921     1.489     1.617     1.710     2.116     2.332     2.961
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
-----------------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=60
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 60.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  Jan.
                 Altitude:  Low
Minimum Temperature:  29.8 (F)
Maximum Temperature:  38.4 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.214     0.161     0.353     0.210     0.141    0.060     0.080     0.178
2.07     0.210
     Composite CO  :     11.79      9.81     13.38     10.73      6.35     0.561     0.273     0.451
14.05     9.925
     Composite NOX :      0.294     0.260     0.683     0.368     1.007    0.144     0.170     3.183
2.60     0.617
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.130     0.170     0.343     0.376     0.045     0.150
     Composite CO  :     9.38      9.94     13.28     13.58      0.226     0.366
     Composite NOX :     0.191     0.280     0.614     0.833     0.087     0.336
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.140     0.137     0.126     0.137     0.136     0.146     0.153     0.000
     Composite CO  :     5.96      7.20      7.03      8.21      8.13      9.65     10.28      0.00
     Composite NOX :     0.985     1.070     0.878     1.020     1.012     1.119     1.194     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.075     0.083     0.103     0.114     0.136     0.167     0.185     0.212
     Composite CO  :     0.176     0.174     0.266     0.289     0.271     0.335     0.417     0.529
     Composite NOX :     1.147     1.090     1.761     1.913     2.024     2.505     2.744     3.474
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
```

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: CON16W10.INP (file 1, run 1).                             *
*************************************************************************

* # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=2.5
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff: 10.00 Microns
                           Reformulated Gas:  No
```

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2812	0.4387	0.1511		0.0329	0.0000	0.0068	0.0869	0.0024	1.0000
Composite Emission Factors (g/mi):										
Lead:	0.0000	0.0000	0.0000	0.0000	0.0000	------	------	------	0.0000	0.0000
GASPM:	0.0037	0.0036	0.0037	0.0036	0.0173	------	------	------	0.0205	0.0038
ECARBON:	------	------	------	------	------	0.0151	0.0059	0.0297	------	0.0026
OCARBON:	------	------	------	------	------	0.0043	0.0085	0.0170	------	0.0015
SO4:	0.0005	0.0006	0.0006	0.0006	0.0013	0.0002	0.0002	0.0009	0.0002	0.0006
Total Exhaust PM:	0.0042	0.0042	0.0043	0.0042	0.0186	0.0195	0.0147	0.0476	0.0207	0.0086
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0080	0.0080	0.0080	0.0087	0.0080	0.0080	0.0246	0.0040	0.0094
Total PM:	0.0248	0.0248	0.0248	0.0248	0.0398	0.0401	0.0352	0.0847	0.0372	0.0306
SO2:	0.0066	0.0087	0.0115	0.0094	0.0166	0.0029	0.0047	0.0136	0.0033	0.0092
NH3:	0.1009	0.1015	0.1017	0.1015	0.0451	0.0068	0.0068	0.0270	0.0113	0.0922

Veh. Type:	LDGT1	LDGT2	LDGT3	LDGT4	LDDT12	LDDT34
VMT Mix:	0.1014	0.3373	0.1035	0.0476	0.0045	0.0022
Composite Emission Factors (g/mi):						
Lead:	0.0000	0.0000	0.0000	0.0000	------	------
GASPM:	0.0036	0.0036	0.0037	0.0037	------	------
ECARBON:	------	------	------	------	0.0049	0.0080
OCARBON:	------	------	------	------	0.0070	0.0115
SO4:	0.0006	0.0006	0.0006	0.0006	0.0002	0.0003
Total Exhaust PM:	0.0042	0.0042	0.0043	0.0043	0.0122	0.0198
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080
Total PM:	0.0248	0.0248	0.0248	0.0248	0.0327	0.0403
SO2:	0.0086	0.0088	0.0115	0.0115	0.0043	0.0056
NH3:	0.1007	0.1017	0.1017	0.1017	0.0068	0.0068

Veh. Type:	HDGV2B	HDGV3	HDGV4	HDGV5	HDGV6	HDGV7	HDGV8A	HDGV8B
VMT Mix:	0.0275	0.0010	0.0003	0.0010	0.0020	0.0008	0.0000	0.0000
Composite Emission Factors (g/mi):								
Lead:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GASPM:	0.0171	0.0175	0.0159	0.0173	0.0172	0.0182	0.0189	0.0000
ECARBON:	------	------	------	------	------	------	------	------
OCARBON:	------	------	------	------	------	------	------	------
SO4:	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0000
Total Exhaust PM:	0.0185	0.0188	0.0172	0.0186	0.0185	0.0195	0.0202	0.0000
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0000
Tire:	0.0080	0.0120	0.0120	0.0120	0.0120	0.0120	0.0360	0.0000
Total PM:	0.0390	0.0434	0.0418	0.0432	0.0431	0.0441	0.0688	0.0000
SO2:	0.0160	0.0173	0.0174	0.0203	0.0200	0.0219	0.0231	0.0000
NH3:	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0000

Veh. Type:	HDDV2B	HDDV3	HDDV4	HDDV5	HDDV6	HDDV7	HDDV8A	HDDV8B
VMT Mix:	0.0082	0.0025	0.0027	0.0013	0.0060	0.0087	0.0103	0.0365
Composite Emission Factors (g/mi):								
Lead:	------	------	------	------	------	------	------	------
GASPM:	------	------	------	------	------	------	------	------
ECARBON:	0.0099	0.0079	0.0111	0.0111	0.0202	0.0198	0.0227	0.0340
OCARBON:	0.0103	0.0082	0.0116	0.0115	0.0158	0.0156	0.0178	0.0107
SO4:	0.0005	0.0006	0.0007	0.0007	0.0008	0.0009	0.0010	0.0011
Total Exhaust PM:	0.0207	0.0166	0.0234	0.0232	0.0368	0.0362	0.0415	0.0457
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0120	0.0120	0.0120	0.0120	0.0120	0.0360	0.0360
Total PM:	0.0412	0.0412	0.0479	0.0478	0.0613	0.0608	0.0901	0.0943
SO2:	0.0073	0.0081	0.0093	0.0096	0.0109	0.0126	0.0144	0.0151
NH3:	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270

```
* # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
```

Diesel Fuel Sulfur Content: 15. ppm
Particle Size Cutoff: 10.00 Microns
Reformulated Gas: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2812	0.4387	0.1511		0.0329	0.0000	0.0068	0.0869	0.0024	1.0000
Composite Emission Factors (g/mi):										
Lead:	0.0000	0.0000	0.0000	0.0000	0.0000	------	------	------	0.0000	0.0000
GASPM:	0.0037	0.0036	0.0037	0.0036	0.0173	------	------	------	0.0205	0.0038
ECARBON:	------	------	------	------	------	0.0151	0.0059	0.0297	------	0.0026
OCARBON:	------	------	------	------	------	0.0043	0.0085	0.0170	------	0.0015
SO4:	0.0005	0.0006	0.0006	0.0006	0.0013	0.0002	0.0002	0.0009	0.0002	0.0006
Total Exhaust PM:	0.0042	0.0042	0.0043	0.0042	0.0186	0.0195	0.0147	0.0476	0.0207	0.0086
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0080	0.0080	0.0080	0.0087	0.0080	0.0080	0.0246	0.0040	0.0094
Total PM:	0.0248	0.0248	0.0248	0.0248	0.0398	0.0401	0.0352	0.0847	0.0372	0.0306
SO2:	0.0066	0.0087	0.0115	0.0094	0.0166	0.0029	0.0047	0.0136	0.0033	0.0092
NH3:	0.1009	0.1015	0.1017	0.1015	0.0451	0.0068	0.0068	0.0270	0.0113	0.0922

Veh. Type:	LDGT1	LDGT2	LDGT3	LDGT4	LDDT12	LDDT34
VMT Mix:	0.1014	0.3373	0.1035	0.0476	0.0045	0.0022
Composite Emission Factors (g/mi):						
Lead:	0.0000	0.0000	0.0000	0.0000	------	------
GASPM:	0.0036	0.0036	0.0037	0.0037	------	------
ECARBON:	------	------	------	------	0.0049	0.0080
OCARBON:	------	------	------	------	0.0070	0.0115
SO4:	0.0006	0.0006	0.0006	0.0006	0.0002	0.0003
Total Exhaust PM:	0.0042	0.0042	0.0043	0.0043	0.0122	0.0198
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080
Total PM:	0.0248	0.0248	0.0248	0.0248	0.0327	0.0403
SO2:	0.0086	0.0088	0.0115	0.0115	0.0043	0.0056
NH3:	0.1007	0.1017	0.1017	0.1017	0.0068	0.0068

Veh. Type:	HDGV2B	HDGV3	HDGV4	HDGV5	HDGV6	HDGV7	HDGV8A	HDGV8B
VMT Mix:	0.0275	0.0010	0.0003	0.0010	0.0020	0.0008	0.0000	0.0000
Composite Emission Factors (g/mi):								
Lead:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GASPM:	0.0171	0.0175	0.0159	0.0173	0.0172	0.0182	0.0189	0.0000
ECARBON:	------	------	------	------	------	------	------	------
OCARBON:	------	------	------	------	------	------	------	------
SO4:	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0000
Total Exhaust PM:	0.0185	0.0188	0.0172	0.0186	0.0185	0.0195	0.0202	0.0000
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0000
Tire:	0.0080	0.0120	0.0120	0.0120	0.0120	0.0120	0.0360	0.0000
Total PM:	0.0390	0.0434	0.0418	0.0432	0.0431	0.0441	0.0688	0.0000
SO2:	0.0160	0.0173	0.0174	0.0203	0.0200	0.0219	0.0231	0.0000
NH3:	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0000

Veh. Type:	HDDV2B	HDDV3	HDDV4	HDDV5	HDDV6	HDDV7	HDDV8A	HDDV8B
VMT Mix:	0.0082	0.0025	0.0027	0.0013	0.0060	0.0087	0.0103	0.0365
Composite Emission Factors (g/mi):								
Lead:	------	------	------	------	------	------	------	------
GASPM:	------	------	------	------	------	------	------	------
ECARBON:	0.0099	0.0079	0.0111	0.0111	0.0202	0.0198	0.0227	0.0340
OCARBON:	0.0103	0.0082	0.0116	0.0115	0.0158	0.0156	0.0178	0.0107
SO4:	0.0005	0.0006	0.0007	0.0007	0.0008	0.0009	0.0010	0.0011
Total Exhaust PM:	0.0207	0.0166	0.0234	0.0232	0.0368	0.0362	0.0415	0.0457
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0120	0.0120	0.0120	0.0120	0.0120	0.0360	0.0360
Total PM:	0.0412	0.0412	0.0479	0.0478	0.0613	0.0608	0.0901	0.0943
SO2:	0.0073	0.0081	0.0093	0.0096	0.0109	0.0126	0.0144	0.0151
NH3:	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
```

Calendar Year: 2016
Month: Jan.
Gasoline Fuel Sulfur Content: 30. ppm
Diesel Fuel Sulfur Content: 15. ppm
Particle Size Cutoff: 10.00 Microns
Reformulated Gas: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2812	0.4387	0.1511		0.0329	0.0000	0.0068	0.0869	0.0024	1.0000
Composite Emission Factors (g/mi):										
Lead:	0.0000	0.0000	0.0000	0.0000	0.0000	------	------	------	0.0000	0.0000
GASPM:	0.0037	0.0036	0.0037	0.0036	0.0173	------	------	------	0.0205	0.0038
ECARBON:	------	------	------	------	------	0.0151	0.0059	0.0297	------	0.0026

```
          OCARBON:    ------    ------    ------    ------    ------    0.0043    0.0085    0.0170    ------    0.0015
              SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009    0.0002    0.0006
  Total Exhaust PM:   0.0042    0.0042    0.0043    0.0042    0.0186    0.0195    0.0147    0.0476    0.0207    0.0086
            Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
             Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246    0.0040    0.0094
         Total PM:    0.0248    0.0248    0.0248    0.0248    0.0398    0.0401    0.0352    0.0847    0.0372    0.0306
              SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136    0.0033    0.0092
              NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270    0.0113    0.0922
-------------------------------------------------------------------------------------------------------------------------
        Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                      ------    ------    ------    ------    ------    ------
          VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
-------------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
             Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
            GASPM:    0.0036    0.0036    0.0037    0.0037    ------    ------
          ECARBON:    ------    ------    ------    ------    0.0049    0.0080
          OCARBON:    ------    ------    ------    ------    0.0070    0.0115
              SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
  Total Exhaust PM:   0.0042    0.0042    0.0043    0.0043    0.0122    0.0198
            Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
             Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
         Total PM:    0.0248    0.0248    0.0248    0.0248    0.0327    0.0403
              SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
              NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
-------------------------------------------------------------------------------------------------------------------------
        Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                      ------    ------    ------    ------    ------    ------    ------    ------
          VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
-------------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
             Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
            GASPM:    0.0171    0.0175    0.0159    0.0173    0.0172    0.0182    0.0189    0.0000
          ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
          OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
              SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
  Total Exhaust PM:   0.0185    0.0188    0.0172    0.0186    0.0185    0.0195    0.0202    0.0000
            Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
             Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
         Total PM:    0.0390    0.0434    0.0418    0.0432    0.0431    0.0441    0.0688    0.0000
              SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
              NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
-------------------------------------------------------------------------------------------------------------------------
        Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                      ------    ------    ------    ------    ------    ------    ------    ------
          VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
-------------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
             Lead:    ------    ------    ------    ------    ------    ------    ------    ------
            GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
          ECARBON:    0.0099    0.0079    0.0111    0.0111    0.0202    0.0198    0.0227    0.0340
          OCARBON:    0.0103    0.0082    0.0116    0.0115    0.0158    0.0156    0.0178    0.0107
              SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
  Total Exhaust PM:   0.0207    0.0166    0.0234    0.0232    0.0368    0.0362    0.0415    0.0457
            Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
             Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
         Total PM:    0.0412    0.0412    0.0479    0.0478    0.0613    0.0608    0.0901    0.0943
              SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
              NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
-------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=10.0
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #

                          Calendar Year:  2016
                                   Month:  Jan.
          Gasoline Fuel Sulfur Content:   30. ppm
            Diesel Fuel Sulfur Content:   15. ppm
                  Particle Size Cutoff: 10.00 Microns
                      Reformulated Gas:  No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  VMT Distribution:     0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869    0.0024    1.0000
-------------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
             Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------    0.0000    0.0000
            GASPM:    0.0037    0.0036    0.0037    0.0036    0.0173    ------    ------    ------    0.0205    0.0038
          ECARBON:    ------    ------    ------    ------    ------    0.0151    0.0059    0.0297    ------    0.0026
          OCARBON:    ------    ------    ------    ------    ------    0.0043    0.0085    0.0170    ------    0.0015
              SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009    0.0002    0.0006
  Total Exhaust PM:   0.0042    0.0042    0.0043    0.0042    0.0186    0.0195    0.0147    0.0476    0.0207    0.0086
            Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
             Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246    0.0040    0.0094
         Total PM:    0.0248    0.0248    0.0248    0.0248    0.0398    0.0401    0.0352    0.0847    0.0372    0.0306
              SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136    0.0033    0.0092
              NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270    0.0113    0.0922
-------------------------------------------------------------------------------------------------------------------------
        Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                      ------    ------    ------    ------    ------    ------
          VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
-------------------------------------------------------------------------------------------------------------------------
```

```
Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
             GASPM:    0.0036    0.0036    0.0037    0.0037    ------    ------
           ECARBON:    ------    ------    ------    ------    0.0049    0.0080
           OCARBON:    ------    ------    ------    ------    0.0070    0.0115
               SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
  Total Exhaust PM:    0.0042    0.0042    0.0043    0.0043    0.0122    0.0198
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
          Total PM:    0.0248    0.0248    0.0248    0.0248    0.0327    0.0403
               SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
               NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
-------------------------------------------------------------------------------------------------------------------------
         Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                       ------    ------    ------    ------    ------    ------    ------    ------
           VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
-------------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
             GASPM:    0.0171    0.0175    0.0159    0.0173    0.0172    0.0182    0.0189    0.0000
           ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
           OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
               SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
  Total Exhaust PM:    0.0185    0.0188    0.0172    0.0186    0.0185    0.0195    0.0202    0.0000
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
              Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
          Total PM:    0.0390    0.0434    0.0418    0.0432    0.0431    0.0441    0.0688    0.0000
               SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
               NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
-------------------------------------------------------------------------------------------------------------------------
         Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                       ------    ------    ------    ------    ------    ------    ------    ------
           VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
-------------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:    ------    ------    ------    ------    ------    ------    ------    ------
             GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
           ECARBON:    0.0099    0.0079    0.0111    0.0111    0.0202    0.0198    0.0227    0.0340
           OCARBON:    0.0103    0.0082    0.0116    0.0115    0.0158    0.0156    0.0178    0.0107
               SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
  Total Exhaust PM:    0.0207    0.0166    0.0234    0.0232    0.0368    0.0362    0.0415    0.0457
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
          Total PM:    0.0412    0.0412    0.0479    0.0478    0.0613    0.0608    0.0901    0.0943
               SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
               NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
-------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=15.0
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #

                            Calendar Year:  2016
                                    Month:  Jan.
                Gasoline Fuel Sulfur Content:   30. ppm
                  Diesel Fuel Sulfur Content:   15. ppm
                        Particle Size Cutoff: 10.00 Microns
                            Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869    0.0024    1.0000
-------------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------    0.0000    0.0000
             GASPM:    0.0037    0.0036    0.0037    0.0036    0.0173    ------    ------    ------    0.0205    0.0038
           ECARBON:    ------    ------    ------    ------    ------    0.0151    0.0059    0.0297    ------    0.0026
           OCARBON:    ------    ------    ------    ------    ------    0.0043    0.0085    0.0170    ------    0.0015
               SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009    0.0002    0.0006
  Total Exhaust PM:    0.0042    0.0042    0.0043    0.0042    0.0186    0.0195    0.0147    0.0476    0.0207    0.0086
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246    0.0040    0.0094
          Total PM:    0.0248    0.0248    0.0248    0.0248    0.0398    0.0401    0.0352    0.0847    0.0372    0.0306
               SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136    0.0033    0.0092
               NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270    0.0113    0.0922
-------------------------------------------------------------------------------------------------------------------------
         Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                       ------    ------    ------    ------    ------    ------
           VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
-------------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
             GASPM:    0.0036    0.0036    0.0037    0.0037    ------    ------
           ECARBON:    ------    ------    ------    ------    0.0049    0.0080
           OCARBON:    ------    ------    ------    ------    0.0070    0.0115
               SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
  Total Exhaust PM:    0.0042    0.0042    0.0043    0.0043    0.0122    0.0198
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
          Total PM:    0.0248    0.0248    0.0248    0.0248    0.0327    0.0403
               SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
               NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
-------------------------------------------------------------------------------------------------------------------------
```

Veh. Type:	HDGV2B	HDGV3	HDGV4	HDGV5	HDGV6	HDGV7	HDGV8A	HDGV8B
VMT Mix:	0.0275	0.0010	0.0003	0.0010	0.0020	0.0008	0.0000	0.0000
Composite Emission Factors (g/mi):								
Lead:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GASPM:	0.0171	0.0175	0.0159	0.0173	0.0172	0.0182	0.0189	0.0000
ECARBON:	------	------	------	------	------	------	------	------
OCARBON:	------	------	------	------	------	------	------	------
SO4:	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0000
Total Exhaust PM:	0.0185	0.0188	0.0172	0.0186	0.0185	0.0195	0.0202	0.0000
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0000
Tire:	0.0080	0.0120	0.0120	0.0120	0.0120	0.0120	0.0360	0.0000
Total PM:	0.0390	0.0434	0.0418	0.0432	0.0431	0.0441	0.0688	0.0000
SO2:	0.0160	0.0173	0.0174	0.0203	0.0200	0.0219	0.0231	0.0000
NH3:	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0000

Veh. Type:	HDDV2B	HDDV3	HDDV4	HDDV5	HDDV6	HDDV7	HDDV8A	HDDV8B
VMT Mix:	0.0082	0.0025	0.0027	0.0013	0.0060	0.0087	0.0103	0.0365
Composite Emission Factors (g/mi):								
Lead:	------	------	------	------	------	------	------	------
GASPM:	------	------	------	------	------	------	------	------
ECARBON:	0.0099	0.0079	0.0111	0.0111	0.0202	0.0198	0.0227	0.0340
OCARBON:	0.0103	0.0082	0.0116	0.0115	0.0158	0.0156	0.0178	0.0107
SO4:	0.0005	0.0006	0.0007	0.0007	0.0008	0.0009	0.0010	0.0011
Total Exhaust PM:	0.0207	0.0166	0.0234	0.0232	0.0368	0.0362	0.0415	0.0457
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0120	0.0120	0.0120	0.0120	0.0120	0.0360	0.0360
Total PM:	0.0412	0.0412	0.0479	0.0478	0.0613	0.0608	0.0901	0.0943
SO2:	0.0073	0.0081	0.0093	0.0096	0.0109	0.0126	0.0144	0.0151
NH3:	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=20.0
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #
```

Calendar Year: 2016
Month: Jan.
Gasoline Fuel Sulfur Content: 30. ppm
Diesel Fuel Sulfur Content: 15. ppm
Particle Size Cutoff: 10.00 Microns
Reformulated Gas: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2812	0.4387	0.1511		0.0329	0.0000	0.0068	0.0869	0.0024	1.0000
Composite Emission Factors (g/mi):										
Lead:	0.0000	0.0000	0.0000	0.0000	0.0000	------	------	------	0.0000	0.0000
GASPM:	0.0038	0.0036	0.0037	0.0036	0.0173	------	------	------	0.0205	0.0038
ECARBON:	------	------	------	------	------	0.0151	0.0059	0.0297	------	0.0026
OCARBON:	------	------	------	------	------	0.0043	0.0085	0.0170	------	0.0015
SO4:	0.0005	0.0006	0.0006	0.0006	0.0013	0.0002	0.0002	0.0009	0.0002	0.0006
Total Exhaust PM:	0.0042	0.0042	0.0043	0.0042	0.0186	0.0195	0.0147	0.0476	0.0207	0.0086
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0080	0.0080	0.0080	0.0087	0.0080	0.0080	0.0246	0.0040	0.0094
Total PM:	0.0248	0.0248	0.0248	0.0248	0.0398	0.0401	0.0352	0.0847	0.0372	0.0306
SO2:	0.0066	0.0087	0.0115	0.0094	0.0166	0.0029	0.0047	0.0136	0.0033	0.0092
NH3:	0.1009	0.1015	0.1017	0.1015	0.0451	0.0068	0.0068	0.0270	0.0113	0.0922

Veh. Type:	LDGT1	LDGT2	LDGT3	LDGT4	LDDT12	LDDT34
VMT Mix:	0.1014	0.3373	0.1035	0.0476	0.0045	0.0022
Composite Emission Factors (g/mi):						
Lead:	0.0000	0.0000	0.0000	0.0000	------	------
GASPM:	0.0036	0.0036	0.0037	0.0037	------	------
ECARBON:	------	------	------	------	0.0049	0.0080
OCARBON:	------	------	------	------	0.0070	0.0115
SO4:	0.0006	0.0006	0.0006	0.0006	0.0002	0.0003
Total Exhaust PM:	0.0042	0.0042	0.0043	0.0043	0.0122	0.0198
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080
Total PM:	0.0248	0.0248	0.0248	0.0248	0.0327	0.0403
SO2:	0.0086	0.0088	0.0115	0.0115	0.0043	0.0056
NH3:	0.1007	0.1017	0.1017	0.1017	0.0068	0.0068

Veh. Type:	HDGV2B	HDGV3	HDGV4	HDGV5	HDGV6	HDGV7	HDGV8A	HDGV8B
VMT Mix:	0.0275	0.0010	0.0003	0.0010	0.0020	0.0008	0.0000	0.0000
Composite Emission Factors (g/mi):								
Lead:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GASPM:	0.0171	0.0175	0.0159	0.0173	0.0172	0.0182	0.0189	0.0000
ECARBON:	------	------	------	------	------	------	------	------
OCARBON:	------	------	------	------	------	------	------	------
SO4:	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0000
Total Exhaust PM:	0.0185	0.0188	0.0172	0.0186	0.0185	0.0195	0.0202	0.0000
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0000
Tire:	0.0080	0.0120	0.0120	0.0120	0.0120	0.0120	0.0360	0.0000

Total PM:	0.0390	0.0434	0.0418	0.0432	0.0431	0.0441	0.0688	0.0000
SO2:	0.0160	0.0173	0.0174	0.0203	0.0200	0.0219	0.0231	0.0000
NH3:	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0000

Veh. Type:	HDDV2B	HDDV3	HDDV4	HDDV5	HDDV6	HDDV7	HDDV8A	HDDV8B
	---	---	---	---	---	---	---	---
VMT Mix:	0.0082	0.0025	0.0027	0.0013	0.0060	0.0087	0.0103	0.0365

Composite Emission Factors (g/mi):

Lead:	---	---	---	---	---	---	---	---
GASPM:	---	---	---	---	---	---	---	---
ECARBON:	0.0099	0.0079	0.0111	0.0111	0.0202	0.0198	0.0227	0.0340
OCARBON:	0.0103	0.0082	0.0116	0.0115	0.0158	0.0156	0.0178	0.0107
SO4:	0.0005	0.0006	0.0007	0.0007	0.0008	0.0009	0.0010	0.0011
Total Exhaust PM:	0.0207	0.0166	0.0234	0.0232	0.0368	0.0362	0.0415	0.0457
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0120	0.0120	0.0120	0.0120	0.0120	0.0360	0.0360
Total PM:	0.0412	0.0412	0.0479	0.0478	0.0613	0.0608	0.0901	0.0943
SO2:	0.0073	0.0081	0.0093	0.0096	0.0109	0.0126	0.0144	0.0151
NH3:	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=25.0
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                          Calendar Year:  2016
                                   Month:  Jan.
            Gasoline Fuel Sulfur Content:   30. ppm
              Diesel Fuel Sulfur Content:   15. ppm
                   Particle Size Cutoff: 10.00 Microns
                       Reformulated Gas:  No
```

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
	---	---	---	---	---	---	---	---	---	---
VMT Distribution:	0.2812	0.4387	0.1511		0.0329	0.0000	0.0068	0.0869	0.0024	1.0000

Composite Emission Factors (g/mi):

Lead:	0.0000	0.0000	0.0000	0.0000	0.0000	---	---	---	0.0000	0.0000
GASPM:	0.0038	0.0037	0.0037	0.0037	0.0171	---	---	---	0.0205	0.0039
ECARBON:	---	---	---	---	---	0.0151	0.0059	0.0297	---	0.0026
OCARBON:	---	---	---	---	---	0.0043	0.0085	0.0170	---	0.0015
SO4:	0.0004	0.0005	0.0005	0.0005	0.0015	0.0002	0.0002	0.0009	0.0001	0.0006
Total Exhaust PM:	0.0042	0.0042	0.0043	0.0042	0.0186	0.0195	0.0147	0.0476	0.0206	0.0086
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0080	0.0080	0.0080	0.0087	0.0080	0.0080	0.0246	0.0040	0.0094
Total PM:	0.0248	0.0248	0.0248	0.0248	0.0398	0.0401	0.0352	0.0847	0.0372	0.0306
SO2:	0.0067	0.0088	0.0115	0.0095	0.0166	0.0029	0.0047	0.0136	0.0033	0.0092
NH3:	0.1009	0.1015	0.1017	0.1015	0.0451	0.0068	0.0068	0.0270	0.0113	0.0922

Veh. Type:	LDGT1	LDGT2	LDGT3	LDGT4	LDDT12	LDDT34
	---	---	---	---	---	---
VMT Mix:	0.1014	0.3373	0.1035	0.0476	0.0045	0.0022

Composite Emission Factors (g/mi):

Lead:	0.0000	0.0000	0.0000	0.0000	---	---
GASPM:	0.0037	0.0037	0.0037	0.0037	---	---
ECARBON:	---	---	---	---	0.0049	0.0080
OCARBON:	---	---	---	---	0.0070	0.0115
SO4:	0.0005	0.0005	0.0005	0.0005	0.0002	0.0003
Total Exhaust PM:	0.0042	0.0042	0.0043	0.0043	0.0122	0.0198
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080
Total PM:	0.0248	0.0248	0.0248	0.0248	0.0327	0.0403
SO2:	0.0086	0.0088	0.0115	0.0115	0.0043	0.0056
NH3:	0.1007	0.1017	0.1017	0.1017	0.0068	0.0068

Veh. Type:	HDGV2B	HDGV3	HDGV4	HDGV5	HDGV6	HDGV7	HDGV8A	HDGV8B
	---	---	---	---	---	---	---	---
VMT Mix:	0.0275	0.0010	0.0003	0.0010	0.0020	0.0008	0.0000	0.0000

Composite Emission Factors (g/mi):

Lead:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GASPM:	0.0169	0.0173	0.0157	0.0171	0.0170	0.0180	0.0187	0.0000
ECARBON:	---	---	---	---	---	---	---	---
OCARBON:	---	---	---	---	---	---	---	---
SO4:	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0000
Total Exhaust PM:	0.0185	0.0189	0.0172	0.0186	0.0185	0.0195	0.0202	0.0000
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0000
Tire:	0.0080	0.0120	0.0120	0.0120	0.0120	0.0120	0.0360	0.0000
Total PM:	0.0390	0.0434	0.0418	0.0432	0.0431	0.0441	0.0688	0.0000
SO2:	0.0159	0.0172	0.0173	0.0203	0.0199	0.0218	0.0230	0.0000
NH3:	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0000

Veh. Type:	HDDV2B	HDDV3	HDDV4	HDDV5	HDDV6	HDDV7	HDDV8A	HDDV8B
	---	---	---	---	---	---	---	---
VMT Mix:	0.0082	0.0025	0.0027	0.0013	0.0060	0.0087	0.0103	0.0365

Composite Emission Factors (g/mi):

Lead:	---	---	---	---	---	---	---	---
GASPM:	---	---	---	---	---	---	---	---
ECARBON:	0.0099	0.0079	0.0111	0.0111	0.0202	0.0198	0.0227	0.0340
OCARBON:	0.0103	0.0082	0.0116	0.0115	0.0158	0.0156	0.0178	0.0107

SO4:	0.0005	0.0006	0.0007	0.0007	0.0008	0.0009	0.0010	0.0011
Total Exhaust PM:	0.0207	0.0166	0.0234	0.0232	0.0368	0.0362	0.0415	0.0457
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0120	0.0120	0.0120	0.0120	0.0120	0.0360	0.0360
Total PM:	0.0412	0.0412	0.0479	0.0478	0.0613	0.0608	0.0901	0.0943
SO2:	0.0073	0.0081	0.0093	0.0096	0.0109	0.0126	0.0144	0.0151
NH3:	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=30
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # # #
```

Calendar Year: 2016
Month: Jan.
Gasoline Fuel Sulfur Content: 30. ppm
Diesel Fuel Sulfur Content: 15. ppm
Particle Size Cutoff: 10.00 Microns
Reformulated Gas: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
	---	---	---	---	---	---	---	---	---	---
VMT Distribution:	0.2812	0.4387	0.1511		0.0329	0.0000	0.0068	0.0869	0.0024	1.0000
Composite Emission Factors (g/mi):										
Lead:	0.0000	0.0000	0.0000	0.0000	0.0000	------	------	------	0.0000	0.0000
GASPM:	0.0039	0.0037	0.0038	0.0037	0.0169	------	------	------	0.0205	0.0039
ECARBON:	------	------	------	------	------	0.0151	0.0059	0.0297	------	0.0026
OCARBON:	------	------	------	------	------	0.0043	0.0085	0.0170	------	0.0015
SO4:	0.0003	0.0005	0.0005	0.0005	0.0018	0.0002	0.0002	0.0009	0.0001	0.0005
Total Exhaust PM:	0.0042	0.0042	0.0043	0.0042	0.0186	0.0195	0.0147	0.0476	0.0206	0.0086
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0080	0.0080	0.0080	0.0087	0.0080	0.0080	0.0246	0.0040	0.0094
Total PM:	0.0248	0.0248	0.0248	0.0248	0.0398	0.0401	0.0352	0.0847	0.0371	0.0306
SO2:	0.0067	0.0088	0.0115	0.0095	0.0165	0.0029	0.0047	0.0136	0.0033	0.0092
NH3:	0.1009	0.1015	0.1017	0.1015	0.0451	0.0068	0.0068	0.0270	0.0113	0.0922

Veh. Type:	LDGT1	LDGT2	LDGT3	LDGT4	LDDT12	LDDT34
	---	---	---	---	---	---
VMT Mix:	0.1014	0.3373	0.1035	0.0476	0.0045	0.0022
Composite Emission Factors (g/mi):						
Lead:	0.0000	0.0000	0.0000	0.0000	------	------
GASPM:	0.0037	0.0037	0.0038	0.0038	------	------
ECARBON:	------	------	------	------	0.0049	0.0080
OCARBON:	------	------	------	------	0.0070	0.0115
SO4:	0.0005	0.0005	0.0005	0.0005	0.0002	0.0003
Total Exhaust PM:	0.0042	0.0042	0.0043	0.0043	0.0122	0.0198
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080
Total PM:	0.0247	0.0248	0.0248	0.0248	0.0327	0.0403
SO2:	0.0086	0.0088	0.0115	0.0115	0.0043	0.0056
NH3:	0.1007	0.1017	0.1017	0.1017	0.0068	0.0068

Veh. Type:	HDGV2B	HDGV3	HDGV4	HDGV5	HDGV6	HDGV7	HDGV8A	HDGV8B
	---	---	---	---	---	---	---	---
VMT Mix:	0.0275	0.0010	0.0003	0.0010	0.0020	0.0008	0.0000	0.0000
Composite Emission Factors (g/mi):								
Lead:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GASPM:	0.0168	0.0171	0.0155	0.0169	0.0168	0.0178	0.0185	0.0000
ECARBON:	------	------	------	------	------	------	------	------
OCARBON:	------	------	------	------	------	------	------	------
SO4:	0.0018	0.0018	0.0017	0.0017	0.0017	0.0017	0.0017	0.0000
Total Exhaust PM:	0.0185	0.0189	0.0173	0.0187	0.0186	0.0196	0.0203	0.0000
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0000
Tire:	0.0080	0.0120	0.0120	0.0120	0.0120	0.0120	0.0360	0.0000
Total PM:	0.0391	0.0435	0.0418	0.0432	0.0431	0.0441	0.0688	0.0000
SO2:	0.0159	0.0171	0.0172	0.0202	0.0199	0.0217	0.0229	0.0000
NH3:	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0000

Veh. Type:	HDDV2B	HDDV3	HDDV4	HDDV5	HDDV6	HDDV7	HDDV8A	HDDV8B
	---	---	---	---	---	---	---	---
VMT Mix:	0.0082	0.0025	0.0027	0.0013	0.0060	0.0087	0.0103	0.0365
Composite Emission Factors (g/mi):								
Lead:	------	------	------	------	------	------	------	------
GASPM:	------	------	------	------	------	------	------	------
ECARBON:	0.0099	0.0079	0.0111	0.0111	0.0202	0.0198	0.0227	0.0340
OCARBON:	0.0103	0.0082	0.0116	0.0115	0.0158	0.0156	0.0178	0.0107
SO4:	0.0005	0.0006	0.0007	0.0007	0.0008	0.0009	0.0010	0.0011
Total Exhaust PM:	0.0207	0.0166	0.0234	0.0232	0.0368	0.0362	0.0415	0.0457
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0120	0.0120	0.0120	0.0120	0.0120	0.0360	0.0360
Total PM:	0.0412	0.0412	0.0479	0.0478	0.0613	0.0608	0.0901	0.0943
SO2:	0.0073	0.0081	0.0093	0.0096	0.0109	0.0126	0.0144	0.0151
NH3:	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=35
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # # #
```

```
                              Calendar Year:  2016
                                     Month:  Jan.
             Gasoline Fuel Sulfur Content:   30. ppm
               Diesel Fuel Sulfur Content:   15. ppm
                     Particle Size Cutoff: 10.00 Microns
                         Reformulated Gas:  No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  VMT Distribution:     0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869    0.0024    1.0000
-----------------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:     0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------    0.0000    0.0000
             GASPM:     0.0040    0.0038    0.0038    0.0038    0.0167    ------    ------    ------    0.0205    0.0040
           ECARBON:     ------    ------    ------    ------    ------    0.0151    0.0059    0.0297    ------    0.0026
           OCARBON:     ------    ------    ------    ------    ------    0.0043    0.0085    0.0170    ------    0.0015
               SO4:     0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009    0.0001    0.0005
  Total Exhaust PM:     0.0042    0.0042    0.0043    0.0042    0.0187    0.0195    0.0147    0.0476    0.0206    0.0086
             Brake:     0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:     0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246    0.0040    0.0094
          Total PM:     0.0248    0.0247    0.0248    0.0248    0.0399    0.0401    0.0352    0.0847    0.0371    0.0306
               SO2:     0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136    0.0033    0.0092
               NH3:     0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270    0.0113    0.0922
-----------------------------------------------------------------------------------------------------------------------------
         Veh. Type:      LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
-----------------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:     0.0000    0.0000    0.0000    0.0000    ------    ------
             GASPM:     0.0038    0.0038    0.0038    0.0038    ------    ------
           ECARBON:     ------    ------    ------    ------    0.0049    0.0080
           OCARBON:     ------    ------    ------    ------    0.0070    0.0115
               SO4:     0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
  Total Exhaust PM:     0.0042    0.0042    0.0043    0.0043    0.0122    0.0198
             Brake:     0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:     0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
          Total PM:     0.0247    0.0248    0.0248    0.0248    0.0327    0.0403
               SO2:     0.0087    0.0088    0.0115    0.0115    0.0043    0.0056
               NH3:     0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
-----------------------------------------------------------------------------------------------------------------------------
         Veh. Type:     HDGV2B     HDGV3     HDGV4     HDGV5     HDGV6     HDGV7    HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
-----------------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:     0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
             GASPM:     0.0166    0.0170    0.0153    0.0167    0.0166    0.0176    0.0183    0.0000
           ECARBON:     ------    ------    ------    ------    ------    ------    ------    ------
           OCARBON:     ------    ------    ------    ------    ------    ------    ------    ------
               SO4:     0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
  Total Exhaust PM:     0.0186    0.0189    0.0173    0.0187    0.0186    0.0196    0.0203    0.0000
             Brake:     0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
              Tire:     0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
          Total PM:     0.0391    0.0435    0.0418    0.0432    0.0431    0.0441    0.0688    0.0000
               SO2:     0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
               NH3:     0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
-----------------------------------------------------------------------------------------------------------------------------
         Veh. Type:     HDDV2B     HDDV3     HDDV4     HDDV5     HDDV6     HDDV7    HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
-----------------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:     ------    ------    ------    ------    ------    ------    ------    ------
             GASPM:     ------    ------    ------    ------    ------    ------    ------    ------
           ECARBON:     0.0099    0.0079    0.0111    0.0111    0.0202    0.0198    0.0227    0.0340
           OCARBON:     0.0103    0.0082    0.0116    0.0115    0.0158    0.0156    0.0178    0.0107
               SO4:     0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
  Total Exhaust PM:     0.0207    0.0166    0.0234    0.0232    0.0368    0.0362    0.0415    0.0457
             Brake:     0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:     0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
          Total PM:     0.0412    0.0412    0.0479    0.0478    0.0613    0.0608    0.0901    0.0943
               SO2:     0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
               NH3:     0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
-----------------------------------------------------------------------------------------------------------------------------

* # # #
```

```
Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------    0.0000    0.0000
             GASPM:    0.0040    0.0038    0.0038    0.0038    0.0167    ------    ------    ------    0.0205    0.0040
           ECARBON:    ------    ------    ------    ------    ------    0.0151    0.0059    0.0297    ------    0.0026
           OCARBON:    ------    ------    ------    ------    ------    0.0043    0.0085    0.0170    ------    0.0015
               SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009    0.0001    0.0005
  Total Exhaust PM:    0.0042    0.0042    0.0043    0.0042    0.0187    0.0195    0.0147    0.0476    0.0206    0.0086
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246    0.0040    0.0094
          Total PM:    0.0248    0.0247    0.0248    0.0248    0.0399    0.0401    0.0352    0.0847    0.0371    0.0306
               SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136    0.0033    0.0092
               NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270    0.0113    0.0922
-----------------------------------------------------------------------------------------------------------------------
         Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
           VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
-----------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
             GASPM:    0.0038    0.0038    0.0038    0.0038    ------    ------
           ECARBON:    ------    ------    ------    ------    0.0049    0.0080
           OCARBON:    ------    ------    ------    ------    0.0070    0.0115
               SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
  Total Exhaust PM:    0.0042    0.0042    0.0043    0.0043    0.0122    0.0198
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
          Total PM:    0.0247    0.0248    0.0248    0.0248    0.0327    0.0403
               SO2:    0.0087    0.0088    0.0115    0.0115    0.0043    0.0056
               NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
-----------------------------------------------------------------------------------------------------------------------
         Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                       ------    ------    ------    ------    ------    ------    ------    ------
           VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
-----------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
             GASPM:    0.0166    0.0170    0.0153    0.0167    0.0166    0.0176    0.0183    0.0000
           ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
           OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
               SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
  Total Exhaust PM:    0.0186    0.0189    0.0173    0.0187    0.0186    0.0196    0.0203    0.0000
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
              Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
          Total PM:    0.0391    0.0435    0.0418    0.0432    0.0431    0.0441    0.0688    0.0000
               SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
               NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
-----------------------------------------------------------------------------------------------------------------------
         Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                       ------    ------    ------    ------    ------    ------    ------    ------
           VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
-----------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:    ------    ------    ------    ------    ------    ------    ------    ------
             GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
           ECARBON:    0.0099    0.0079    0.0111    0.0111    0.0202    0.0198    0.0227    0.0340
           OCARBON:    0.0103    0.0082    0.0116    0.0115    0.0158    0.0156    0.0178    0.0107
               SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
  Total Exhaust PM:    0.0207    0.0166    0.0234    0.0232    0.0368    0.0362    0.0415    0.0457
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
          Total PM:    0.0412    0.0412    0.0479    0.0478    0.0613    0.0608    0.0901    0.0943
               SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
               NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
-----------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=45.
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                            Calendar Year:  2016
                                     Month:  Jan.
              Gasoline Fuel Sulfur Content:   30. ppm
                Diesel Fuel Sulfur Content:   15. ppm
                     Particle Size Cutoff: 10.00 Microns
                         Reformulated Gas:  No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869    0.0024    1.0000
-----------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------    0.0000    0.0000
             GASPM:    0.0040    0.0038    0.0038    0.0038    0.0167    ------    ------    ------    0.0205    0.0040
           ECARBON:    ------    ------    ------    ------    ------    0.0151    0.0059    0.0297    ------    0.0026
           OCARBON:    ------    ------    ------    ------    ------    0.0043    0.0085    0.0170    ------    0.0015
               SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009    0.0001    0.0005
  Total Exhaust PM:    0.0042    0.0042    0.0043    0.0042    0.0187    0.0195    0.0147    0.0476    0.0206    0.0086
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246    0.0040    0.0094
          Total PM:    0.0248    0.0247    0.0248    0.0248    0.0399    0.0401    0.0352    0.0847    0.0371    0.0306
               SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136    0.0033    0.0092
               NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270    0.0113    0.0922
-----------------------------------------------------------------------------------------------------------------------
```

Veh. Type:	LDGT1	LDGT2	LDGT3	LDGT4	LDDT12	LDDT34
VMT Mix:	0.1014	0.3373	0.1035	0.0476	0.0045	0.0022
Composite Emission Factors (g/mi):						
Lead:	0.0000	0.0000	0.0000	0.0000	------	------
GASPM:	0.0038	0.0038	0.0038	0.0038	------	------
ECARBON:	------	------	------	------	0.0049	0.0080
OCARBON:	------	------	------	------	0.0070	0.0115
SO4:	0.0004	0.0004	0.0004	0.0004	0.0002	0.0003
Total Exhaust PM:	0.0042	0.0042	0.0043	0.0043	0.0122	0.0198
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080
Total PM:	0.0247	0.0248	0.0248	0.0248	0.0327	0.0403
SO2:	0.0087	0.0088	0.0115	0.0115	0.0043	0.0056
NH3:	0.1007	0.1017	0.1017	0.1017	0.0068	0.0068

Veh. Type:	HDGV2B	HDGV3	HDGV4	HDGV5	HDGV6	HDGV7	HDGV8A	HDGV8B
VMT Mix:	0.0275	0.0010	0.0003	0.0010	0.0020	0.0008	0.0000	0.0000
Composite Emission Factors (g/mi):								
Lead:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GASPM:	0.0166	0.0170	0.0153	0.0167	0.0166	0.0176	0.0183	0.0000
ECARBON:	------	------	------	------	------	------	------	------
OCARBON:	------	------	------	------	------	------	------	------
SO4:	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0000
Total Exhaust PM:	0.0186	0.0189	0.0173	0.0187	0.0186	0.0196	0.0203	0.0000
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0000
Tire:	0.0080	0.0120	0.0120	0.0120	0.0120	0.0120	0.0360	0.0000
Total PM:	0.0391	0.0435	0.0418	0.0432	0.0431	0.0441	0.0688	0.0000
SO2:	0.0158	0.0171	0.0172	0.0201	0.0198	0.0217	0.0229	0.0000
NH3:	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0000

Veh. Type:	HDDV2B	HDDV3	HDDV4	HDDV5	HDDV6	HDDV7	HDDV8A	HDDV8B
VMT Mix:	0.0082	0.0025	0.0027	0.0013	0.0060	0.0087	0.0103	0.0365
Composite Emission Factors (g/mi):								
Lead:	------	------	------	------	------	------	------	------
GASPM:	------	------	------	------	------	------	------	------
ECARBON:	0.0099	0.0079	0.0111	0.0111	0.0202	0.0198	0.0227	0.0340
OCARBON:	0.0103	0.0082	0.0116	0.0115	0.0158	0.0156	0.0178	0.0107
SO4:	0.0005	0.0006	0.0007	0.0007	0.0008	0.0009	0.0010	0.0011
Total Exhaust PM:	0.0207	0.0166	0.0234	0.0232	0.0368	0.0362	0.0415	0.0457
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0120	0.0120	0.0120	0.0120	0.0120	0.0360	0.0360
Total PM:	0.0412	0.0412	0.0479	0.0478	0.0613	0.0608	0.0901	0.0943
SO2:	0.0073	0.0081	0.0093	0.0096	0.0109	0.0126	0.0144	0.0151
NH3:	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=50
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #

                          Calendar Year:  2016
                                   Month:  Jan.
              Gasoline Fuel Sulfur Content:   30. ppm
                Diesel Fuel Sulfur Content:   15. ppm
                      Particle Size Cutoff: 10.00 Microns
                          Reformulated Gas:  No
```

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2812	0.4387	0.1511		0.0329	0.0000	0.0068	0.0869	0.0024	1.0000
Composite Emission Factors (g/mi):										
Lead:	0.0000	0.0000	0.0000	0.0000	0.0000	------	------	------	0.0000	0.0000
GASPM:	0.0040	0.0038	0.0038	0.0038	0.0167	------	------	------	0.0205	0.0040
ECARBON:	------	------	------	------	------	0.0151	0.0059	0.0297	------	0.0026
OCARBON:	------	------	------	------	------	0.0043	0.0085	0.0170	------	0.0015
SO4:	0.0002	0.0004	0.0004	0.0004	0.0020	0.0002	0.0002	0.0009	0.0001	0.0005
Total Exhaust PM:	0.0042	0.0042	0.0043	0.0042	0.0187	0.0195	0.0147	0.0476	0.0206	0.0086
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0080	0.0080	0.0080	0.0087	0.0080	0.0080	0.0246	0.0040	0.0094
Total PM:	0.0248	0.0247	0.0248	0.0248	0.0399	0.0401	0.0352	0.0847	0.0371	0.0306
SO2:	0.0067	0.0088	0.0115	0.0095	0.0164	0.0029	0.0047	0.0136	0.0033	0.0092
NH3:	0.1009	0.1015	0.1017	0.1015	0.0451	0.0068	0.0068	0.0270	0.0113	0.0922

Veh. Type:	LDGT1	LDGT2	LDGT3	LDGT4	LDDT12	LDDT34
VMT Mix:	0.1014	0.3373	0.1035	0.0476	0.0045	0.0022
Composite Emission Factors (g/mi):						
Lead:	0.0000	0.0000	0.0000	0.0000	------	------
GASPM:	0.0038	0.0038	0.0038	0.0038	------	------
ECARBON:	------	------	------	------	0.0049	0.0080
OCARBON:	------	------	------	------	0.0070	0.0115
SO4:	0.0004	0.0004	0.0004	0.0004	0.0002	0.0003
Total Exhaust PM:	0.0042	0.0042	0.0043	0.0043	0.0122	0.0198
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080

```
          Total PM:    0.0247    0.0248    0.0248    0.0248    0.0327    0.0403
               SO2:    0.0087    0.0088    0.0115    0.0115    0.0043    0.0056
               NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
-----------------------------------------------------------------------------------------------------------------------
         Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                       ------    ------    ------    ------    ------    ------    ------    ------
           VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
-----------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
             GASPM:    0.0166    0.0170    0.0153    0.0167    0.0166    0.0176    0.0183    0.0000
           ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
           OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
               SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
  Total Exhaust PM:    0.0186    0.0189    0.0173    0.0187    0.0186    0.0196    0.0203    0.0000
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
              Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
          Total PM:    0.0391    0.0435    0.0418    0.0432    0.0431    0.0441    0.0688    0.0000
               SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
               NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
-----------------------------------------------------------------------------------------------------------------------
         Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                       ------    ------    ------    ------    ------    ------    ------    ------
           VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
-----------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:    ------    ------    ------    ------    ------    ------    ------    ------
             GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
           ECARBON:    0.0099    0.0079    0.0111    0.0111    0.0202    0.0198    0.0227    0.0340
           OCARBON:    0.0103    0.0082    0.0116    0.0115    0.0158    0.0156    0.0178    0.0107
               SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
  Total Exhaust PM:    0.0207    0.0166    0.0234    0.0232    0.0368    0.0362    0.0415    0.0457
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
          Total PM:    0.0412    0.0412    0.0479    0.0478    0.0613    0.0608    0.0901    0.0943
               SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
               NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
-----------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=55
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  Jan.
              Gasoline Fuel Sulfur Content:   30. ppm
                Diesel Fuel Sulfur Content:   15. ppm
                     Particle Size Cutoff: 10.00 Microns
                         Reformulated Gas:  No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869    0.0024    1.0000
-----------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------    0.0000    0.0000
             GASPM:    0.0040    0.0038    0.0038    0.0038    0.0167    ------    ------    ------    0.0205    0.0040
           ECARBON:    ------    ------    ------    ------    ------    0.0151    0.0059    0.0297    ------    0.0026
           OCARBON:    ------    ------    ------    ------    ------    0.0043    0.0085    0.0170    ------    0.0015
               SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009    0.0001    0.0005
  Total Exhaust PM:    0.0042    0.0042    0.0043    0.0042    0.0187    0.0195    0.0147    0.0476    0.0206    0.0086
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246    0.0040    0.0094
          Total PM:    0.0248    0.0247    0.0248    0.0248    0.0399    0.0401    0.0352    0.0847    0.0371    0.0306
               SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136    0.0033    0.0092
               NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270    0.0113    0.0922
-----------------------------------------------------------------------------------------------------------------------
         Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                       ------    ------    ------    ------    ------    ------
           VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
-----------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
             GASPM:    0.0038    0.0038    0.0038    0.0038    ------    ------
           ECARBON:    ------    ------    ------    ------    0.0049    0.0080
           OCARBON:    ------    ------    ------    ------    0.0070    0.0115
               SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
  Total Exhaust PM:    0.0042    0.0042    0.0043    0.0043    0.0122    0.0198
             Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
              Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
          Total PM:    0.0247    0.0248    0.0248    0.0248    0.0327    0.0403
               SO2:    0.0087    0.0088    0.0115    0.0115    0.0043    0.0056
               NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
-----------------------------------------------------------------------------------------------------------------------
         Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                       ------    ------    ------    ------    ------    ------    ------    ------
           VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
-----------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
             GASPM:    0.0166    0.0170    0.0153    0.0167    0.0166    0.0176    0.0183    0.0000
           ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
           OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
```

```
              SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
  Total Exhaust PM:   0.0186    0.0189    0.0173    0.0187    0.0186    0.0196    0.0203    0.0000
            Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
             Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
         Total PM:    0.0391    0.0435    0.0418    0.0432    0.0431    0.0441    0.0688    0.0000
              SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
              NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
-----------------------------------------------------------------------------------------------------
        Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                      ------    ------    ------    ------    ------    ------    ------    ------
          VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
-----------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
             Lead:    ------    ------    ------    ------    ------    ------    ------    ------
            GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
          ECARBON:    0.0099    0.0079    0.0111    0.0111    0.0202    0.0198    0.0227    0.0340
          OCARBON:    0.0103    0.0082    0.0116    0.0115    0.0158    0.0156    0.0178    0.0107
              SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
  Total Exhaust PM:   0.0207    0.0166    0.0234    0.0232    0.0368    0.0362    0.0415    0.0457
            Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
             Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0360
         Total PM:    0.0412    0.0412    0.0479    0.0478    0.0613    0.0608    0.0901    0.0943
              SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
              NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
-----------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=60
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                          Calendar Year:  2016
                                   Month:  Jan.
            Gasoline Fuel Sulfur Content:   30. ppm
              Diesel Fuel Sulfur Content:   15. ppm
                   Particle Size Cutoff: 10.00 Microns
                       Reformulated Gas:  No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:                <6000     >6000     (All)
                      ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  VMT Distribution:   0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869    0.0024    1.0000
-----------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
             Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------    0.0000    0.0000
            GASPM:    0.0040    0.0038    0.0038    0.0038    0.0167    ------    ------    ------    0.0205    0.0040
          ECARBON:    ------    ------    ------    ------    ------    0.0151    0.0059    0.0297    ------    0.0026
          OCARBON:    ------    ------    ------    ------    ------    0.0043    0.0085    0.0170    ------    0.0015
              SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009    0.0001    0.0005
  Total Exhaust PM:   0.0042    0.0042    0.0043    0.0042    0.0187    0.0195    0.0147    0.0476    0.0206    0.0086
            Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
             Tire:    0.0080    0.0080    0.0080    0.0080    0.0087    0.0080    0.0080    0.0246    0.0040    0.0094
         Total PM:    0.0248    0.0247    0.0248    0.0248    0.0399    0.0401    0.0352    0.0847    0.0371    0.0306
              SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136    0.0033    0.0092
              NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270    0.0113    0.0922
-----------------------------------------------------------------------------------------------------
        Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                      ------    ------    ------    ------    ------    ------
          VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
-----------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
             Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
            GASPM:    0.0038    0.0038    0.0038    0.0038    ------    ------
          ECARBON:    ------    ------    ------    ------    0.0049    0.0080
          OCARBON:    ------    ------    ------    ------    0.0070    0.0115
              SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
  Total Exhaust PM:   0.0042    0.0042    0.0043    0.0043    0.0122    0.0198
            Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125
             Tire:    0.0080    0.0080    0.0080    0.0080    0.0080    0.0080
         Total PM:    0.0247    0.0248    0.0248    0.0248    0.0327    0.0403
              SO2:    0.0087    0.0088    0.0115    0.0115    0.0043    0.0056
              NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
-----------------------------------------------------------------------------------------------------
        Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                      ------    ------    ------    ------    ------    ------    ------    ------
          VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
-----------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
             Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
            GASPM:    0.0166    0.0170    0.0153    0.0167    0.0166    0.0176    0.0183    0.0000
          ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
          OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
              SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
  Total Exhaust PM:   0.0186    0.0189    0.0173    0.0187    0.0186    0.0196    0.0203    0.0000
            Brake:    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0125    0.0000
             Tire:    0.0080    0.0120    0.0120    0.0120    0.0120    0.0120    0.0360    0.0000
         Total PM:    0.0391    0.0435    0.0418    0.0432    0.0431    0.0441    0.0688    0.0000
              SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
              NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
-----------------------------------------------------------------------------------------------------
        Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                      ------    ------    ------    ------    ------    ------    ------    ------
          VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
-----------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
```

Lead:	------	------	------	------	------	------	------	------
GASPM:	------	------	------	------	------	------	------	------
ECARBON:	0.0099	0.0079	0.0111	0.0111	0.0202	0.0198	0.0227	0.0340
OCARBON:	0.0103	0.0082	0.0116	0.0115	0.0158	0.0156	0.0178	0.0107
SO4:	0.0005	0.0006	0.0007	0.0007	0.0008	0.0009	0.0010	0.0011
Total Exhaust PM:	0.0207	0.0166	0.0234	0.0232	0.0368	0.0362	0.0415	0.0457
Brake:	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
Tire:	0.0080	0.0120	0.0120	0.0120	0.0120	0.0120	0.0360	0.0360
Total PM:	0.0412	0.0412	0.0479	0.0478	0.0613	0.0608	0.0901	0.0943
SO2:	0.0073	0.0081	0.0093	0.0096	0.0109	0.0126	0.0144	0.0151
NH3:	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270

```
File     Run      Scenario CY       EType    Pol #    Pol Name LDGV     LDGT1    LDGT2    LDGT3    LDGT4    HDGV2B
         HDGV3    HDGV4    HDGV5    HDGV6    HDGV7    HDGV8A   HDGV8B   LDDV     LDDT12   HDDV2B   HDDV3    HDDV4
         HDDV5    HDDV6    HDDV7    HDDV8A   HDDV8B   MC       GAS BUS  URB BUS  COM BUS  LDDT34   ALL VEH  Month
         Altitude TMin     Tmax     Nom RVP  Gas Sulfur        Dsl Sulfur        I/M?     Avg Spd  NGV?     E200
         E300     Arom     Olef     Benz     MTBE vol%         MTBE MktFrac      ETBE vol%         ETBE MktFrac
         ETOH vol%         ETOH MktFrac      TAME vol%         TAME MktFrac      Part Size         Description
  1        1        1      2016     VMT      0        VMT          0.2812           0.1014           0.3373
            0.1035           0.0476           0.0275           0.0010           0.0003           0.0010
            0.0020           0.0008           0.0000           0.0000           0.0000           0.0045
            0.0082           0.0025           0.0027           0.0013           0.0060           0.0087
            0.0103           0.0365           0.0024           0.0003           0.0037           0.0070
            0.0022       1        1        1         29.8     38.4      6.8      30.      15.    Yes        2.5
         No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    10.00     Baltimore City speED=2.5
  1        1        1      2016      1       11           Lead     0.0000           0.0000           0.0000
            0.0000           0.0000           0.0000           0.0000           0.0000           0.0000
            0.0000           0.0000           0.0000           0.0000       NA       NA       NA       NA
         NA       NA       NA       NA       NA       NA           0.0000           0.0000       NA       NA
         NA           0.0000       1        1         29.8     38.4      6.8      30.      15.    Yes        2.5
         No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    10.00     Baltimore City speED=2.5
  1        1        1      2016      1       10          GASPM     0.0037           0.0036           0.0036
            0.0037           0.0037           0.0171           0.0175           0.0159           0.0173
            0.0172           0.0182           0.0189           0.0000       NA       NA       NA       NA
         NA       NA       NA       NA       NA       NA           0.0205           0.0264       NA       NA
         NA           0.0038       1        1         29.8     38.4      6.8      30.      15.    Yes        2.5
         No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    10.00     Baltimore City speED=2.5
  1        1        1      2016      1        9        ECARBON NA       NA       NA       NA       NA       NA
         NA       NA       NA       NA       NA       NA       NA           0.0151           0.0049
0.0099      0.0079           0.0111           0.0111           0.0202           0.0198           0.0227
            0.0340       NA       NA           0.0470           0.0704           0.0080           0.0026
         1        1         29.8     38.4      6.8      30.      15.    Yes        2.5    No        0.00     0.00
          0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000    0.000    0.000    10.00
          Baltimore City speED=2.5
  1        1        1      2016      1        8        OCARBON NA       NA       NA       NA       NA       NA
         NA       NA       NA       NA       NA       NA       NA           0.0043           0.0070
0.0103      0.0082           0.0116           0.0115           0.0158           0.0156           0.0178
            0.0107       NA       NA           0.0369           0.0553           0.0115           0.0015
         1        1         29.8     38.4      6.8      30.      15.    Yes        2.5    No        0.00     0.00
          0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000    0.000    0.000    10.00
          Baltimore City speED=2.5
  1        1        1      2016      1        7            SO4     0.0005           0.0006           0.0006
            0.0006           0.0006           0.0013           0.0013           0.0013           0.0013
            0.0013           0.0013           0.0013           0.0000           0.0002           0.0002
            0.0005           0.0006           0.0007           0.0007           0.0008           0.0009
            0.0010           0.0011           0.0002           0.0012           0.0015           0.0011
            0.0003           0.0006       1        1         29.8     38.4      6.8      30.      15.    Yes
          2.5    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    0.000    10.00     Baltimore City speED=2.5
  1        1        1      2016      9       14          Brake     0.0125           0.0125           0.0125
            0.0125           0.0125           0.0125           0.0125           0.0125           0.0125
            0.0125           0.0125           0.0125           0.0000           0.0125           0.0125
            0.0125           0.0125           0.0125           0.0125           0.0125           0.0125
            0.0125           0.0125           0.0125           0.0125           0.0125           0.0125
            0.0125           0.0125       1        1         29.8     38.4      6.8      30.      15.    Yes
          2.5    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    0.000    10.00     Baltimore City speED=2.5
  1        1        1      2016     10       15           Tire     0.0080           0.0080           0.0080
            0.0080           0.0080           0.0080           0.0120           0.0120           0.0120
            0.0120           0.0120           0.0360           0.0000           0.0080           0.0080
            0.0080           0.0120           0.0120           0.0120           0.0120           0.0120
            0.0360           0.0360           0.0040           0.0120           0.0120           0.0120
            0.0080           0.0094       1        1         29.8     38.4      6.8      30.      15.    Yes
          2.5    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    0.000    10.00     Baltimore City speED=2.5
  1        1        1      2016      1       12            SO2     0.0066           0.0086           0.0088
            0.0115           0.0115           0.0160           0.0173           0.0174           0.0203
            0.0200           0.0219           0.0231           0.0000           0.0029           0.0043
            0.0073           0.0081           0.0093           0.0096           0.0109           0.0126
            0.0144           0.0151           0.0033           0.0254           0.0218           0.0153
            0.0056           0.0092       1        1         29.8     38.4      6.8      30.      15.    Yes
          2.5    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    0.000    10.00     Baltimore City speED=2.5
  1        1        1      2016      1       13            NH3     0.1009           0.1007           0.1017
            0.1017           0.1017           0.0451           0.0451           0.0451           0.0451
            0.0451           0.0451           0.0451           0.0000           0.0068           0.0068
            0.0270           0.0270           0.0270           0.0270           0.0270           0.0270
            0.0270           0.0270           0.0113           0.0451           0.0270           0.0270
            0.0068           0.0922       1        1         29.8     38.4      6.8      30.      15.    Yes
```

```
          2.5    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=2.5
File    Run      Scenario CY       EType    Pol #    Pol Name LDGV     LDGT1    LDGT2    LDGT3    LDGT4    HDGV2B
        HDGV3    HDGV4    HDGV5    HDGV6    HDGV7    HDGV8A   HDGV8B   LDDV     LDDT12   HDDV2B   HDDV3    HDDV4
        HDDV5    HDDV6    HDDV7    HDDV8A   HDDV8B   MC       GAS BUS  URB BUS  COM BUS  LDDT34   ALL VEH  Month
        Altitude TMin     Tmax     Nom RVP  Gas Sulfur        Dsl Sulfur        I/M?     Avg Spd  NGV?     E200
        E300     Arom     Olef     Benz     MTBE vol%         MTBE MktFrac      ETBE vol%         ETBE MktFrac
        ETOH vol%         ETOH MktFrac      TAME vol%         TAME MktFrac      Part Size         Description
  1       1        1      2016     MPG      0        MPG            24.1             18.5             18.5
             14.2             14.2             10.1              9.4              9.3              8.0
              8.1              7.4              7.1              0.0             32.4             22.1
             13.0             11.7             10.2              9.9              8.7              7.5
              6.6              6.3             50.0              6.4              4.4              6.2
             17.0             16.1       1        1         29.8     38.4      6.8      30.      15.   Yes
          2.5    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=2.5
  1       1        1      2016     VMT      0        VMT          0.2812           0.1014           0.3373
           0.1035           0.0476           0.0275           0.0010           0.0003           0.0010
           0.0020           0.0008           0.0000           0.0000           0.0000           0.0045
           0.0082           0.0025           0.0027           0.0013           0.0060           0.0087
           0.0103           0.0365           0.0024           0.0003           0.0037           0.0070
           0.0022       1        1        1         29.8     38.4      6.8      30.      15.   Yes        2.5
        No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    10.00     Baltimore City speED=2.5
  1       1        1      2016     1        1        VOC          1.956            1.117            1.223
            2.382            2.507            2.654            2.610            2.231            2.378
            2.372            2.498            2.590            0.000            0.182            0.155
            0.365            0.401            0.502            0.553            0.659            0.812
            0.898            1.028            9.387            4.823            0.784            1.190
            0.475            1.628       1        1         29.8     38.4      6.8      30.      15.   Yes
          2.5    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=2.5
  1       1        1      2016     1        2        CO          20.687           16.609           17.439
           25.070           25.525           32.060           38.718           37.788           44.126
           43.679           51.885           55.262            0.000            2.078            0.927
            1.052            1.041            1.591            1.728            1.623            2.008
            2.494            3.169           86.368           60.785            5.727            3.870
            1.405           18.763       1        1         29.8     38.4      6.8      30.      15.   Yes
          2.5    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=2.5
  1       1        1      2016     1        3        NOX          0.500            0.331            0.486
            1.052            1.418            0.617            0.669            0.549            0.638
            0.633            0.700            0.747            0.000            0.176            0.107
            1.413            1.343            2.170            2.357            2.494            3.086
            3.360            4.242            1.787            1.560            9.560            7.019
            0.412            0.880       1        1         29.8     38.4      6.8      30.      15.   Yes
          2.5    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=2.5
  1       1        1      2016     1        4        CO2          368.1            479.3            479.3
            623.8            623.8            875.9            945.0            948.9           1107.4
           1090.0           1190.8           1254.8              0.0            314.1            460.4
            785.5            872.9            998.0           1030.4           1168.5           1351.4
           1544.5           1615.9            177.4           1375.8           2335.7           1646.1
            598.6            568.2       1        1         29.8     38.4      6.8      30.      15.   Yes
          2.5    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=2.5
  1       1        1      2016     3        1        Hot Soak     0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000       1        1         29.8     38.4      6.8      30.      15.   Yes
          2.5    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=2.5
  1       1        1      2016     4        1        Diurnal      0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000       1        1         29.8     38.4      6.8      30.      15.   Yes
          2.5    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=2.5
  1       1        1      2016     5        1        Resting      0.038            0.009            0.009
            0.030            0.030            0.037            0.037            0.038            0.038
            0.038            0.038            0.038            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.022            0.051            0.000            0.000
            0.000            0.020       1        1         29.8     38.4      6.8      30.      15.   Yes
          2.5    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=2.5
```

1 1 1 2016 6 1 Running 1.501 0.790 0.794
1.422 1.422 1.606 1.606 1.351 1.351
1.351 1.351 1.351 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.814 0.000 0.000
0.000 1.037 1 1 29.8 38.4 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=2.5
1 1 1 2016 7 1 Crankcase 0.008 0.009
0.009 0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=2.5
1 1 1 2016 8 1 Refueling 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=2.5
1 1 1 2016 11 1 Total Evap 1.546 0.807
0.811 1.462 1.462 1.652 1.652 1.399 1.399
1.399 1.399 1.399 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 2.873 0.000 0.000
0.000 1.065 1 1 29.8 38.4 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=2.5
1 1 2 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 5.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=5.0
1 1 2 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 5.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=5.0
1 1 2 2016 1 10 GASPM 0.0037 0.0036 0.0036
0.0037 0.0037 0.0171 0.0175 0.0159 0.0173
0.0172 0.0182 0.0189 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0264 NA NA
NA 0.0038 1 1 29.8 38.4 6.8 30. 15. Yes 5.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=5.0
1 1 2 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0151 0.0049
0.0099 0.0079 0.0111 0.0111 0.0202 0.0198 0.0227
0.0340 NA NA 0.0470 0.0704 0.0080 0.0026
1 1 29.8 38.4 6.8 30. 15. Yes 5.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=5.0
1 1 2 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0043 0.0070
0.0103 0.0082 0.0116 0.0115 0.0158 0.0156 0.0178
0.0107 NA NA 0.0369 0.0553 0.0115 0.0015
1 1 29.8 38.4 6.8 30. 15. Yes 5.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=5.0
1 1 2 2016 1 7 SO4 0.0005 0.0006 0.0006
0.0006 0.0006 0.0013 0.0013 0.0013 0.0013
0.0013 0.0013 0.0013 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0012 0.0015 0.0011
0.0003 0.0006 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=5.0
1 1 2 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125

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          0.0125          0.0125       1       1        29.8    38.4     6.8     30.     15.   Yes
        5.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=5.0
1       1       2     2016    10      15          Tire    0.0080          0.0080          0.0080
          0.0080          0.0080          0.0080          0.0120          0.0120          0.0120
          0.0120          0.0120          0.0360          0.0000          0.0080          0.0080
          0.0080          0.0120          0.0120          0.0120          0.0120          0.0120
          0.0360          0.0360          0.0040          0.0120          0.0120          0.0120
          0.0080          0.0094       1       1        29.8    38.4     6.8     30.     15.   Yes
        5.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=5.0
1       1       2     2016     1      12           SO2    0.0066          0.0086          0.0088
          0.0115          0.0115          0.0160          0.0173          0.0174          0.0203
          0.0200          0.0219          0.0231          0.0000          0.0029          0.0043
          0.0073          0.0081          0.0093          0.0096          0.0109          0.0126
          0.0144          0.0151          0.0033          0.0254          0.0218          0.0153
          0.0056          0.0092       1       1        29.8    38.4     6.8     30.     15.   Yes
        5.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=5.0
1       1       2     2016     1      13           NH3    0.1009          0.1007          0.1017
          0.1017          0.1017          0.0451          0.0451          0.0451          0.0451
          0.0451          0.0451          0.0451          0.0000          0.0068          0.0068
          0.0270          0.0270          0.0270          0.0270          0.0270          0.0270
          0.0270          0.0270          0.0113          0.0451          0.0270          0.0270
          0.0068          0.0922       1       1        29.8    38.4     6.8     30.     15.   Yes
        5.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=5.0
1       1       2     2016    MPG     0        MPG           24.1            18.5            18.5
            14.2            14.2            10.1             9.4             9.3             8.0
             8.1             7.4             7.1             0.0            32.4            22.1
            13.0            11.7            10.2             9.9             8.7             7.5
             6.6             6.3            50.0             6.4             4.4             6.2
            17.0            16.1       1       1        29.8    38.4     6.8     30.     15.   Yes
        5.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=5.0
1       1       2     2016    VMT     0        VMT          0.2812          0.1014          0.3373
          0.1035          0.0476          0.0275          0.0010          0.0003          0.0010
          0.0020          0.0008          0.0000          0.0000          0.0000          0.0045
          0.0082          0.0025          0.0027          0.0013          0.0060          0.0087
          0.0103          0.0365          0.0024          0.0003          0.0037          0.0070
          0.0022       1       1       1        29.8    38.4     6.8     30.     15.   Yes       5.0
      No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   10.00    Baltimore City speED=5.0
1       1       2     2016     1       1        VOC          0.711           0.426           0.498
            1.021           1.106           1.247           1.211           1.049           1.166
            1.161           1.261           1.335           0.000           0.164           0.138
            0.320           0.353           0.441           0.486           0.580           0.714
            0.789           0.904           6.148           2.317           0.689           1.046
            0.425           0.693       1       1        29.8    38.4     6.8     30.     15.   Yes
        5.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=5.0
1       1       2     2016     1       2        CO          14.663          11.735          12.332
           17.159          17.501          25.616          30.936          30.194          35.257
           34.900          41.457          44.155           0.000           1.743           0.772
            0.858           0.850           1.299           1.411           1.325           1.639
            2.036           2.587          51.569          48.568           4.675           3.159
            1.176          13.299       1       1        29.8    38.4     6.8     30.     15.   Yes
        5.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=5.0
1       1       2     2016     1       3        NOX          0.444           0.293           0.429
            0.925           1.241           0.633           0.687           0.563           0.655
            0.649           0.718           0.766           0.000           0.158           0.097
            1.270           1.207           1.950           2.118           2.242           2.773
            3.028           3.829           1.676           1.601           8.583           6.303
            0.371           0.786       1       1        29.8    38.4     6.8     30.     15.   Yes
        5.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=5.0
1       1       2     2016     1       4        CO2          368.1           479.3           479.3
            623.8           623.8           875.9           945.0           948.9          1107.4
           1090.0          1190.8          1254.8             0.0           314.1           460.4
            785.5           872.9           998.0          1030.4          1168.5          1351.4
           1544.5          1615.9           177.4          1375.8          2335.7          1646.1
            598.6           568.2       1       1        29.8    38.4     6.8     30.     15.   Yes
        5.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=5.0
1       1       2     2016     3       1       Hot Soak      0.000           0.000           0.000
            0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000       1       1        29.8    38.4     6.8     30.     15.   Yes
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          5.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=5.0
  1       1        2      2016      4        1       Diurnal       0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000        1        1         29.8     38.4      6.8      30.      15.    Yes
          5.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=5.0
  1       1        2      2016      5        1       Resting       0.038            0.009            0.009
             0.030            0.030            0.037            0.037            0.038            0.038
             0.038            0.038            0.038            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.022            0.051            0.000            0.000
             0.000            0.020        1        1         29.8     38.4      6.8      30.      15.    Yes
          5.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=5.0
  1       1        2      2016      6        1       Running       0.375            0.197            0.198
             0.355            0.355            0.401            0.401            0.338            0.338
             0.338            0.338            0.338            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.703            0.000            0.000
             0.000            0.259        1        1         29.8     38.4      6.8      30.      15.    Yes
          5.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=5.0
  1       1        2      2016      7        1       Crankcase             0.008            0.009
0.009        0.010            0.010            0.010            0.010            0.010            0.010
             0.010            0.010            0.010            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.009            0.000            0.000
             0.000            0.008        1        1         29.8     38.4      6.8      30.      15.    Yes
          5.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=5.0
  1       1        2      2016      8        1       Refueling             0.000            0.000
0.000        0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.000       NA               NA
        NA               NA               NA               NA               NA               NA
        NA               NA               0.000            0.000       NA               NA
        NA               NA               1        1         29.8     38.4      6.8      30.      15.    Yes
          5.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=5.0
  1       1        2      2016     11        1       Total Evap            0.421            0.215
0.216        0.395            0.395            0.448            0.448            0.386            0.386
             0.386            0.386            0.386            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.022            0.763            0.000            0.000
             0.000            0.287        1        1         29.8     38.4      6.8      30.      15.    Yes
          5.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=5.0
  1       1        3      2016     VMT      0        VMT         0.2812           0.1014           0.3373
            0.1035           0.0476           0.0275           0.0010           0.0003           0.0010
            0.0020           0.0008           0.0000           0.0000           0.0000           0.0045
            0.0082           0.0025           0.0027           0.0013           0.0060           0.0087
            0.0103           0.0365           0.0024           0.0003           0.0037           0.0070
            0.0022       1        1        1         29.8     38.4      6.8      30.      15.    Yes        5.0
        No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    10.00     Baltimore City speED=5.0
  1       1        3      2016      1       11           Lead     0.0000           0.0000           0.0000
            0.0000           0.0000           0.0000           0.0000           0.0000           0.0000
            0.0000           0.0000           0.0000           0.0000       NA       NA       NA       NA
        NA       NA       NA       NA       NA       NA           0.0000           0.0000       NA       NA
        NA           0.0000       1        1         29.8     38.4      6.8      30.      15.    Yes        5.0
        No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    10.00     Baltimore City speED=5.0
  1       1        3      2016      1       10          GASPM     0.0037           0.0036           0.0036
            0.0037           0.0037           0.0171           0.0175           0.0159           0.0173
            0.0172           0.0182           0.0189           0.0000       NA       NA       NA       NA
        NA       NA       NA       NA       NA       NA           0.0205           0.0264       NA       NA
        NA           0.0038       1        1         29.8     38.4      6.8      30.      15.    Yes        5.0
        No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    10.00     Baltimore City speED=5.0
  1       1        3      2016      1        9        ECARBON NA       NA       NA       NA       NA       NA
        NA       NA       NA       NA       NA       NA       NA           0.0151           0.0049
0.0099       0.0079           0.0111           0.0111           0.0202           0.0198           0.0227
            0.0340       NA       NA           0.0470           0.0704           0.0080           0.0026
        1        1         29.8     38.4      6.8      30.      15.    Yes        5.0    No       0.00     0.00
         0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000    0.000    0.000    10.00
         Baltimore City speED=5.0
  1       1        3      2016      1        8        OCARBON NA       NA       NA       NA       NA       NA
        NA       NA       NA       NA       NA       NA       NA           0.0043           0.0070
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0.0103 0.0082 0.0116 0.0115 0.0158 0.0156 0.0178
0.0107 NA NA 0.0369 0.0553 0.0115 0.0015
1 1 29.8 38.4 6.8 30. 15. Yes 5.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=5.0
1 1 3 2016 1 7 SO4 0.0005 0.0006 0.0006
0.0006 0.0006 0.0013 0.0013 0.0013 0.0013
0.0013 0.0013 0.0013 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0012 0.0015 0.0011
0.0003 0.0006 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=5.0
1 1 3 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=5.0
1 1 3 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=5.0
1 1 3 2016 1 12 SO2 0.0066 0.0086 0.0088
0.0115 0.0115 0.0160 0.0173 0.0174 0.0203
0.0200 0.0219 0.0231 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0254 0.0218 0.0153
0.0056 0.0092 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=5.0
1 1 3 2016 1 13 NH3 0.1009 0.1007 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0922 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=5.0
1 1 3 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=5.0
1 1 3 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 5.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=5.0
1 1 3 2016 1 1 VOC 0.711 0.426 0.498
1.021 1.106 1.247 1.211 1.049 1.166
1.161 1.261 1.335 0.000 0.164 0.138
0.320 0.353 0.441 0.486 0.580 0.714
0.789 0.904 6.148 2.317 0.689 1.046
0.425 0.693 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=5.0
1 1 3 2016 1 2 CO 14.663 11.735 12.332
17.159 17.501 25.616 30.936 30.194 35.257
34.900 41.457 44.155 0.000 1.743 0.772
0.858 0.850 1.299 1.411 1.325 1.639
2.036 2.587 51.569 48.568 4.675 3.159
1.176 13.299 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=5.0
1 1 3 2016 1 3 NOX 0.444 0.293 0.429
0.925 1.241 0.633 0.687 0.563 0.655
0.649 0.718 0.766 0.000 0.158 0.097
1.270 1.207 1.950 2.118 2.242 2.773

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            3.028            3.829            1.676            1.601            8.583            6.303
            0.371            0.786        1        1         29.8     38.4      6.8      30.      15.   Yes
        5.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=5.0
 1        1        3      2016      1        4        CO2          368.1            479.3            479.3
            623.8            623.8            875.9            945.0            948.9           1107.4
           1090.0           1190.8           1254.8              0.0            314.1            460.4
            785.5            872.9            998.0           1030.4           1168.5           1351.4
           1544.5           1615.9            177.4           1375.8           2335.7           1646.1
            598.6            568.2        1        1         29.8     38.4      6.8      30.      15.   Yes
        5.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=5.0
 1        1        3      2016      3        1       Hot Soak      0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000        1        1         29.8     38.4      6.8      30.      15.   Yes
        5.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=5.0
 1        1        3      2016      4        1       Diurnal       0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000        1        1         29.8     38.4      6.8      30.      15.   Yes
        5.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=5.0
 1        1        3      2016      5        1       Resting       0.038            0.009            0.009
            0.030            0.030            0.037            0.037            0.038            0.038
            0.038            0.038            0.038            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.022            0.051            0.000            0.000
            0.000            0.020        1        1         29.8     38.4      6.8      30.      15.   Yes
        5.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=5.0
 1        1        3      2016      6        1       Running       0.375            0.197            0.198
            0.355            0.355            0.401            0.401            0.338            0.338
            0.338            0.338            0.338            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.703            0.000            0.000
            0.000            0.259        1        1         29.8     38.4      6.8      30.      15.   Yes
        5.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=5.0
 1        1        3      2016      7        1       Crankcase             0.008            0.009
0.009         0.010            0.010            0.010            0.010            0.010            0.010
            0.010            0.010            0.010            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.009            0.000            0.000
            0.000            0.008        1        1         29.8     38.4      6.8      30.      15.   Yes
        5.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=5.0
 1        1        3      2016      8        1       Refueling             0.000            0.000
0.000         0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000       NA               NA
      NA               NA               NA               NA               NA               NA
      NA               NA               0.000            0.000       NA               NA
      NA               NA               1        1         29.8     38.4      6.8      30.      15.   Yes
        5.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=5.0
 1        1        3      2016     11        1       Total Evap            0.421            0.215
0.216         0.395            0.395            0.448            0.448            0.386            0.386
            0.386            0.386            0.386            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.022            0.763            0.000            0.000
            0.000            0.287        1        1         29.8     38.4      6.8      30.      15.   Yes
        5.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=5.0
 1        1        4      2016     VMT      0        VMT          0.2812           0.1014           0.3373
          0.1035           0.0476           0.0275           0.0010           0.0003           0.0010
            0.0020           0.0008           0.0000           0.0000           0.0000           0.0045
            0.0082           0.0025           0.0027           0.0013           0.0060           0.0087
            0.0103           0.0365           0.0024           0.0003           0.0037           0.0070
            0.0022       1        1        1         29.8     38.4      6.8      30.      15.   Yes      10.0
      No        0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    10.00     Baltimore City speED=10.0
 1        1        4      2016      1       11          Lead      0.0000           0.0000           0.0000
          0.0000           0.0000           0.0000           0.0000           0.0000           0.0000
            0.0000           0.0000           0.0000           0.0000       NA       NA       NA       NA
      NA       NA       NA       NA       NA       NA           0.0000           0.0000       NA       NA
      NA           0.0000       1        1         29.8     38.4      6.8      30.      15.   Yes      10.0
```

No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 1 10 GASPM 0.0037 0.0036 0.0036
0.0037 0.0037 0.0171 0.0175 0.0159 0.0173
0.0172 0.0182 0.0189 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0264 NA NA
NA 0.0038 1 1 29.8 38.4 6.8 30. 15. Yes 10.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0151 0.0049
0.0099 0.0079 0.0111 0.0111 0.0202 0.0198 0.0227
0.0340 NA NA 0.0470 0.0704 0.0080 0.0026
1 1 29.8 38.4 6.8 30. 15. Yes 10.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=10.0
1 1 4 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0043 0.0070
0.0103 0.0082 0.0116 0.0115 0.0158 0.0156 0.0178
0.0107 NA NA 0.0369 0.0553 0.0115 0.0015
1 1 29.8 38.4 6.8 30. 15. Yes 10.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=10.0
1 1 4 2016 1 7 SO4 0.0005 0.0006 0.0006
0.0006 0.0006 0.0013 0.0013 0.0013 0.0013
0.0013 0.0013 0.0013 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0012 0.0015 0.0011
0.0003 0.0006 1 1 29.8 38.4 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 1 1 29.8 38.4 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 1 1 29.8 38.4 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 1 12 SO2 0.0066 0.0086 0.0088
0.0115 0.0115 0.0160 0.0173 0.0174 0.0203
0.0200 0.0219 0.0231 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0254 0.0218 0.0153
0.0056 0.0092 1 1 29.8 38.4 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 1 13 NH3 0.1009 0.1007 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0922 1 1 29.8 38.4 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 10.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=10.0
1 1 4 2016 1 1 VOC 0.392 0.238 0.290
0.611 0.670 0.711 0.688 0.602 0.678

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          0.675          0.741          0.789          0.000          0.135          0.112
          0.252          0.277          0.346          0.382          0.455          0.561
          0.620          0.709          3.690          1.326          0.541          0.821
          0.348          0.413      1       1       29.8    38.4     6.8     30.     15.   Yes
     10.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=10.0
 1     1       4     2016     1       2       CO         11.880          9.405          9.908
         13.422         13.712         17.043         20.582         20.088         23.457
         23.220         27.582         29.377          0.000          1.282          0.559
          0.592          0.586          0.896          0.973          0.914          1.130
          1.404          1.784         26.999         32.313          3.223          2.178
          0.860         10.476      1       1       29.8    38.4     6.8     30.     15.   Yes
     10.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=10.0
 1     1       4     2016     1       3       NOX         0.365          0.240          0.352
          0.769          1.039          0.665          0.722          0.592          0.688
          0.682          0.755          0.805          0.000          0.132          0.081
          1.053          1.001          1.618          1.757          1.859          2.300
          2.527          3.204          1.582          1.682          7.105          5.219
          0.310          0.657      1       1       29.8    38.4     6.8     30.     15.   Yes
     10.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=10.0
 1     1       4     2016     1       4       CO2        368.1          479.3          479.3
          623.8          623.8          875.9          945.0          948.9         1107.4
         1090.0         1190.8         1254.8            0.0          314.1          460.4
          785.5          872.9          998.0         1030.4         1168.5         1351.4
         1544.5         1615.9          177.4         1375.8         2335.7         1646.1
          598.6          568.2      1       1       29.8    38.4     6.8     30.     15.   Yes
     10.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=10.0
 1     1       4     2016     3       1       Hot Soak      0.000          0.000          0.000
          0.000          0.000          0.000          0.000          0.000          0.000
          0.000          0.000          0.000          0.000          0.000          0.000
          0.000          0.000          0.000          0.000          0.000          0.000
          0.000          0.000          0.000          0.000          0.000          0.000
          0.000          0.000      1       1       29.8    38.4     6.8     30.     15.   Yes
     10.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=10.0
 1     1       4     2016     4       1       Diurnal       0.000          0.000          0.000
          0.000          0.000          0.000          0.000          0.000          0.000
          0.000          0.000          0.000          0.000          0.000          0.000
          0.000          0.000          0.000          0.000          0.000          0.000
          0.000          0.000      1       1       29.8    38.4     6.8     30.     15.   Yes
     10.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=10.0
 1     1       4     2016     5       1       Resting       0.038          0.009          0.009
          0.030          0.030          0.037          0.037          0.038          0.038
          0.038          0.038          0.038          0.000          0.000          0.000
          0.000          0.000          0.000          0.000          0.000          0.000
          0.000          0.000          0.022          0.051          0.000          0.000
          0.000          0.020      1       1       29.8    38.4     6.8     30.     15.   Yes
     10.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=10.0
 1     1       4     2016     6       1       Running       0.132          0.070          0.070
          0.125          0.125          0.141          0.141          0.119          0.119
          0.119          0.119          0.119          0.000          0.000          0.000
          0.000          0.000          0.000          0.000          0.000          0.000
          0.000          0.000          0.000          0.248          0.000          0.000
          0.000          0.091      1       1       29.8    38.4     6.8     30.     15.   Yes
     10.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=10.0
 1     1       4     2016     7       1       Crankcase             0.008          0.009
0.009         0.010          0.010          0.010          0.010          0.010          0.010
          0.010          0.010          0.010          0.000          0.000          0.000
          0.000          0.000          0.000          0.000          0.000          0.000
          0.000          0.000          0.000          0.009          0.000          0.000
          0.000          0.008      1       1       29.8    38.4     6.8     30.     15.   Yes
     10.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=10.0
 1     1       4     2016     8       1       Refueling             0.000          0.000
0.000         0.000          0.000          0.000          0.000          0.000          0.000
          0.000          0.000          0.000          0.000       NA             NA
    NA             NA             NA             NA             NA             NA
    NA             NA             0.000          0.000       NA             NA
    NA             NA             1       1       29.8    38.4     6.8     30.     15.   Yes
     10.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=10.0
 1     1       4     2016    11       1       Total Evap            0.178          0.087
0.088         0.165          0.165          0.188          0.188          0.167          0.167
          0.167          0.167          0.167          0.000          0.000          0.000
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            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.022            0.307            0.000            0.000
            0.000            0.119        1        1         29.8     38.4      6.8      30.      15.    Yes
         10.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=10.0
  1       1        5      2016     VMT      0        VMT          0.2812           0.1014           0.3373
           0.1035           0.0476           0.0275           0.0010           0.0003           0.0010
           0.0020           0.0008           0.0000           0.0000           0.0000           0.0045
           0.0082           0.0025           0.0027           0.0013           0.0060           0.0087
           0.0103           0.0365           0.0024           0.0003           0.0037           0.0070
           0.0022       1        1        1         29.8     38.4      6.8      30.      15.    Yes       15.0
        No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    10.00     Baltimore City speED=15.0
  1       1        5      2016      1       11           Lead     0.0000           0.0000           0.0000
           0.0000           0.0000           0.0000           0.0000           0.0000           0.0000
           0.0000           0.0000           0.0000           0.0000       NA       NA       NA       NA
        NA       NA       NA       NA       NA       NA           0.0000           0.0000       NA       NA
        NA           0.0000       1        1         29.8     38.4      6.8      30.      15.    Yes       15.0
        No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    10.00     Baltimore City speED=15.0
  1       1        5      2016      1       10          GASPM     0.0037           0.0036           0.0036
           0.0037           0.0037           0.0171           0.0175           0.0159           0.0173
           0.0172           0.0182           0.0189           0.0000       NA       NA       NA       NA
        NA       NA       NA       NA       NA       NA           0.0205           0.0264       NA       NA
        NA           0.0038       1        1         29.8     38.4      6.8      30.      15.    Yes       15.0
        No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    10.00     Baltimore City speED=15.0
  1       1        5      2016      1        9        ECARBON NA       NA       NA       NA       NA       NA
        NA       NA       NA       NA       NA       NA       NA           0.0151           0.0049
0.0099      0.0079           0.0111           0.0111           0.0202           0.0198           0.0227
           0.0340       NA       NA           0.0470           0.0704           0.0080           0.0026
        1        1         29.8     38.4      6.8      30.      15.    Yes       15.0    No        0.00     0.00
         0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000    0.000    0.000    10.00
         Baltimore City speED=15.0
  1       1        5      2016      1        8        OCARBON NA       NA       NA       NA       NA       NA
        NA       NA       NA       NA       NA       NA       NA           0.0043           0.0070
0.0103      0.0082           0.0116           0.0115           0.0158           0.0156           0.0178
           0.0107       NA       NA           0.0369           0.0553           0.0115           0.0015
        1        1         29.8     38.4      6.8      30.      15.    Yes       15.0    No        0.00     0.00
         0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000    0.000    0.000    10.00
         Baltimore City speED=15.0
  1       1        5      2016      1        7            SO4     0.0005           0.0006           0.0006
           0.0006           0.0006           0.0013           0.0013           0.0013           0.0013
           0.0013           0.0013           0.0013           0.0000           0.0002           0.0002
           0.0005           0.0006           0.0007           0.0007           0.0008           0.0009
           0.0010           0.0011           0.0002           0.0012           0.0015           0.0011
           0.0003           0.0006       1        1         29.8     38.4      6.8      30.      15.    Yes
         15.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=15.0
  1       1        5      2016      9       14          Brake     0.0125           0.0125           0.0125
           0.0125           0.0125           0.0125           0.0125           0.0125           0.0125
           0.0125           0.0125           0.0125           0.0000           0.0125           0.0125
           0.0125           0.0125           0.0125           0.0125           0.0125           0.0125
           0.0125           0.0125           0.0125           0.0125           0.0125           0.0125
           0.0125           0.0125       1        1         29.8     38.4      6.8      30.      15.    Yes
         15.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=15.0
  1       1        5      2016     10       15           Tire     0.0080           0.0080           0.0080
           0.0080           0.0080           0.0080           0.0120           0.0120           0.0120
           0.0120           0.0120           0.0360           0.0000           0.0080           0.0080
           0.0080           0.0120           0.0120           0.0120           0.0120           0.0120
           0.0360           0.0360           0.0040           0.0120           0.0120           0.0120
           0.0080           0.0094       1        1         29.8     38.4      6.8      30.      15.    Yes
         15.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=15.0
  1       1        5      2016      1       12            SO2     0.0066           0.0086           0.0088
           0.0115           0.0115           0.0160           0.0173           0.0174           0.0203
           0.0200           0.0219           0.0231           0.0000           0.0029           0.0043
           0.0073           0.0081           0.0093           0.0096           0.0109           0.0126
           0.0144           0.0151           0.0033           0.0254           0.0218           0.0153
           0.0056           0.0092       1        1         29.8     38.4      6.8      30.      15.    Yes
         15.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=15.0
  1       1        5      2016      1       13            NH3     0.1009           0.1007           0.1017
           0.1017           0.1017           0.0451           0.0451           0.0451           0.0451
           0.0451           0.0451           0.0451           0.0000           0.0068           0.0068
           0.0270           0.0270           0.0270           0.0270           0.0270           0.0270
           0.0270           0.0270           0.0113           0.0451           0.0270           0.0270
           0.0068           0.0922       1        1         29.8     38.4      6.8      30.      15.    Yes
         15.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=15.0
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1       1       5      2016     MPG      0        MPG           24.1             18.5             18.5
          14.2             14.2             10.1              9.4              9.3              8.0
           8.1              7.4              7.1              0.0             32.4             22.1
          13.0             11.7             10.2              9.9              8.7              7.5
           6.6              6.3             50.0              6.4              4.4              6.2
          17.0             16.1       1        1         29.8     38.4      6.8      30.      15.   Yes
     15.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
    0.000    0.000    0.000    10.00     Baltimore City speED=15.0
1       1       5      2016     VMT      0        VMT          0.2812           0.1014           0.3373
        0.1035           0.0476           0.0275           0.0010           0.0003           0.0010
        0.0020           0.0008           0.0000           0.0000           0.0000           0.0045
        0.0082           0.0025           0.0027           0.0013           0.0060           0.0087
        0.0103           0.0365           0.0024           0.0003           0.0037           0.0070
        0.0022       1        1        1         29.8     38.4      6.8      30.      15.   Yes      15.0
    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
    0.000    0.000    10.00     Baltimore City speED=15.0
1       1       5      2016      1        1        VOC           0.315            0.189            0.233
         0.493            0.542            0.498            0.483            0.424            0.477
         0.474            0.519            0.552            0.000            0.114            0.093
         0.202            0.222            0.278            0.306            0.365            0.450
         0.497            0.569            2.851            0.920            0.434            0.659
         0.292            0.329       1        1         29.8     38.4      6.8      30.      15.   Yes
     15.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
    0.000    0.000    0.000    10.00     Baltimore City speED=15.0
1       1       5      2016      1        2        CO           11.062            8.679            9.163
        12.281           12.556           11.980           14.468           14.121           16.489
        16.322           19.388           20.650            0.000            0.996            0.427
         0.427            0.423            0.646            0.702            0.659            0.816
         1.013            1.287           19.037           22.714            2.326            1.572
         0.665            9.514       1        1         29.8     38.4      6.8      30.      15.   Yes
     15.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
    0.000    0.000    0.000    10.00     Baltimore City speED=15.0
1       1       5      2016      1        3        NOX          0.315            0.205            0.304
         0.671            0.918            0.697            0.756            0.621            0.721
         0.715            0.791            0.844            0.000            0.114            0.070
         0.905            0.861            1.391            1.511            1.598            1.977
         2.185            2.777            1.603            1.763            6.095            4.478
         0.268            0.573       1        1         29.8     38.4      6.8      30.      15.   Yes
     15.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
    0.000    0.000    0.000    10.00     Baltimore City speED=15.0
1       1       5      2016      1        4        CO2          368.1            479.3            479.3
         623.8            623.8            875.9            945.0            948.9           1107.4
        1090.0           1190.8           1254.8              0.0            314.1            460.4
         785.5            872.9            998.0           1030.4           1168.5           1351.4
        1544.5           1615.9            177.4           1375.8           2335.7           1646.1
         598.6            568.2       1        1         29.8     38.4      6.8      30.      15.   Yes
     15.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
    0.000    0.000    0.000    10.00     Baltimore City speED=15.0
1       1       5      2016      3        1       Hot Soak      0.000            0.000            0.000
         0.000            0.000            0.000            0.000            0.000            0.000
         0.000            0.000            0.000            0.000            0.000            0.000
         0.000            0.000            0.000            0.000            0.000            0.000
         0.000            0.000            0.000            0.000            0.000            0.000
         0.000            0.000       1        1         29.8     38.4      6.8      30.      15.   Yes
     15.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
    0.000    0.000    0.000    10.00     Baltimore City speED=15.0
1       1       5      2016      4        1       Diurnal       0.000            0.000            0.000
         0.000            0.000            0.000            0.000            0.000            0.000
         0.000            0.000            0.000            0.000            0.000            0.000
         0.000            0.000            0.000            0.000            0.000            0.000
         0.000            0.000            0.000            0.000            0.000            0.000
         0.000            0.000       1        1         29.8     38.4      6.8      30.      15.   Yes
     15.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
    0.000    0.000    0.000    10.00     Baltimore City speED=15.0
1       1       5      2016      5        1       Resting       0.038            0.009            0.009
         0.030            0.030            0.037            0.037            0.038            0.038
         0.038            0.038            0.038            0.000            0.000            0.000
         0.000            0.000            0.000            0.000            0.000            0.000
         0.000            0.000            0.022            0.051            0.000            0.000
         0.000            0.020       1        1         29.8     38.4      6.8      30.      15.   Yes
     15.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
    0.000    0.000    0.000    10.00     Baltimore City speED=15.0
1       1       5      2016      6        1       Running       0.088            0.046            0.047
         0.083            0.083            0.094            0.094            0.079            0.079
         0.079            0.079            0.079            0.000            0.000            0.000
         0.000            0.000            0.000            0.000            0.000            0.000
         0.000            0.000            0.000            0.165            0.000            0.000
         0.000            0.061       1        1         29.8     38.4      6.8      30.      15.   Yes
     15.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
    0.000    0.000    0.000    10.00     Baltimore City speED=15.0
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1 1 5 2016 7 1 Crankcase 0.008 0.009
0.009 0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 8 1 Refueling 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 5 2016 11 1 Total Evap 0.134 0.064
0.064 0.123 0.123 0.141 0.141 0.127 0.127
0.127 0.127 0.127 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.224 0.000 0.000
0.000 0.089 1 1 29.8 38.4 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=15.0
1 1 6 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 1 10 GASPM 0.0038 0.0036 0.0036
0.0037 0.0037 0.0171 0.0175 0.0159 0.0173
0.0172 0.0182 0.0189 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0264 NA NA
NA 0.0038 1 1 29.8 38.4 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0151 0.0049
0.0099 0.0079 0.0111 0.0111 0.0202 0.0198 0.0227
0.0340 NA NA 0.0470 0.0704 0.0080 0.0026
1 1 29.8 38.4 6.8 30. 15. Yes 20.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=20.0
1 1 6 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0043 0.0070
0.0103 0.0082 0.0116 0.0115 0.0158 0.0156 0.0178
0.0107 NA NA 0.0369 0.0553 0.0115 0.0015
1 1 29.8 38.4 6.8 30. 15. Yes 20.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=20.0
1 1 6 2016 1 7 SO4 0.0005 0.0006 0.0006
0.0006 0.0006 0.0013 0.0013 0.0013 0.0013
0.0013 0.0013 0.0013 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0012 0.0015 0.0011
0.0003 0.0006 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120

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          0.0080          0.0094       1        1         29.8     38.4      6.8      30.      15.    Yes
       20.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=20.0
1       1        6      2016      1       12            SO2     0.0066           0.0086           0.0088
          0.0115          0.0115          0.0160           0.0173           0.0174           0.0203
          0.0200          0.0219          0.0231           0.0000           0.0029           0.0043
          0.0073          0.0081          0.0093           0.0096           0.0109           0.0126
          0.0144          0.0151          0.0033           0.0254           0.0218           0.0153
          0.0056          0.0092       1        1         29.8     38.4      6.8      30.      15.    Yes
       20.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=20.0
1       1        6      2016      1       13            NH3     0.1009           0.1007           0.1017
          0.1017          0.1017          0.0451           0.0451           0.0451           0.0451
          0.0451          0.0451          0.0451           0.0000           0.0068           0.0068
          0.0270          0.0270          0.0270           0.0270           0.0270           0.0270
          0.0270          0.0270          0.0113           0.0451           0.0270           0.0270
          0.0068          0.0922       1        1         29.8     38.4      6.8      30.      15.    Yes
       20.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=20.0
1       1        6      2016     MPG      0        MPG            24.1             18.5             18.5
            14.2             14.2             10.1              9.4              9.3              8.0
             8.1              7.4              7.1              0.0             32.4             22.1
            13.0             11.7             10.2              9.9              8.7              7.5
             6.6              6.3             50.0              6.4              4.4              6.2
            17.0             16.1       1        1         29.8     38.4      6.8      30.      15.    Yes
       20.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=20.0
1       1        6      2016     VMT      0        VMT          0.2812           0.1014           0.3373
          0.1035          0.0476          0.0275           0.0010           0.0003           0.0010
          0.0020          0.0008          0.0000           0.0000           0.0000           0.0045
          0.0082          0.0025          0.0027           0.0013           0.0060           0.0087
          0.0103          0.0365          0.0024           0.0003           0.0037           0.0070
          0.0022       1        1        1         29.8     38.4      6.8      30.      15.    Yes       20.0
      No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    10.00     Baltimore City speED=20.0
1       1        6      2016      1        1        VOC          0.276            0.165            0.205
           0.434            0.478            0.372            0.361            0.319            0.356
           0.354            0.386            0.410            0.000            0.098            0.080
           0.166            0.182            0.228            0.251            0.300            0.369
           0.408            0.467            2.464            0.678            0.356            0.540
           0.252            0.284       1        1         29.8     38.4      6.8      30.      15.    Yes
       20.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=20.0
1       1        6      2016      1        2        CO          10.654            8.317            8.790
          11.710           11.979            8.897           10.745           10.487           12.246
          12.122           14.399           15.336            0.000            0.815            0.344
           0.323            0.319            0.488            0.530            0.498            0.616
           0.765            0.972           15.371           16.869            1.757            1.187
           0.541            9.009       1        1         29.8     38.4      6.8      30.      15.    Yes
       20.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=20.0
1       1        6      2016      1        3        NOX          0.290            0.188            0.280
           0.623            0.858            0.729            0.791            0.649            0.754
           0.748            0.828            0.883            0.000            0.103            0.062
           0.806            0.767            1.239            1.346            1.423            1.760
           1.955            2.491            1.685            1.844            5.419            3.982
           0.240            0.526       1        1         29.8     38.4      6.8      30.      15.    Yes
       20.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=20.0
1       1        6      2016      1        4        CO2          368.1            479.3            479.3
           623.8            623.8            875.9            945.0            948.9           1107.4
          1090.0           1190.8           1254.8              0.0            314.1            460.4
           785.5            872.9            998.0           1030.4           1168.5           1351.4
          1544.5           1615.9            177.4           1375.8           2335.7           1646.1
           598.6            568.2       1        1         29.8     38.4      6.8      30.      15.    Yes
       20.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=20.0
1       1        6      2016      3        1       Hot Soak      0.000            0.000            0.000
           0.000            0.000            0.000            0.000            0.000            0.000
           0.000            0.000            0.000            0.000            0.000            0.000
           0.000            0.000            0.000            0.000            0.000            0.000
           0.000            0.000            0.000            0.000            0.000            0.000
           0.000            0.000       1        1         29.8     38.4      6.8      30.      15.    Yes
       20.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=20.0
1       1        6      2016      4        1       Diurnal       0.000            0.000            0.000
           0.000            0.000            0.000            0.000            0.000            0.000
           0.000            0.000            0.000            0.000            0.000            0.000
           0.000            0.000            0.000            0.000            0.000            0.000
           0.000            0.000            0.000            0.000            0.000            0.000
           0.000            0.000       1        1         29.8     38.4      6.8      30.      15.    Yes
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20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 5 1 Resting 0.038 0.009 0.009
0.030 0.030 0.037 0.037 0.038 0.038
0.038 0.038 0.038 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.051 0.000 0.000
0.000 0.020 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 6 1 Running 0.066 0.035 0.035
0.063 0.063 0.071 0.071 0.059 0.059
0.059 0.059 0.059 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.124 0.000 0.000
0.000 0.046 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 7 1 Crankcase 0.008 0.009
0.009 0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 8 1 Refueling 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 6 2016 11 1 Total Evap 0.112 0.052
0.053 0.102 0.102 0.117 0.117 0.107 0.107
0.107 0.107 0.107 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.183 0.000 0.000
0.000 0.074 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=20.0
1 1 7 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 1 10 GASPM 0.0038 0.0037 0.0037
0.0037 0.0037 0.0169 0.0173 0.0157 0.0171
0.0170 0.0180 0.0187 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0262 NA NA
NA 0.0039 1 1 29.8 38.4 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=25.0
1 1 7 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA 0.0151 0.0049
0.0099 0.0079 0.0111 0.0111 0.0202 0.0198 0.0227
0.0340 NA NA 0.0470 0.0704 0.0080 0.0026
1 1 29.8 38.4 6.8 30. 15. Yes 25.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=25.0
1 1 7 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0043 0.0070
0.0103 0.0082 0.0116 0.0115 0.0158 0.0156 0.0178
0.0107 NA NA 0.0369 0.0553 0.0115 0.0015
1 1 29.8 38.4 6.8 30. 15. Yes 25.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=25.0
1 1 7 2016 1 7 SO4 0.0004 0.0005 0.0005
0.0005 0.0005 0.0015 0.0015 0.0015 0.0015
0.0015 0.0015 0.0015 0.0000 0.0002 0.0002

```
          0.0005          0.0006          0.0007          0.0007          0.0008          0.0009
          0.0010          0.0011          0.0001          0.0014          0.0015          0.0011
          0.0003          0.0006       1       1        29.8    38.4     6.8     30.     15.   Yes
       25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1       1       7     2016     9      14         Brake    0.0125          0.0125          0.0125
          0.0125          0.0125          0.0125          0.0125          0.0125          0.0125
          0.0125          0.0125          0.0125          0.0000          0.0125          0.0125
          0.0125          0.0125          0.0125          0.0125          0.0125          0.0125
          0.0125          0.0125          0.0125          0.0125          0.0125          0.0125
          0.0125          0.0125       1       1        29.8    38.4     6.8     30.     15.   Yes
       25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1       1       7     2016    10      15          Tire    0.0080          0.0080          0.0080
          0.0080          0.0080          0.0080          0.0120          0.0120          0.0120
          0.0120          0.0120          0.0360          0.0000          0.0080          0.0080
          0.0080          0.0120          0.0120          0.0120          0.0120          0.0120
          0.0360          0.0360          0.0040          0.0120          0.0120          0.0120
          0.0080          0.0094       1       1        29.8    38.4     6.8     30.     15.   Yes
       25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1       1       7     2016     1      12           SO2    0.0067          0.0086          0.0088
          0.0115          0.0115          0.0159          0.0172          0.0173          0.0203
          0.0199          0.0218          0.0230          0.0000          0.0029          0.0043
          0.0073          0.0081          0.0093          0.0096          0.0109          0.0126
          0.0144          0.0151          0.0033          0.0253          0.0218          0.0153
          0.0056          0.0092       1       1        29.8    38.4     6.8     30.     15.   Yes
       25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1       1       7     2016     1      13           NH3    0.1009          0.1007          0.1017
          0.1017          0.1017          0.0451          0.0451          0.0451          0.0451
          0.0451          0.0451          0.0451          0.0000          0.0068          0.0068
          0.0270          0.0270          0.0270          0.0270          0.0270          0.0270
          0.0270          0.0270          0.0113          0.0451          0.0270          0.0270
          0.0068          0.0922       1       1        29.8    38.4     6.8     30.     15.   Yes
       25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1       1       7     2016     MPG     0        MPG           24.1            18.5            18.5
         14.2            14.2            10.1             9.4             9.3             8.0
          8.1             7.4             7.1             0.0            32.4            22.1
         13.0            11.7            10.2             9.9             8.7             7.5
          6.6             6.3            50.0             6.4             4.4             6.2
         17.0            16.1       1       1        29.8    38.4     6.8     30.     15.   Yes
       25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1       1       7     2016     VMT     0        VMT          0.2812          0.1014          0.3373
          0.1035          0.0476          0.0275          0.0010          0.0003          0.0010
          0.0020          0.0008          0.0000          0.0000          0.0000          0.0045
          0.0082          0.0025          0.0027          0.0013          0.0060          0.0087
          0.0103          0.0365          0.0024          0.0003          0.0037          0.0070
          0.0022       1       1       1        29.8    38.4     6.8     30.     15.   Yes      25.0
      No        0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   10.00    Baltimore City speED=25.0
1       1       7     2016     1       1        VOC          0.253           0.150           0.188
           0.399           0.439           0.292           0.284           0.252           0.280
           0.279           0.302           0.320           0.000           0.087           0.070
           0.139           0.153           0.191           0.211           0.251           0.309
           0.342           0.392           2.226           0.526           0.299           0.453
           0.222           0.256       1       1        29.8    38.4     6.8     30.     15.   Yes
       25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1       1       7     2016     1       2        CO          10.425           8.111           8.580
          11.400          11.665           6.981           8.431           8.229           9.609
           9.511          11.298          12.034           0.000           0.698           0.290
           0.255           0.252           0.386           0.419           0.393           0.487
           0.605           0.768          13.124          13.236           1.388           0.938
           0.460           8.719       1       1        29.8    38.4     6.8     30.     15.   Yes
       25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1       1       7     2016     1       3        NOX          0.275           0.177           0.265
           0.594           0.821           0.761           0.826           0.678           0.787
           0.781           0.864           0.922           0.000           0.095           0.058
           0.744           0.708           1.143           1.242           1.313           1.624
           1.811           2.311           1.787           1.925           4.993           3.671
           0.222           0.497       1       1        29.8    38.4     6.8     30.     15.   Yes
       25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1       1       7     2016     1       4        CO2          368.1           479.3           479.3
           623.8           623.8           875.9           945.0           948.9          1107.4
          1090.0          1190.8          1254.8             0.0           314.1           460.4
           785.5           872.9           998.0          1030.4          1168.5          1351.4
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          1544.5          1615.9           177.4          1375.8          2335.7          1646.1
           598.6           568.2       1        1        29.8    38.4     6.8     30.     15.   Yes
     25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1     1       7     2016     3       1      Hot Soak     0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000       1        1        29.8    38.4     6.8     30.     15.   Yes
     25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1     1       7     2016     4       1      Diurnal      0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000       1        1        29.8    38.4     6.8     30.     15.   Yes
     25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1     1       7     2016     5       1      Resting      0.038           0.009           0.009
          0.030           0.030           0.037           0.037           0.038           0.038
          0.038           0.038           0.038           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.022           0.051           0.000           0.000
          0.000           0.020       1        1        29.8    38.4     6.8     30.     15.   Yes
     25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1     1       7     2016     6       1      Running      0.053           0.028           0.028
          0.050           0.050           0.057           0.057           0.048           0.048
          0.048           0.048           0.048           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.099           0.000           0.000
          0.000           0.037       1        1        29.8    38.4     6.8     30.     15.   Yes
     25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1     1       7     2016     7       1      Crankcase            0.008           0.009
0.009     0.010           0.010           0.010           0.010           0.010           0.010
          0.010           0.010           0.010           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.009           0.000           0.000
          0.000           0.008       1        1        29.8    38.4     6.8     30.     15.   Yes
     25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1     1       7     2016     8       1      Refueling            0.000           0.000
0.000     0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.000       NA              NA
     NA              NA              NA              NA              NA              NA
     NA              NA              0.000           0.000       NA              NA
     NA              NA              1        1        29.8    38.4     6.8     30.     15.   Yes
     25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1     1       7     2016    11       1      Total Evap           0.098           0.045
0.046     0.090           0.090           0.103           0.103           0.095           0.095
          0.095           0.095           0.095           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.022           0.158           0.000           0.000
          0.000           0.065       1        1        29.8    38.4     6.8     30.     15.   Yes
     25.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   0.000   10.00    Baltimore City speED=25.0
1     1       8     2016    VMT      0       VMT          0.2812          0.1014          0.3373
         0.1035          0.0476          0.0275          0.0010          0.0003          0.0010
         0.0020          0.0008          0.0000          0.0000          0.0000          0.0045
         0.0082          0.0025          0.0027          0.0013          0.0060          0.0087
         0.0103          0.0365          0.0024          0.0003          0.0037          0.0070
         0.0022       1       1       1        29.8    38.4     6.8     30.     15.   Yes      30.0
     No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   10.00    Baltimore City speED=30
1     1       8     2016     1      11       Lead         0.0000          0.0000          0.0000
         0.0000          0.0000          0.0000          0.0000          0.0000          0.0000
         0.0000          0.0000          0.0000          0.0000      NA      NA      NA      NA
     NA      NA      NA      NA      NA      NA           0.0000          0.0000      NA      NA
     NA          0.0000       1       1        29.8    38.4     6.8     30.     15.   Yes      30.0
     No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000   0.000
    0.000   0.000   10.00    Baltimore City speED=30
1     1       8     2016     1      10       GASPM        0.0039          0.0037          0.0037
         0.0038          0.0038          0.0168          0.0171          0.0155          0.0169
         0.0168          0.0178          0.0185          0.0000      NA      NA      NA      NA
     NA      NA      NA      NA      NA      NA           0.0205          0.0261      NA      NA
     NA          0.0039       1       1        29.8    38.4     6.8     30.     15.   Yes      30.0
```

No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0151 0.0049
0.0099 0.0079 0.0111 0.0111 0.0202 0.0198 0.0227
0.0340 NA NA 0.0470 0.0704 0.0080 0.0026
1 1 29.8 38.4 6.8 30. 15. Yes 30.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=30
1 1 8 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0043 0.0070
0.0103 0.0082 0.0116 0.0115 0.0158 0.0156 0.0178
0.0107 NA NA 0.0369 0.0553 0.0115 0.0015
1 1 29.8 38.4 6.8 30. 15. Yes 30.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=30
1 1 8 2016 1 7 SO4 0.0003 0.0005 0.0005
0.0005 0.0005 0.0018 0.0018 0.0017 0.0017
0.0017 0.0017 0.0017 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0016 0.0015 0.0011
0.0003 0.0005 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 1 12 SO2 0.0067 0.0086 0.0088
0.0115 0.0115 0.0159 0.0171 0.0172 0.0202
0.0199 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0218 0.0153
0.0056 0.0092 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 1 13 NH3 0.1009 0.1007 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0922 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=30
1 1 8 2016 1 1 VOC 0.239 0.141 0.177
0.379 0.418 0.240 0.233 0.209 0.230
0.229 0.248 0.261 0.000 0.079 0.062
0.119 0.131 0.164 0.181 0.215 0.265
0.293 0.336 2.047 0.426 0.256 0.389
0.199 0.239 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=30

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 1       1       8     2016     1       2       CO         10.356            8.054            8.525
           11.301           11.564           5.788            6.990            6.822            7.966
            7.885            9.367           9.976            0.000            0.622            0.254
            0.211            0.209           0.319            0.347            0.325            0.403
            0.500            0.635          11.499           10.973            1.148            0.776
            0.408            8.604       1       1        29.8    38.4      6.8      30.      15.   Yes
         30.0   No        0.00     0.00    0.00     0.00    0.00   0.000    0.000    0.000    0.000    0.000
        0.000   0.000    0.000   10.00    Baltimore City speED=30
 1       1       8     2016     1       3       NOX        0.265            0.170            0.256
            0.574            0.797           0.793            0.861            0.706            0.820
            0.814            0.900           0.961            0.000            0.091            0.055
            0.712            0.677           1.093            1.188            1.255            1.553
            1.736            2.217           1.882            2.006            4.771            3.507
            0.213            0.481       1       1        29.8    38.4      6.8      30.      15.   Yes
         30.0   No        0.00     0.00    0.00     0.00    0.00   0.000    0.000    0.000    0.000    0.000
        0.000   0.000    0.000   10.00    Baltimore City speED=30
 1       1       8     2016     1       4       CO2        368.1            479.3            479.3
            623.8            623.8           875.9            945.0            948.9           1107.4
           1090.0           1190.8          1254.8              0.0            314.1            460.4
            785.5            872.9           998.0           1030.4           1168.5           1351.4
           1544.5           1615.9           177.4           1375.8           2335.7           1646.1
            598.6            568.2       1       1        29.8    38.4      6.8      30.      15.   Yes
         30.0   No        0.00     0.00    0.00     0.00    0.00   0.000    0.000    0.000    0.000    0.000
        0.000   0.000    0.000   10.00    Baltimore City speED=30
 1       1       8     2016     3       1       Hot Soak   0.000            0.000            0.000
            0.000            0.000           0.000            0.000            0.000            0.000
            0.000            0.000           0.000            0.000            0.000            0.000
            0.000            0.000           0.000            0.000            0.000            0.000
            0.000            0.000           0.000            0.000            0.000            0.000
            0.000            0.000       1       1        29.8    38.4      6.8      30.      15.   Yes
         30.0   No        0.00     0.00    0.00     0.00    0.00   0.000    0.000    0.000    0.000    0.000
        0.000   0.000    0.000   10.00    Baltimore City speED=30
 1       1       8     2016     4       1       Diurnal    0.000            0.000            0.000
            0.000            0.000           0.000            0.000            0.000            0.000
            0.000            0.000           0.000            0.000            0.000            0.000
            0.000            0.000           0.000            0.000            0.000            0.000
            0.000            0.000           0.000            0.000            0.000            0.000
            0.000            0.000       1       1        29.8    38.4      6.8      30.      15.   Yes
         30.0   No        0.00     0.00    0.00     0.00    0.00   0.000    0.000    0.000    0.000    0.000
        0.000   0.000    0.000   10.00    Baltimore City speED=30
 1       1       8     2016     5       1       Resting    0.038            0.009            0.009
            0.030            0.030           0.037            0.037            0.038            0.038
            0.038            0.038           0.038            0.000            0.000            0.000
            0.000            0.000           0.000            0.000            0.000            0.000
            0.000            0.000           0.022            0.051            0.000            0.000
            0.000            0.020       1       1        29.8    38.4      6.8      30.      15.   Yes
         30.0   No        0.00     0.00    0.00     0.00    0.00   0.000    0.000    0.000    0.000    0.000
        0.000   0.000    0.000   10.00    Baltimore City speED=30
 1       1       8     2016     6       1       Running    0.044            0.023            0.023
            0.042            0.042           0.047            0.047            0.040            0.040
            0.040            0.040           0.040            0.000            0.000            0.000
            0.000            0.000           0.000            0.000            0.000            0.000
            0.000            0.000           0.000            0.083            0.000            0.000
            0.000            0.030       1       1        29.8    38.4      6.8      30.      15.   Yes
         30.0   No        0.00     0.00    0.00     0.00    0.00   0.000    0.000    0.000    0.000    0.000
        0.000   0.000    0.000   10.00    Baltimore City speED=30
 1       1       8     2016     7       1       Crankcase             0.008            0.009
0.009       0.010            0.010           0.010            0.010            0.010            0.010
            0.010            0.010           0.010            0.000            0.000            0.000
            0.000            0.000           0.000            0.000            0.000            0.000
            0.000            0.000           0.000            0.009            0.000            0.000
            0.000            0.008       1       1        29.8    38.4      6.8      30.      15.   Yes
         30.0   No        0.00     0.00    0.00     0.00    0.00   0.000    0.000    0.000    0.000    0.000
        0.000   0.000    0.000   10.00    Baltimore City speED=30
 1       1       8     2016     8       1       Refueling             0.000            0.000
0.000       0.000            0.000           0.000            0.000            0.000            0.000
            0.000            0.000           0.000            0.000       NA               NA
        NA               NA               NA               NA               NA               NA
        NA               NA                   0.000            0.000       NA               NA
        NA               NA               1       1        29.8    38.4      6.8      30.      15.   Yes
         30.0   No        0.00     0.00    0.00     0.00    0.00   0.000    0.000    0.000    0.000    0.000
        0.000   0.000    0.000   10.00    Baltimore City speED=30
 1       1       8     2016    11       1       Total Evap            0.089            0.041
0.041       0.081            0.081           0.094            0.094            0.087            0.087
            0.087            0.087           0.087            0.000            0.000            0.000
            0.000            0.000           0.000            0.000            0.000            0.000
            0.000            0.000           0.022            0.142            0.000            0.000
            0.000            0.059       1       1        29.8    38.4      6.8      30.      15.   Yes
         30.0   No        0.00     0.00    0.00     0.00    0.00   0.000    0.000    0.000    0.000    0.000
        0.000   0.000    0.000   10.00    Baltimore City speED=30
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1       1       9      2016     VMT      0        VMT          0.2812           0.1014           0.3373
          0.1035           0.0476           0.0275           0.0010           0.0003           0.0010
          0.0020           0.0008           0.0000           0.0000           0.0000           0.0045
          0.0082           0.0025           0.0027           0.0013           0.0060           0.0087
          0.0103           0.0365           0.0024           0.0003           0.0037           0.0070
          0.0022       1        1        1         29.8     38.4      6.8      30.      15.    Yes       35.0
        No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    10.00     Baltimore City speED=35
1       1       9      2016      1       11           Lead     0.0000           0.0000           0.0000
          0.0000           0.0000           0.0000           0.0000           0.0000           0.0000
          0.0000           0.0000           0.0000           0.0000       NA       NA       NA       NA
        NA       NA       NA       NA       NA       NA           0.0000           0.0000       NA       NA
        NA           0.0000       1        1         29.8     38.4      6.8      30.      15.    Yes       35.0
        No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    10.00     Baltimore City speED=35
1       1       9      2016      1       10          GASPM     0.0040           0.0038           0.0038
          0.0038           0.0038           0.0166           0.0170           0.0153           0.0167
          0.0166           0.0176           0.0183           0.0000       NA       NA       NA       NA
        NA       NA       NA       NA       NA       NA           0.0205           0.0259       NA       NA
        NA           0.0040       1        1         29.8     38.4      6.8      30.      15.    Yes       35.0
        No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    10.00     Baltimore City speED=35
1       1       9      2016      1        9        ECARBON NA       NA       NA       NA       NA       NA
        NA       NA       NA       NA       NA       NA       NA           0.0151           0.0049
0.0099      0.0079           0.0111           0.0111           0.0202           0.0198           0.0227
          0.0340       NA       NA           0.0470           0.0704           0.0080           0.0026
        1       1         29.8     38.4      6.8      30.      15.    Yes       35.0    No        0.00     0.00
         0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000    0.000    0.000    10.00
         Baltimore City speED=35
1       1       9      2016      1        8        OCARBON NA       NA       NA       NA       NA       NA
        NA       NA       NA       NA       NA       NA       NA           0.0043           0.0070
0.0103      0.0082           0.0116           0.0115           0.0158           0.0156           0.0178
          0.0107       NA       NA           0.0369           0.0553           0.0115           0.0015
        1       1         29.8     38.4      6.8      30.      15.    Yes       35.0    No        0.00     0.00
         0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000    0.000    0.000    10.00
         Baltimore City speED=35
1       1       9      2016      1        7            SO4     0.0002           0.0004           0.0004
          0.0004           0.0004           0.0020           0.0020           0.0020           0.0020
          0.0020           0.0020           0.0020           0.0000           0.0002           0.0002
          0.0005           0.0006           0.0007           0.0007           0.0008           0.0009
          0.0010           0.0011           0.0001           0.0018           0.0015           0.0011
          0.0003           0.0005       1        1         29.8     38.4      6.8      30.      15.    Yes
         35.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=35
1       1       9      2016      9       14          Brake     0.0125           0.0125           0.0125
          0.0125           0.0125           0.0125           0.0125           0.0125           0.0125
          0.0125           0.0125           0.0125           0.0000           0.0125           0.0125
          0.0125           0.0125           0.0125           0.0125           0.0125           0.0125
          0.0125           0.0125           0.0125           0.0125           0.0125           0.0125
          0.0125           0.0125       1        1         29.8     38.4      6.8      30.      15.    Yes
         35.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=35
1       1       9      2016     10       15           Tire     0.0080           0.0080           0.0080
          0.0080           0.0080           0.0080           0.0120           0.0120           0.0120
          0.0120           0.0120           0.0360           0.0000           0.0080           0.0080
          0.0080           0.0120           0.0120           0.0120           0.0120           0.0120
          0.0360           0.0360           0.0040           0.0120           0.0120           0.0120
          0.0080           0.0094       1        1         29.8     38.4      6.8      30.      15.    Yes
         35.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=35
1       1       9      2016      1       12            SO2     0.0067           0.0087           0.0088
          0.0115           0.0115           0.0158           0.0171           0.0172           0.0201
          0.0198           0.0217           0.0229           0.0000           0.0029           0.0043
          0.0073           0.0081           0.0093           0.0096           0.0109           0.0126
          0.0144           0.0151           0.0033           0.0252           0.0218           0.0153
          0.0056           0.0092       1        1         29.8     38.4      6.8      30.      15.    Yes
         35.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=35
1       1       9      2016      1       13            NH3     0.1009           0.1007           0.1017
          0.1017           0.1017           0.0451           0.0451           0.0451           0.0451
          0.0451           0.0451           0.0451           0.0000           0.0068           0.0068
          0.0270           0.0270           0.0270           0.0270           0.0270           0.0270
          0.0270           0.0270           0.0113           0.0451           0.0270           0.0270
          0.0068           0.0922       1        1         29.8     38.4      6.8      30.      15.    Yes
         35.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=35
1       1       9      2016     MPG      0        MPG           24.1             18.5             18.5
             14.2             14.2             10.1              9.4              9.3              8.0
              8.1              7.4              7.1              0.0             32.4             22.1
             13.0             11.7             10.2              9.9              8.7              7.5
              6.6              6.3             50.0              6.4              4.4              6.2
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            17.0            16.1       1       1        29.8    38.4     6.8     30.     15.   Yes
      35.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
     0.000   0.000   0.000   10.00    Baltimore City speED=35
1       1       9     2016    VMT     0       VMT         0.2812          0.1014          0.3373
          0.1035          0.0476          0.0275          0.0010          0.0003          0.0010
          0.0020          0.0008          0.0000          0.0000          0.0000          0.0045
          0.0082          0.0025          0.0027          0.0013          0.0060          0.0087
          0.0103          0.0365          0.0024          0.0003          0.0037          0.0070
          0.0022       1       1       1        29.8    38.4     6.8     30.     15.   Yes      35.0
     No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000   0.000
     0.000   0.000   10.00    Baltimore City speED=35
1       1       9     2016     1       1       VOC         0.230           0.136           0.172
          0.365           0.403           0.205           0.200           0.180           0.197
          0.196           0.211           0.222           0.000           0.072           0.057
          0.104           0.115           0.144           0.158           0.189           0.232
          0.257           0.294           1.908           0.359           0.224           0.341
          0.183           0.227       1       1        29.8    38.4     6.8     30.     15.   Yes
      35.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
     0.000   0.000   0.000   10.00    Baltimore City speED=35
1       1       9     2016     1       2       CO         10.402           8.096           8.575
         11.376          11.641           5.069           6.122           5.975           6.977
          6.907           8.204           8.738           0.000           0.573           0.232
          0.183           0.181           0.276           0.300           0.282           0.349
          0.433           0.550          10.294           9.612           0.994           0.672
          0.375           8.615       1       1        29.8    38.4     6.8     30.     15.   Yes
      35.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
     0.000   0.000   0.000   10.00    Baltimore City speED=35
1       1       9     2016     1       3       NOX         0.260           0.167           0.252
          0.567           0.788           0.825           0.896           0.735           0.854
          0.847           0.937           0.999           0.000           0.090           0.055
          0.705           0.670           1.083           1.177           1.244           1.539
          1.721           2.198           1.954           2.088           4.726           3.475
          0.211           0.476       1       1        29.8    38.4     6.8     30.     15.   Yes
      35.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
     0.000   0.000   0.000   10.00    Baltimore City speED=35
1       1       9     2016     1       4       CO2         368.1           479.3           479.3
          623.8           623.8           875.9           945.0           948.9          1107.4
         1090.0          1190.8          1254.8             0.0           314.1           460.4
          785.5           872.9           998.0          1030.4          1168.5          1351.4
         1544.5          1615.9           177.4          1375.8          2335.7          1646.1
          598.6           568.2       1       1        29.8    38.4     6.8     30.     15.   Yes
      35.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
     0.000   0.000   0.000   10.00    Baltimore City speED=35
1       1       9     2016     3       1       Hot Soak    0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000       1       1        29.8    38.4     6.8     30.     15.   Yes
      35.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
     0.000   0.000   0.000   10.00    Baltimore City speED=35
1       1       9     2016     4       1       Diurnal     0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000       1       1        29.8    38.4     6.8     30.     15.   Yes
      35.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
     0.000   0.000   0.000   10.00    Baltimore City speED=35
1       1       9     2016     5       1       Resting     0.038           0.009           0.009
          0.030           0.030           0.037           0.037           0.038           0.038
          0.038           0.038           0.038           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.022           0.051           0.000           0.000
          0.000           0.020       1       1        29.8    38.4     6.8     30.     15.   Yes
      35.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
     0.000   0.000   0.000   10.00    Baltimore City speED=35
1       1       9     2016     6       1       Running     0.038           0.020           0.020
          0.036           0.036           0.040           0.040           0.034           0.034
          0.034           0.034           0.034           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.071           0.000           0.000
          0.000           0.026       1       1        29.8    38.4     6.8     30.     15.   Yes
      35.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
     0.000   0.000   0.000   10.00    Baltimore City speED=35
1       1       9     2016     7       1       Crankcase           0.008           0.009
0.009         0.010           0.010           0.010           0.010           0.010           0.010
          0.010           0.010           0.010           0.000           0.000           0.000
          0.000           0.000           0.000           0.000           0.000           0.000
          0.000           0.000           0.000           0.009           0.000           0.000
          0.000           0.008       1       1        29.8    38.4     6.8     30.     15.   Yes
```

35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 8 1 Refueling 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 9 2016 11 1 Total Evap 0.083 0.037
0.038 0.075 0.075 0.087 0.087 0.082 0.082
0.082 0.082 0.082 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.130 0.000 0.000
0.000 0.054 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=35
1 1 10 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 40.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 40.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 1 10 GASPM 0.0040 0.0038 0.0038
0.0038 0.0038 0.0166 0.0170 0.0153 0.0167
0.0166 0.0176 0.0183 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0259 NA NA
NA 0.0040 1 1 29.8 38.4 6.8 30. 15. Yes 40.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0151 0.0049
0.0099 0.0079 0.0111 0.0111 0.0202 0.0198 0.0227
0.0340 NA NA 0.0470 0.0704 0.0080 0.0026
1 1 29.8 38.4 6.8 30. 15. Yes 40.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=40
1 1 10 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0043 0.0070
0.0103 0.0082 0.0116 0.0115 0.0158 0.0156 0.0178
0.0107 NA NA 0.0369 0.0553 0.0115 0.0015
1 1 29.8 38.4 6.8 30. 15. Yes 40.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=40
1 1 10 2016 1 7 SO4 0.0002 0.0004 0.0004
0.0004 0.0004 0.0020 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0018 0.0015 0.0011
0.0003 0.0005 1 1 29.8 38.4 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 1 1 29.8 38.4 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 1 1 29.8 38.4 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 1 12 SO2 0.0067 0.0087 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0201
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043

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          0.0073          0.0081          0.0093          0.0096          0.0109          0.0126
          0.0144          0.0151          0.0033          0.0252          0.0218          0.0153
          0.0056          0.0092       1       1        29.8    38.4     6.8     30.     15.   Yes
       40.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=40
1       1      10     2016     1      13           NH3    0.1009          0.1007          0.1017
          0.1017          0.1017          0.0451          0.0451          0.0451          0.0451
          0.0451          0.0451          0.0451          0.0000          0.0068          0.0068
          0.0270          0.0270          0.0270          0.0270          0.0270          0.0270
          0.0270          0.0270          0.0113          0.0451          0.0270          0.0270
          0.0068          0.0922       1       1        29.8    38.4     6.8     30.     15.   Yes
       40.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=40
1       1      10     2016    MPG     0        MPG          24.1            18.5            18.5
            14.2            14.2            10.1             9.4             9.3             8.0
             8.1             7.4             7.1             0.0            32.4            22.1
            13.0            11.7            10.2             9.9             8.7             7.5
             6.6             6.3            50.0             6.4             4.4             6.2
            17.0            16.1       1       1        29.8    38.4     6.8     30.     15.   Yes
       40.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=40
1       1      10     2016    VMT     0        VMT          0.2812          0.1014          0.3373
          0.1035          0.0476          0.0275          0.0010          0.0003          0.0010
          0.0020          0.0008          0.0000          0.0000          0.0000          0.0045
          0.0082          0.0025          0.0027          0.0013          0.0060          0.0087
          0.0103          0.0365          0.0024          0.0003          0.0037          0.0070
          0.0022       1       1       1        29.8    38.4     6.8     30.     15.   Yes      40.0
      No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   10.00    Baltimore City speED=40
1       1      10     2016     1       1        VOC          0.226           0.134           0.171
           0.360           0.397           0.181           0.177           0.160           0.174
           0.174           0.186           0.195           0.000           0.068           0.052
           0.093           0.103           0.129           0.142           0.169           0.208
           0.230           0.264           1.810           0.314           0.201           0.305
           0.171           0.221       1       1        29.8    38.4     6.8     30.     15.   Yes
       40.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=40
1       1      10     2016     1       2        CO          10.679           8.352           8.848
          11.757          12.028           4.691           5.666           5.530           6.457
           6.392           7.592           8.087           0.000           0.543           0.218
           0.165           0.164           0.250           0.272           0.255           0.316
           0.392           0.498           9.457           8.895           0.901           0.609
           0.354           8.850       1       1        29.8    38.4     6.8     30.     15.   Yes
       40.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=40
1       1      10     2016     1       3        NOX          0.265           0.171           0.256
           0.574           0.794           0.857           0.931           0.763           0.887
           0.880           0.973           1.038           0.000           0.093           0.056
           0.724           0.688           1.112           1.208           1.277           1.580
           1.764           2.252           2.003           2.169           4.854           3.569
           0.216           0.487       1       1        29.8    38.4     6.8     30.     15.   Yes
       40.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=40
1       1      10     2016     1       4        CO2          368.1           479.3           479.3
           623.8           623.8           875.9           945.0           948.9          1107.4
          1090.0          1190.8          1254.8             0.0           314.1           460.4
           785.5           872.9           998.0          1030.4          1168.5          1351.4
          1544.5          1615.9           177.4          1375.8          2335.7          1646.1
           598.6           568.2       1       1        29.8    38.4     6.8     30.     15.   Yes
       40.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=40
1       1      10     2016     3       1       Hot Soak      0.000           0.000           0.000
           0.000           0.000           0.000           0.000           0.000           0.000
           0.000           0.000           0.000           0.000           0.000           0.000
           0.000           0.000           0.000           0.000           0.000           0.000
           0.000           0.000           0.000           0.000           0.000           0.000
           0.000           0.000       1       1        29.8    38.4     6.8     30.     15.   Yes
       40.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=40
1       1      10     2016     4       1       Diurnal       0.000           0.000           0.000
           0.000           0.000           0.000           0.000           0.000           0.000
           0.000           0.000           0.000           0.000           0.000           0.000
           0.000           0.000           0.000           0.000           0.000           0.000
           0.000           0.000           0.000           0.000           0.000           0.000
           0.000           0.000       1       1        29.8    38.4     6.8     30.     15.   Yes
       40.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
      0.000   0.000   0.000   10.00    Baltimore City speED=40
1       1      10     2016     5       1       Resting       0.038           0.009           0.009
           0.030           0.030           0.037           0.037           0.038           0.038
           0.038           0.038           0.038           0.000           0.000           0.000
           0.000           0.000           0.000           0.000           0.000           0.000
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0.000 0.000 0.022 0.051 0.000 0.000
0.000 0.020 1 1 29.8 38.4 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 6 1 Running 0.033 0.017 0.017
0.031 0.031 0.035 0.035 0.030 0.030
0.030 0.030 0.030 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.062 0.000 0.000
0.000 0.023 1 1 29.8 38.4 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 7 1 Crankcase 0.008 0.009
0.009 0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 8 1 Refueling 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=40
1 1 10 2016 11 1 Total Evap 0.078 0.035
0.035 0.071 0.071 0.082 0.082 0.078 0.078
0.078 0.078 0.078 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.121 0.000 0.000
0.000 0.051 1 1 29.8 38.4 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=40
1 1 11 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 45.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=45.
1 1 11 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 45.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=45.
1 1 11 2016 1 10 GASPM 0.0040 0.0038 0.0038
0.0038 0.0038 0.0166 0.0170 0.0153 0.0167
0.0166 0.0176 0.0183 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0259 NA NA
NA 0.0040 1 1 29.8 38.4 6.8 30. 15. Yes 45.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=45.
1 1 11 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0151 0.0049
0.0099 0.0079 0.0111 0.0111 0.0202 0.0198 0.0227
0.0340 NA NA 0.0470 0.0704 0.0080 0.0026
1 1 29.8 38.4 6.8 30. 15. Yes 45.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=45.
1 1 11 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0043 0.0070
0.0103 0.0082 0.0116 0.0115 0.0158 0.0156 0.0178
0.0107 NA NA 0.0369 0.0553 0.0115 0.0015
1 1 29.8 38.4 6.8 30. 15. Yes 45.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=45.
1 1 11 2016 1 7 SO4 0.0002 0.0004 0.0004
0.0004 0.0004 0.0020 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0018 0.0015 0.0011
0.0003 0.0005 1 1 29.8 38.4 6.8 30. 15. Yes
45.0 No 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=45.

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1       1       11      2016     9       14          Brake     0.0125           0.0125           0.0125
          0.0125           0.0125           0.0125           0.0125           0.0125           0.0125
          0.0125           0.0125           0.0125           0.0000           0.0125           0.0125
          0.0125           0.0125           0.0125           0.0125           0.0125           0.0125
          0.0125           0.0125           0.0125           0.0125           0.0125           0.0125
          0.0125           0.0125       1        1         29.8     38.4      6.8      30.      15.    Yes
       45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=45.
1       1       11      2016    10       15           Tire     0.0080           0.0080           0.0080
          0.0080           0.0080           0.0080           0.0120           0.0120           0.0120
          0.0120           0.0120           0.0360           0.0000           0.0080           0.0080
          0.0080           0.0120           0.0120           0.0120           0.0120           0.0120
          0.0360           0.0360           0.0040           0.0120           0.0120           0.0120
          0.0080           0.0094       1        1         29.8     38.4      6.8      30.      15.    Yes
       45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=45.
1       1       11      2016     1       12            SO2     0.0067           0.0087           0.0088
          0.0115           0.0115           0.0158           0.0171           0.0172           0.0201
          0.0198           0.0217           0.0229           0.0000           0.0029           0.0043
          0.0073           0.0081           0.0093           0.0096           0.0109           0.0126
          0.0144           0.0151           0.0033           0.0252           0.0218           0.0153
          0.0056           0.0092       1        1         29.8     38.4      6.8      30.      15.    Yes
       45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=45.
1       1       11      2016     1       13            NH3     0.1009           0.1007           0.1017
          0.1017           0.1017           0.0451           0.0451           0.0451           0.0451
          0.0451           0.0451           0.0451           0.0000           0.0068           0.0068
          0.0270           0.0270           0.0270           0.0270           0.0270           0.0270
          0.0270           0.0270           0.0113           0.0451           0.0270           0.0270
          0.0068           0.0922       1        1         29.8     38.4      6.8      30.      15.    Yes
       45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=45.
1       1       11      2016    MPG      0        MPG           24.1             18.5             18.5
            14.2             14.2             10.1              9.4              9.3              8.0
             8.1              7.4              7.1              0.0             32.4             22.1
            13.0             11.7             10.2              9.9              8.7              7.5
             6.6              6.3             50.0              6.4              4.4              6.2
            17.0             16.1       1        1         29.8     38.4      6.8      30.      15.    Yes
       45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=45.
1       1       11      2016    VMT      0        VMT          0.2812           0.1014           0.3373
          0.1035           0.0476           0.0275           0.0010           0.0003           0.0010
          0.0020           0.0008           0.0000           0.0000           0.0000           0.0045
          0.0082           0.0025           0.0027           0.0013           0.0060           0.0087
          0.0103           0.0365           0.0024           0.0003           0.0037           0.0070
          0.0022       1        1        1         29.8     38.4      6.8      30.      15.    Yes      45.0
      No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    10.00     Baltimore City speED=45.
1       1       11      2016     1        1        VOC          0.223            0.133            0.171
          0.356            0.392            0.165            0.161            0.146            0.159
          0.158            0.169            0.177            0.000            0.064            0.049
          0.086            0.094            0.118            0.130            0.155            0.191
          0.211            0.241            1.754            0.283            0.184            0.279
          0.162            0.217       1        1         29.8     38.4      6.8      30.      15.    Yes
       45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=45.
1       1       11      2016     1        2         CO         10.957            8.608            9.122
         12.139           12.416            4.587            5.540            5.407            6.313
          6.249            7.423            7.907            0.000            0.528            0.211
          0.157            0.155            0.237            0.258            0.242            0.299
          0.372            0.473            8.929            8.697            0.854            0.577
          0.344            9.097       1        1         29.8     38.4      6.8      30.      15.    Yes
       45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=45.
1       1       11      2016     1        3        NOX          0.272            0.176            0.262
          0.584            0.803            0.889            0.965            0.792            0.920
          0.913            1.010            1.077            0.000            0.098            0.059
          0.770            0.732            1.183            1.285            1.358            1.681
          1.871            2.386            2.040            2.250            5.169            3.800
          0.229            0.505       1        1         29.8     38.4      6.8      30.      15.    Yes
       45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=45.
1       1       11      2016     1        4        CO2          368.1            479.3            479.3
          623.8            623.8            875.9            945.0            948.9           1107.4
         1090.0           1190.8           1254.8              0.0            314.1            460.4
          785.5            872.9            998.0           1030.4           1168.5           1351.4
         1544.5           1615.9            177.4           1375.8           2335.7           1646.1
          598.6            568.2       1        1         29.8     38.4      6.8      30.      15.    Yes
       45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=45.
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  1        1       11      2016      3        1       Hot Soak      0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000        1        1         29.8     38.4      6.8      30.      15.   Yes
          45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    0.000    10.00     Baltimore City speED=45.
  1        1       11      2016      4        1       Diurnal       0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000        1        1         29.8     38.4      6.8      30.      15.   Yes
          45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    0.000    10.00     Baltimore City speED=45.
  1        1       11      2016      5        1       Resting       0.038            0.009            0.009
             0.030            0.030            0.037            0.037            0.038            0.038
             0.038            0.038            0.038            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.022            0.051            0.000            0.000
             0.000            0.020        1        1         29.8     38.4      6.8      30.      15.   Yes
          45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    0.000    10.00     Baltimore City speED=45.
  1        1       11      2016      6        1       Running       0.029            0.015            0.016
             0.028            0.028            0.031            0.031            0.026            0.026
             0.026            0.026            0.026            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.055            0.000            0.000
             0.000            0.020        1        1         29.8     38.4      6.8      30.      15.   Yes
          45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    0.000    10.00     Baltimore City speED=45.
  1        1       11      2016      7        1       Crankcase             0.008            0.009
0.009        0.010            0.010            0.010            0.010            0.010            0.010
             0.010            0.010            0.010            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.009            0.000            0.000
             0.000            0.008        1        1         29.8     38.4      6.8      30.      15.   Yes
          45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    0.000    10.00     Baltimore City speED=45.
  1        1       11      2016      8        1       Refueling             0.000            0.000
0.000        0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.000        NA               NA
         NA               NA               NA               NA               NA               NA
         NA               NA               0.000            0.000        NA               NA
         NA               NA               1        1         29.8     38.4      6.8      30.      15.   Yes
          45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    0.000    10.00     Baltimore City speED=45.
  1        1       11      2016     11        1       Total Evap            0.075            0.033
0.033        0.068            0.068            0.078            0.078            0.074            0.074
             0.074            0.074            0.074            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.022            0.114            0.000            0.000
             0.000            0.048        1        1         29.8     38.4      6.8      30.      15.   Yes
          45.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    0.000    10.00     Baltimore City speED=45.
  1        1       12      2016     VMT      0        VMT          0.2812           0.1014           0.3373
            0.1035           0.0476           0.0275           0.0010           0.0003           0.0010
            0.0020           0.0008           0.0000           0.0000           0.0000           0.0045
            0.0082           0.0025           0.0027           0.0013           0.0060           0.0087
            0.0103           0.0365           0.0024           0.0003           0.0037           0.0070
            0.0022        1        1        1         29.8     38.4      6.8      30.      15.   Yes      50.0
         No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    10.00     Baltimore City speED=50
  1        1       12      2016      1       11           Lead     0.0000           0.0000           0.0000
            0.0000           0.0000           0.0000           0.0000           0.0000           0.0000
            0.0000           0.0000           0.0000           0.0000        NA       NA       NA       NA
         NA       NA       NA       NA       NA       NA           0.0000           0.0000       NA       NA
         NA           0.0000       1        1         29.8     38.4      6.8      30.      15.   Yes      50.0
         No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    10.00     Baltimore City speED=50
  1        1       12      2016      1       10           GASPM    0.0040           0.0038           0.0038
            0.0038           0.0038           0.0166           0.0170           0.0153           0.0167
            0.0166           0.0176           0.0183           0.0000        NA       NA       NA       NA
         NA       NA       NA       NA       NA       NA           0.0205           0.0259       NA       NA
         NA           0.0040       1        1         29.8     38.4      6.8      30.      15.   Yes      50.0
         No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    10.00     Baltimore City speED=50
  1        1       12      2016      1        9        ECARBON NA       NA       NA       NA       NA       NA
         NA       NA       NA       NA       NA       NA       NA           0.0151           0.0049
0.0099       0.0079           0.0111           0.0111           0.0202           0.0198           0.0227
```

0.0340 NA NA 0.0470 0.0704 0.0080 0.0026
1 1 29.8 38.4 6.8 30. 15. Yes 50.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=50
1 1 12 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0043 0.0070
0.0103 0.0082 0.0116 0.0115 0.0158 0.0156 0.0178
0.0107 NA NA 0.0369 0.0553 0.0115 0.0015
1 1 29.8 38.4 6.8 30. 15. Yes 50.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=50
1 1 12 2016 1 7 SO4 0.0002 0.0004 0.0004
0.0004 0.0004 0.0020 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0018 0.0015 0.0011
0.0003 0.0005 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=50
1 1 12 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=50
1 1 12 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=50
1 1 12 2016 1 12 SO2 0.0067 0.0087 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0201
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0218 0.0153
0.0056 0.0092 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=50
1 1 12 2016 1 13 NH3 0.1009 0.1007 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0922 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=50
1 1 12 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=50
1 1 12 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 50.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=50
1 1 12 2016 1 1 VOC 0.220 0.132 0.171
0.351 0.386 0.153 0.149 0.136 0.148
0.147 0.157 0.165 0.000 0.062 0.047
0.080 0.088 0.110 0.122 0.145 0.179
0.197 0.226 1.736 0.261 0.172 0.261
0.156 0.214 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=50
1 1 12 2016 1 2 CO 11.234 8.864 9.396
12.521 12.804 4.739 5.723 5.585 6.522
6.456 7.669 8.168 0.000 0.526 0.210
0.156 0.154 0.235 0.256 0.240 0.297
0.369 0.469 8.713 8.984 0.847 0.573
0.343 9.356 1 1 29.8 38.4 6.8 30. 15. Yes

```
         50.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=50
  1       1       12      2016      1        3        NOX          0.279            0.181            0.268
            0.593            0.812            0.921            1.000            0.820            0.953
            0.946            1.046            1.116            0.000            0.108            0.065
            0.849            0.807            1.304            1.416            1.497            1.853
            2.053            2.613            2.156            2.331            5.707            4.194
            0.252            0.531        1        1         29.8     38.4      6.8      30.      15.    Yes
         50.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=50
  1       1       12      2016      1        4        CO2          368.1            479.3            479.3
            623.8            623.8            875.9            945.0            948.9           1107.4
           1090.0           1190.8           1254.8              0.0            314.1            460.4
            785.5            872.9            998.0           1030.4           1168.5           1351.4
           1544.5           1615.9            177.4           1375.8           2335.7           1646.1
            598.6            568.2        1        1         29.8     38.4      6.8      30.      15.    Yes
         50.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=50
  1       1       12      2016      3        1       Hot Soak      0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000        1        1         29.8     38.4      6.8      30.      15.    Yes
         50.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=50
  1       1       12      2016      4        1       Diurnal       0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000        1        1         29.8     38.4      6.8      30.      15.    Yes
         50.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=50
  1       1       12      2016      5        1       Resting       0.038            0.009            0.009
            0.030            0.030            0.037            0.037            0.038            0.038
            0.038            0.038            0.038            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.022            0.051            0.000            0.000
            0.000            0.020        1        1         29.8     38.4      6.8      30.      15.    Yes
         50.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=50
  1       1       12      2016      6        1       Running       0.025            0.013            0.013
            0.024            0.024            0.027            0.027            0.023            0.023
            0.023            0.023            0.023            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.047            0.000            0.000
            0.000            0.017        1        1         29.8     38.4      6.8      30.      15.    Yes
         50.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=50
  1       1       12      2016      7        1       Crankcase             0.008            0.009
0.009       0.010            0.010            0.010            0.010            0.010            0.010
            0.010            0.010            0.010            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.009            0.000            0.000
            0.000            0.008        1        1         29.8     38.4      6.8      30.      15.    Yes
         50.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=50
  1       1       12      2016      8        1       Refueling             0.000            0.000
0.000       0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000       NA               NA
        NA               NA               NA               NA               NA               NA
        NA               NA               0.000            0.000       NA               NA
        NA               NA               1        1         29.8     38.4      6.8      30.      15.    Yes
         50.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=50
  1       1       12      2016     11        1       Total Evap            0.071            0.031
0.031       0.064            0.064            0.074            0.074            0.071            0.071
            0.071            0.071            0.071            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.022            0.107            0.000            0.000
            0.000            0.046        1        1         29.8     38.4      6.8      30.      15.    Yes
         50.0    No       0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
        0.000    0.000    0.000    10.00     Baltimore City speED=50
  1       1       13      2016     VMT       0        VMT          0.2812           0.1014           0.3373
           0.1035           0.0476           0.0275           0.0010           0.0003           0.0010
           0.0020           0.0008           0.0000           0.0000           0.0000           0.0045
           0.0082           0.0025           0.0027           0.0013           0.0060           0.0087
           0.0103           0.0365           0.0024           0.0003           0.0037           0.0070
           0.0022       1        1        1         29.8     38.4      6.8      30.      15.    Yes       55.0
```

No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 55.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 1 10 GASPM 0.0040 0.0038 0.0038
0.0038 0.0038 0.0166 0.0170 0.0153 0.0167
0.0166 0.0176 0.0183 0.0000 NA NA NA NA
NA NA NA NA NA 0.0205 0.0259 NA NA
NA 0.0040 1 1 29.8 38.4 6.8 30. 15. Yes 55.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0151 0.0049
0.0099 0.0079 0.0111 0.0111 0.0202 0.0198 0.0227
0.0340 NA NA 0.0470 0.0704 0.0080 0.0026
1 1 29.8 38.4 6.8 30. 15. Yes 55.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=55
1 1 13 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0043 0.0070
0.0103 0.0082 0.0116 0.0115 0.0158 0.0156 0.0178
0.0107 NA NA 0.0369 0.0553 0.0115 0.0015
1 1 29.8 38.4 6.8 30. 15. Yes 55.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=55
1 1 13 2016 1 7 SO4 0.0002 0.0004 0.0004
0.0004 0.0004 0.0020 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0018 0.0015 0.0011
0.0003 0.0005 1 1 29.8 38.4 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 1 1 29.8 38.4 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 1 1 29.8 38.4 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 1 12 SO2 0.0067 0.0087 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0201
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0218 0.0153
0.0056 0.0092 1 1 29.8 38.4 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 1 13 NH3 0.1009 0.1007 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0922 1 1 29.8 38.4 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045

```
            0.0082          0.0025          0.0027          0.0013          0.0060          0.0087
            0.0103          0.0365          0.0024          0.0003          0.0037          0.0070
            0.0022       1       1       1        29.8    38.4     6.8     30.     15.   Yes      55.0
        No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000   0.000
        0.000   0.000   10.00    Baltimore City speED=55
  1       1      13     2016     1       1       VOC         0.216           0.131           0.170
            0.347           0.381           0.144           0.141           0.129           0.140
            0.140           0.149           0.156           0.000           0.061           0.046
            0.077           0.084           0.106           0.116           0.139           0.171
            0.189           0.216           1.736           0.245           0.165           0.250
            0.152           0.211       1       1        29.8    38.4     6.8     30.     15.   Yes
         55.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
        0.000   0.000   10.00    Baltimore City speED=55
  1       1      13     2016     1       2       CO         11.512           9.120           9.670
           12.902          13.191           5.172           6.246           6.096           7.118
            7.046           8.370           8.915           0.000           0.536           0.215
            0.162           0.160           0.244           0.266           0.249           0.309
            0.383           0.487           8.713           9.806           0.880           0.595
            0.350           9.627       1       1        29.8    38.4     6.8     30.     15.   Yes
         55.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
        0.000   0.000   10.00    Baltimore City speED=55
  1       1      13     2016     1       3       NOX         0.286           0.186           0.274
            0.604           0.822           0.953           1.035           0.849           0.986
            0.979           1.083           1.155           0.000           0.122           0.074
            0.969           0.921           1.489           1.617           1.710           2.116
            2.332           2.961           2.380           2.412           6.530           4.797
            0.286           0.567       1       1        29.8    38.4     6.8     30.     15.   Yes
         55.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
        0.000   0.000   10.00    Baltimore City speED=55
  1       1      13     2016     1       4       CO2         368.1           479.3           479.3
            623.8           623.8           875.9           945.0           948.9          1107.4
           1090.0          1190.8          1254.8             0.0           314.1           460.4
            785.5           872.9           998.0          1030.4          1168.5          1351.4
           1544.5          1615.9           177.4          1375.8          2335.7          1646.1
            598.6           568.2       1       1        29.8    38.4     6.8     30.     15.   Yes
         55.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
        0.000   0.000   10.00    Baltimore City speED=55
  1       1      13     2016     3       1       Hot Soak    0.000           0.000           0.000
            0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000       1       1        29.8    38.4     6.8     30.     15.   Yes
         55.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
        0.000   0.000   10.00    Baltimore City speED=55
  1       1      13     2016     4       1       Diurnal     0.000           0.000           0.000
            0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000       1       1        29.8    38.4     6.8     30.     15.   Yes
         55.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
        0.000   0.000   10.00    Baltimore City speED=55
  1       1      13     2016     5       1       Resting     0.038           0.009           0.009
            0.030           0.030           0.037           0.037           0.038           0.038
            0.038           0.038           0.038           0.000           0.000           0.000
            0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000           0.022           0.051           0.000           0.000
            0.000           0.020       1       1        29.8    38.4     6.8     30.     15.   Yes
         55.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
        0.000   0.000   10.00    Baltimore City speED=55
  1       1      13     2016     6       1       Running     0.021           0.011           0.011
            0.020           0.020           0.022           0.022           0.019           0.019
            0.019           0.019           0.019           0.000           0.000           0.000
            0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000           0.000           0.039           0.000           0.000
            0.000           0.014       1       1        29.8    38.4     6.8     30.     15.   Yes
         55.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
        0.000   0.000   10.00    Baltimore City speED=55
  1       1      13     2016     7       1       Crankcase           0.008           0.009
0.009           0.010           0.010           0.010           0.010           0.010           0.010
            0.010           0.010           0.010           0.000           0.000           0.000
            0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000           0.000           0.009           0.000           0.000
            0.000           0.008       1       1        29.8    38.4     6.8     30.     15.   Yes
         55.0   No       0.00    0.00    0.00    0.00    0.00   0.000   0.000   0.000   0.000   0.000
        0.000   0.000   10.00    Baltimore City speED=55
  1       1      13     2016     8       1       Refueling           0.000           0.000
0.000           0.000           0.000           0.000           0.000           0.000           0.000
            0.000           0.000           0.000           0.000       NA              NA
        NA              NA              NA              NA              NA              NA
```

NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=55
1 1 13 2016 11 1 Total Evap 0.066 0.029
0.029 0.060 0.060 0.069 0.069 0.067 0.067
0.067 0.067 0.067 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.099 0.000 0.000
0.000 0.043 1 1 29.8 38.4 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=55
1 1 14 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 60.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=60
1 1 14 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 60.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=60
1 1 14 2016 1 10 GASPM 0.0040 0.0038 0.0038
0.0038 0.0038 0.0166 0.0170 0.0153 0.0167
0.0166 0.0176 0.0183 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0205 0.0259 NA NA
NA 0.0040 1 1 29.8 38.4 6.8 30. 15. Yes 60.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 10.00 Baltimore City speED=60
1 1 14 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0151 0.0049
0.0099 0.0079 0.0111 0.0111 0.0202 0.0198 0.0227
0.0340 NA NA 0.0470 0.0704 0.0080 0.0026
1 1 29.8 38.4 6.8 30. 15. Yes 60.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=60
1 1 14 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0043 0.0070
0.0103 0.0082 0.0116 0.0115 0.0158 0.0156 0.0178
0.0107 NA NA 0.0369 0.0553 0.0115 0.0015
1 1 29.8 38.4 6.8 30. 15. Yes 60.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.00
Baltimore City speED=60
1 1 14 2016 1 7 SO4 0.0002 0.0004 0.0004
0.0004 0.0004 0.0020 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0018 0.0015 0.0011
0.0003 0.0005 1 1 29.8 38.4 6.8 30. 15. Yes
60.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=60
1 1 14 2016 9 14 Brake 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0000 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 0.0125 0.0125 0.0125 0.0125
0.0125 0.0125 1 1 29.8 38.4 6.8 30. 15. Yes
60.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=60
1 1 14 2016 10 15 Tire 0.0080 0.0080 0.0080
0.0080 0.0080 0.0080 0.0120 0.0120 0.0120
0.0120 0.0120 0.0360 0.0000 0.0080 0.0080
0.0080 0.0120 0.0120 0.0120 0.0120 0.0120
0.0360 0.0360 0.0040 0.0120 0.0120 0.0120
0.0080 0.0094 1 1 29.8 38.4 6.8 30. 15. Yes
60.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=60
1 1 14 2016 1 12 SO2 0.0067 0.0087 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0201
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0218 0.0153
0.0056 0.0092 1 1 29.8 38.4 6.8 30. 15. Yes
60.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.00 Baltimore City speED=60

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1       1       14      2016     1       13            NH3     0.1009           0.1007           0.1017
          0.1017           0.1017           0.0451           0.0451           0.0451           0.0451
          0.0451           0.0451           0.0451           0.0000           0.0068           0.0068
          0.0270           0.0270           0.0270           0.0270           0.0270           0.0270
          0.0270           0.0270           0.0113           0.0451           0.0270           0.0270
          0.0068           0.0922       1        1         29.8     38.4      6.8      30.      15.   Yes
       60.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=60
1       1       14      2016    MPG      0        MPG           24.1             18.5             18.5
            14.2             14.2             10.1              9.4              9.3              8.0
             8.1              7.4              7.1              0.0             32.4             22.1
            13.0             11.7             10.2              9.9              8.7              7.5
             6.6              6.3             50.0              6.4              4.4              6.2
            17.0             16.1       1        1         29.8     38.4      6.8      30.      15.   Yes
       60.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=60
1       1       14      2016    VMT      0        VMT          0.2812           0.1014           0.3373
          0.1035           0.0476           0.0275           0.0010           0.0003           0.0010
          0.0020           0.0008           0.0000           0.0000           0.0000           0.0045
          0.0082           0.0025           0.0027           0.0013           0.0060           0.0087
          0.0103           0.0365           0.0024           0.0003           0.0037           0.0070
          0.0022       1        1        1         29.8     38.4      6.8      30.      15.   Yes      60.0
      No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    10.00     Baltimore City speED=60
1       1       14      2016     1       1        VOC          0.214            0.130            0.170
            0.343            0.376            0.140            0.137            0.126            0.137
            0.136            0.146            0.153            0.000            0.060            0.045
            0.075            0.083            0.103            0.114            0.136            0.167
            0.185            0.212            2.072            0.238            0.161            0.245
            0.150            0.210       1        1         29.8     38.4      6.8      30.      15.   Yes
       60.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=60
1       1       14      2016     1       2        CO          11.789            9.376            9.943
           13.284           13.579            5.964            7.202            7.030            8.208
            8.125            9.652           10.280            0.000            0.561            0.226
            0.176            0.174            0.266            0.289            0.271            0.335
            0.417            0.529           14.049           11.307            0.956            0.646
            0.366            9.925       1        1         29.8     38.4      6.8      30.      15.   Yes
       60.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=60
1       1       14      2016     1       3        NOX          0.294            0.191            0.280
            0.614            0.833            0.985            1.070            0.878            1.020
            1.012            1.119            1.194            0.000            0.144            0.087
            1.147            1.090            1.761            1.913            2.024            2.505
            2.744            3.474            2.603            2.493            7.744            5.687
            0.336            0.617       1        1         29.8     38.4      6.8      30.      15.   Yes
       60.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=60
1       1       14      2016     1       4        CO2          368.1            479.3            479.3
            623.8            623.8            875.9            945.0            948.9           1107.4
           1090.0           1190.8           1254.8              0.0            314.1            460.4
            785.5            872.9            998.0           1030.4           1168.5           1351.4
           1544.5           1615.9            177.4           1375.8           2335.7           1646.1
            598.6            568.2       1        1         29.8     38.4      6.8      30.      15.   Yes
       60.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=60
1       1       14      2016     3       1       Hot Soak      0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000       1        1         29.8     38.4      6.8      30.      15.   Yes
       60.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=60
1       1       14      2016     4       1       Diurnal       0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000       1        1         29.8     38.4      6.8      30.      15.   Yes
       60.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=60
1       1       14      2016     5       1       Resting       0.038            0.009            0.009
            0.030            0.030            0.037            0.037            0.038            0.038
            0.038            0.038            0.038            0.000            0.000            0.000
            0.000            0.000            0.000            0.000            0.000            0.000
            0.000            0.000            0.022            0.051            0.000            0.000
            0.000            0.020       1        1         29.8     38.4      6.8      30.      15.   Yes
       60.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
      0.000    0.000    0.000    10.00     Baltimore City speED=60
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  1       1       14      2016      6        1       Running       0.018            0.009            0.009
             0.017            0.017            0.019            0.019            0.016            0.016
             0.016            0.016            0.016            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.033            0.000            0.000
             0.000            0.012        1        1         29.8     38.4      6.8      30.      15.   Yes
          60.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    0.000    10.00     Baltimore City speED=60
  1       1       14      2016      7        1       Crankcase             0.008            0.009
0.009        0.010            0.010            0.010            0.010            0.010            0.010
             0.010            0.010            0.010            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.009            0.000            0.000
             0.000            0.008        1        1         29.8     38.4      6.8      30.      15.   Yes
          60.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    0.000    10.00     Baltimore City speED=60
  1       1       14      2016      8        1       Refueling             0.000            0.000
0.000        0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.000            0.000       NA               NA
         NA               NA               NA               NA               NA               NA
         NA               NA                    0.000            0.000       NA               NA
         NA               NA               1        1         29.8     38.4      6.8      30.      15.   Yes
          60.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    0.000    10.00     Baltimore City speED=60
  1       1       14      2016     11        1       Total Evap            0.063            0.027
0.027        0.056            0.056            0.066            0.066            0.064            0.064
             0.064            0.064            0.064            0.000            0.000            0.000
             0.000            0.000            0.000            0.000            0.000            0.000
             0.000            0.000            0.022            0.092            0.000            0.000
             0.000            0.040        1        1         29.8     38.4      6.8      30.      15.   Yes
          60.0    No        0.00     0.00     0.00     0.00     0.00    0.000    0.000    0.000    0.000    0.000
         0.000    0.000    0.000    10.00     Baltimore City speED=60
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*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: CON16W25.INP (file 1, run 1).                             *
*************************************************************************
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


* Reading I/M program description records from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2015\IM2015.D
*IM Program.  Idle, IM240, and OBD.
*Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

* Reading non-default I/M CUTPOINTS from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2015\CUTPNT15.D
* CY 15
* CUTPOINTS 75% TO FINAL FOR 1994 AND 1995. IMPLEMENTED MAY 2005.

  Reading User Supplied Tier2 Exhaust bin phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIExh.S11


  Reading User Supplied Tier2 EVAP phase-in fractions

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIEvp.S11


  Reading User Supplied Tier2 50K certification standards

     Data read from file: C:\mobile62\Mobile6\Run\Balt\LevIIStd.d


* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11

* Reading Registration Distributions from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\REGDAT05.BAL
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M 49 Warning:
                1.00     MYR sum not = 1. (will normalize)
  M614 Comment:
               User supplied diesel sale fractions.

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=2.5
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  2.5
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
```

```
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
 HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

* Reading Ammonia (NH3) Basic Emissiion Rates
* from the external data file PMNH3BER.D

* Reading Ammonia (NH3) Sulfur Deterioration Rates
* from the external data file PMNH3SDR.D

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  29.8 (F)
             Maximum Temperature:  38.4 (F)
               Minimum Rel. Hum.:  58.2 (%)
               Maximum Rel. Hum.:  74.9 (%)
             Barometric Pressure: 29.80 (inches Hg)
                Nominal Fuel RVP:   6.8 psi
                   Weathered RVP:   6.8 psi
             Fuel Sulfur Content:   30. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  No

             User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      1.956     1.198     2.422     1.512     2.640    0.182     0.261     0.864
9.39     1.628
     Composite CO  :     20.69     17.25     25.21     19.29     34.12     2.078     1.086     2.698
86.37    18.763
     Composite NOX :      0.500     0.450     1.168     0.634     0.630    0.176     0.208     3.905
1.79     0.880
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     1.117     1.223     2.382     2.507     0.155     0.475
     Composite CO  :    16.61     17.44     25.07     25.52      0.927     1.405
     Composite NOX :     0.331     0.486     1.052     1.418     0.107     0.412
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
```

```
-----------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     2.654     2.610     2.231     2.378     2.372     2.498     2.590     0.000
     Composite CO  :    32.06     38.72     37.79     44.13     43.68     51.88     55.26      0.00
     Composite NOX :     0.617     0.669     0.549     0.638     0.633     0.700     0.747     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
-----------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.365     0.401     0.502     0.553     0.659     0.812     0.898     1.028
     Composite CO  :     1.052     1.041     1.591     1.728     1.623     2.008     2.494     3.169
     Composite NOX :     1.413     1.343     2.170     2.357     2.494     3.086     3.360     4.242
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  5.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  Jan.
```

```
                    Altitude:  Low
         Minimum Temperature:  29.8 (F)
         Maximum Temperature:  38.4 (F)
           Minimum Rel. Hum.:  58.2 (%)
           Maximum Rel. Hum.:  74.9 (%)
         Barometric Pressure: 29.80 (inches Hg)
            Nominal Fuel RVP:   6.8 psi
               Weathered RVP:   6.8 psi
         Fuel Sulfur Content:   30. ppm

         Exhaust I/M Program:  Yes
            Evap I/M Program:  Yes
                 ATP Program:  Yes
            Reformulated Gas:  No

         User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.711     0.481     1.048     0.627     1.247    0.164     0.233     0.759
6.15     0.693
     Composite CO  :     14.66     12.19     17.27     13.49     27.27     1.743     0.906     2.202
51.57    13.299
     Composite NOX :      0.444     0.397     1.024     0.558     0.646    0.158     0.188     3.516
1.68     0.786
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.426     0.498     1.021     1.106     0.138     0.425
     Composite CO  :    11.74     12.33     17.16     17.50     0.772     1.176
     Composite NOX :     0.293     0.429     0.925     1.241     0.097     0.371
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     1.247     1.211     1.049     1.166     1.161     1.261     1.335     0.000
     Composite CO  :    25.62     30.94     30.19     35.26     34.90     41.46     44.15     0.00
     Composite NOX :     0.633     0.687     0.563     0.655     0.649     0.718     0.766     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.320     0.353     0.441     0.486     0.580     0.714     0.789     0.904
     Composite CO  :     0.858     0.850     1.299     1.411     1.325     1.639     2.036     2.587
     Composite NOX :     1.270     1.207     1.950     2.118     2.242     2.773     3.028     3.829
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
```

```
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of  5.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.711     0.481     1.048     0.627     1.247    0.164     0.233     0.759
6.15     0.693
     Composite CO  :     14.66     12.19     17.27     13.49     27.27     1.743     0.906     2.202
51.57    13.299
     Composite NOX :      0.444     0.397     1.024     0.558     0.646    0.158     0.188     3.516
1.68     0.786
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.426     0.498     1.021     1.106     0.138     0.425
     Composite CO  :    11.74     12.33     17.16     17.50      0.772     1.176
     Composite NOX :     0.293     0.429     0.925     1.241     0.097     0.371
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     1.247     1.211     1.049     1.166     1.161     1.261     1.335     0.000
     Composite CO  :    25.62     30.94     30.19     35.26     34.90     41.46     44.15      0.00
     Composite NOX :     0.633     0.687     0.563     0.655     0.649     0.718     0.766     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.320     0.353     0.441     0.486     0.580     0.714     0.789     0.904
     Composite CO  :     0.858     0.850     1.299     1.411     1.325     1.639     2.036     2.587
     Composite NOX :     1.270     1.207     1.950     2.118     2.242     2.773     3.028     3.829
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=10.0
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 10.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.392     0.278     0.629     0.368     0.713    0.135     0.190     0.596
3.69     0.413
     Composite CO  :     11.88      9.79     13.51     10.75     18.14     1.282     0.659     1.518
27.00    10.476
     Composite NOX :      0.365     0.326     0.854     0.461     0.679    0.132     0.157     2.929
1.58     0.657
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.238     0.290     0.611     0.670     0.112     0.348
     Composite CO  :     9.40      9.91     13.42     13.71     0.559     0.860
     Composite NOX :     0.240     0.352     0.769     1.039     0.081     0.310
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.711     0.688     0.602     0.678     0.675     0.741     0.789     0.000
     Composite CO  :    17.04     20.58     20.09     23.46     23.22     27.58     29.38      0.00
     Composite NOX :     0.665     0.722     0.592     0.688     0.682     0.755     0.805     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
-------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.252     0.277     0.346     0.382     0.455     0.561     0.620     0.709
     Composite CO  :     0.592     0.586     0.896     0.973     0.914     1.130     1.404     1.784
     Composite NOX :     1.053     1.001     1.618     1.757     1.859     2.300     2.527     3.204
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
-------------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=15.0
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 15.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  Jan.
                 Altitude:  Low
Minimum Temperature:  29.8 (F)
Maximum Temperature:  38.4 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                       Alcohol Blend RVP Waiver: No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.315     0.223     0.508     0.296     0.500    0.114     0.159     0.478
2.85     0.329
     Composite CO  :     11.06      9.05     12.37      9.90     12.75     0.996     0.506     1.096
19.04     9.514
     Composite NOX :      0.315     0.281     0.749     0.401     0.712    0.114     0.135     2.528
1.60     0.573
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.189     0.233     0.493     0.542     0.093     0.292
     Composite CO  :     8.68      9.16     12.28     12.56      0.427     0.665
     Composite NOX :     0.205     0.304     0.671     0.918     0.070     0.268
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.498     0.483     0.424     0.477     0.474     0.519     0.552     0.000
     Composite CO  :    11.98     14.47     14.12     16.49     16.32     19.39     20.65      0.00
     Composite NOX :     0.697     0.756     0.621     0.721     0.715     0.791     0.844     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.202     0.222     0.278     0.306     0.365     0.450     0.497     0.569
     Composite CO  :     0.427     0.423     0.646     0.702     0.659     0.816     1.013     1.287
     Composite NOX :     0.905     0.861     1.391     1.511     1.598     1.977     2.185     2.777
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
```

```
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=20.0
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 20.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.276     0.195     0.448     0.260     0.373    0.098     0.137     0.392
2.46     0.284
     Composite CO  :     10.65      8.68     11.79      9.48      9.47     0.815     0.409     0.828
15.37     9.009
     Composite NOX :      0.290     0.258     0.697     0.371     0.745    0.103     0.121     2.259
1.69     0.526
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.165     0.205     0.434     0.478     0.080     0.252
     Composite CO  :     8.32      8.79     11.71     11.98      0.344     0.541
     Composite NOX :     0.188     0.280     0.623     0.858     0.062     0.240
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.372     0.361     0.319     0.356     0.354     0.386     0.410     0.000
     Composite CO  :     8.90     10.74     10.49     12.25     12.12     14.40     15.34      0.00
     Composite NOX :     0.729     0.791     0.649     0.754     0.748     0.828     0.883     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.166     0.182     0.228     0.251     0.300     0.369     0.408     0.467
     Composite CO  :     0.323     0.319     0.488     0.530     0.498     0.616     0.765     0.972
     Composite NOX :     0.806     0.767     1.239     1.346     1.423     1.760     1.955     2.491
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=25.0
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 25.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.253     0.179     0.411     0.238     0.293    0.087     0.120     0.329
2.23     0.256
     Composite CO  :     10.42      8.47     11.48      9.24      7.43     0.698     0.346     0.654
13.12     8.719
     Composite NOX :      0.275     0.245     0.666     0.353     0.777    0.095     0.112     2.090
1.79     0.497
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.150     0.188     0.399     0.439     0.070     0.222
     Composite CO  :     8.11      8.58     11.40     11.66      0.290     0.460
     Composite NOX :     0.177     0.265     0.594     0.821     0.058     0.222
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.292     0.284     0.252     0.280     0.279     0.302     0.320     0.000
     Composite CO  :     6.98      8.43      8.23      9.61      9.51     11.30     12.03      0.00
     Composite NOX :     0.761     0.826     0.678     0.787     0.781     0.864     0.922     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.139     0.153     0.191     0.211     0.251     0.309     0.342     0.392
     Composite CO  :     0.255     0.252     0.386     0.419     0.393     0.487     0.605     0.768
     Composite NOX :     0.744     0.708     1.143     1.242     1.313     1.624     1.811     2.311
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
-----------------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=30
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 30.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  Jan.
                 Altitude:  Low
Minimum Temperature:  29.8 (F)
Maximum Temperature:  38.4 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                       Alcohol Blend RVP Waiver: No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.239     0.169     0.391     0.226     0.240    0.079     0.108     0.282
2.05     0.239
     Composite CO  :     10.36      8.42     11.38      9.18      6.16     0.622     0.305     0.541
11.50     8.604
     Composite NOX :      0.265     0.236     0.645     0.341     0.810    0.091     0.107     2.001
1.88     0.481
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.141     0.177     0.379     0.418     0.062     0.199
     Composite CO  :     8.05      8.52     11.30     11.56      0.254     0.408
     Composite NOX :     0.170     0.256     0.574     0.797     0.055     0.213
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.240     0.233     0.209     0.230     0.229     0.248     0.261     0.000
     Composite CO  :     5.79      6.99      6.82      7.97      7.89      9.37      9.98      0.00
     Composite NOX :     0.793     0.861     0.706     0.820     0.814     0.900     0.961     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.119     0.131     0.164     0.181     0.215     0.265     0.293     0.336
     Composite CO  :     0.211     0.209     0.319     0.347     0.325     0.403     0.500     0.635
     Composite NOX :     0.712     0.677     1.093     1.188     1.255     1.553     1.736     2.217
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
```

```
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=35
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 35.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.230     0.164     0.377     0.218     0.205    0.072     0.098     0.247
1.91     0.227
     Composite CO  :     10.40      8.46     11.46      9.23      5.40     0.573     0.279     0.468
10.29     8.615
     Composite NOX :      0.260     0.232     0.637     0.336     0.843    0.090     0.106     1.984
1.95     0.476
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.136     0.172     0.365     0.403     0.057     0.183
     Composite CO  :     8.10      8.57     11.38     11.64      0.232     0.375
     Composite NOX :     0.167     0.252     0.567     0.788     0.055     0.211
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.205     0.200     0.180     0.197     0.196     0.211     0.222     0.000
     Composite CO  :     5.07      6.12      5.98      6.98      6.91      8.20      8.74      0.00
     Composite NOX :     0.825     0.896     0.735     0.854     0.847     0.937     0.999     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.104     0.115     0.144     0.158     0.189     0.232     0.257     0.294
     Composite CO  :     0.183     0.181     0.276     0.300     0.282     0.349     0.433     0.550
     Composite NOX :     0.705     0.670     1.083     1.177     1.244     1.539     1.721     2.198
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=40
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 40.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.226     0.163     0.371     0.216     0.181    0.068     0.092     0.222
1.81     0.221
     Composite CO  :     10.68      8.73     11.84      9.53      4.99     0.543     0.263     0.424
9.46     8.850
     Composite NOX :      0.265     0.236     0.643     0.341     0.876    0.093     0.109     2.034
2.00     0.487
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.134     0.171     0.360     0.397     0.052     0.171
     Composite CO  :     8.35      8.85     11.76     12.03      0.218     0.354
     Composite NOX :     0.171     0.256     0.574     0.794     0.056     0.216
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-----------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.181     0.177     0.160     0.174     0.174     0.186     0.195     0.000
     Composite CO  :     4.69      5.67      5.53      6.46      6.39      7.59      8.09      0.00
     Composite NOX :     0.857     0.931     0.763     0.887     0.880     0.973     1.038     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
-----------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.093     0.103     0.129     0.142     0.169     0.208     0.230     0.264
     Composite CO  :     0.165     0.164     0.250     0.272     0.255     0.316     0.392     0.498
     Composite NOX :     0.724     0.688     1.112     1.208     1.277     1.580     1.764     2.252
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=45.
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 45.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  Jan.
                 Altitude:  Low
Minimum Temperature:  29.8 (F)
Maximum Temperature:  38.4 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                       Alcohol Blend RVP Waiver: No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
              GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.223     0.162     0.367     0.215     0.165    0.064     0.087     0.203
1.75     0.217
     Composite CO  :     10.96      9.00     12.23      9.83      4.88     0.528     0.255     0.402
8.93     9.097
     Composite NOX :      0.272     0.242     0.653     0.347     0.908    0.098     0.116     2.160
2.04     0.505
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.133     0.171     0.356     0.392     0.049     0.162
     Composite CO  :     8.61      9.12     12.14     12.42      0.211     0.344
     Composite NOX :     0.176     0.262     0.584     0.803     0.059     0.229
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.165     0.161     0.146     0.159     0.158     0.169     0.177     0.000
     Composite CO  :     4.59      5.54      5.41      6.31      6.25      7.42      7.91      0.00
     Composite NOX :     0.889     0.965     0.792     0.920     0.913     1.010     1.077     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.086     0.094     0.118     0.130     0.155     0.191     0.211     0.241
     Composite CO  :     0.157     0.155     0.237     0.258     0.242     0.299     0.372     0.473
     Composite NOX :     0.770     0.732     1.183     1.285     1.358     1.681     1.871     2.386
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
```

```
-----------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=50
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 50.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.220     0.162     0.362     0.213     0.153    0.062     0.083     0.190
1.74     0.214
     Composite CO  :     11.23      9.27     12.61     10.13      5.04     0.526     0.254     0.399
8.71     9.356
     Composite NOX :      0.279     0.248     0.662     0.354     0.941    0.108     0.127     2.373
2.16     0.531
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.132     0.171     0.351     0.386     0.047     0.156
     Composite CO  :     8.86      9.40     12.52     12.80      0.210     0.343
     Composite NOX :     0.181     0.268     0.593     0.812     0.065     0.252
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.153     0.149     0.136     0.148     0.147     0.157     0.165     0.000
     Composite CO  :     4.74      5.72      5.59      6.52      6.46      7.67      8.17      0.00
     Composite NOX :     0.921     1.000     0.820     0.953     0.946     1.046     1.116     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.080     0.088     0.110     0.122     0.145     0.179     0.197     0.226
     Composite CO  :     0.156     0.154     0.235     0.256     0.240     0.297     0.369     0.469
     Composite NOX :     0.849     0.807     1.304     1.416     1.497     1.853     2.053     2.613
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
---------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=55
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 55.0
```

```
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M618 Comment:
               User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
               User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
               User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                     Calendar Year:  2016
                             Month:  Jan.
                          Altitude:  Low
              Minimum Temperature:  29.8 (F)
              Maximum Temperature:  38.4 (F)
                Minimum Rel. Hum.:  58.2 (%)
                Maximum Rel. Hum.:  74.9 (%)
              Barometric Pressure: 29.80 (inches Hg)
                 Nominal Fuel RVP:   6.8 psi
                    Weathered RVP:   6.8 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  No

              User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.216     0.161     0.357     0.211     0.145    0.061     0.081     0.182
1.74     0.211
     Composite CO  :     11.51      9.54     12.99     10.43      5.50     0.536     0.260     0.415
8.71     9.627
     Composite NOX :      0.286     0.254     0.672     0.361     0.974    0.122     0.144     2.701
2.38     0.567
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.131     0.170     0.347     0.381     0.046     0.152
     Composite CO  :     9.12      9.67     12.90     13.19      0.215     0.350
     Composite NOX :     0.186     0.274     0.604     0.822     0.074     0.286
```

```
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.144     0.141     0.129     0.140     0.140     0.149     0.156     0.000
     Composite CO  :     5.17      6.25      6.10      7.12      7.05      8.37      8.91      0.00
     Composite NOX :     0.953     1.035     0.849     0.986     0.979     1.083     1.155     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
-----------------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
-----------------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.077     0.084     0.106     0.116     0.139     0.171     0.189     0.216
     Composite CO  :     0.162     0.160     0.244     0.266     0.249     0.309     0.383     0.487
     Composite NOX :     0.969     0.921     1.489     1.617     1.710     2.116     2.332     2.961
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
-----------------------------------------------------------------------------------------------------------------
---------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=60
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading PM Gas Carbon ZML Levels
* from the external data file PMGZML.CSV

* Reading PM Gas Carbon DR1 Levels
* from the external data file PMGDR1.CSV

* Reading PM Gas Carbon DR2 Levels
* from the external data file PMGDR2.CSV

* Reading PM Diesel Zero Mile Levels
* from the external data file PMDZML.CSV

* Reading the First PM Deterioration Rates
* from the external data file PMDDR1.CSV

* Reading the Second PM Deterioration Rates
* from the external data file PMDDR2.CSV
  M583 Warning:
            The user supplied arterial average speed of 60.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M616 Comment:
              User has supplied post-1999 sulfur levels.
  M618 Comment:
              User supplied alternate AC input: Sunrise at  7 AM, Sunset at  5 PM.
  M617 Comment:
              User supplied alternate AC input: Cloud Cover Fraction set to 0.35.
  M615 Comment:
              User supplied VMT mix.

* Reading Hourly Roadway VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103F.DEF

  Reading User Supplied ROADWAY VMT Factors

* Reading Hourly VMT distribution from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103H.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: C:\MOBILE62\MOBILE6\RUN\BALT\2011\V001103S.DEF
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file C:\MOBILE62\MOBILE6\RUN\BALT\LEVII94.S11
                    Calendar Year:  2016
```

```
                    Month:  Jan.
                 Altitude:  Low
Minimum Temperature:  29.8 (F)
Maximum Temperature:  38.4 (F)
  Minimum Rel. Hum.:  58.2 (%)
  Maximum Rel. Hum.:  74.9 (%)
Barometric Pressure: 29.80 (inches Hg)
   Nominal Fuel RVP:   6.8 psi
      Weathered RVP:   6.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  Yes
   Evap I/M Program:  Yes
        ATP Program:  Yes
   Reformulated Gas:  No

User supplied hourly temperatures.

   Ether Blend Market Share: 0.000       Alcohol Blend Market Share: 1.000
   Ether Blend Oxygen Content: 0.000     Alcohol Blend Oxygen Content: 0.037
                                          Alcohol Blend RVP Waiver: No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 Fuel Economy (mpg):      24.1      18.5      14.2      17.2       9.7      32.4      20.1       7.0
50.0      16.1
  ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
     Composite VOC :      0.214     0.161     0.353     0.210     0.141    0.060     0.080     0.178
2.07     0.210
     Composite CO  :     11.79      9.81     13.38     10.73      6.35     0.561     0.273     0.451
14.05     9.925
     Composite NOX :      0.294     0.260     0.683     0.368     1.007    0.144     0.170     3.183
2.60     0.617
     Composite CO2 :    368.1     479.3     623.8     516.3     910.8    314.1     506.3    1454.7      177.4
568.24
  ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 Fuel Economy (mpg):      18.5      18.5      14.2      14.2      22.1      17.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.130     0.170     0.343     0.376     0.045     0.150
     Composite CO  :     9.38      9.94     13.28     13.58      0.226     0.366
     Composite NOX :     0.191     0.280     0.614     0.833     0.087     0.336
     Composite CO2 :   479.3     479.3     623.8     623.8     460.4     598.6
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 Fuel Economy (mpg):      10.1       9.4       9.3       8.0       8.1       7.4       7.1       0.0
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.140     0.137     0.126     0.137     0.136     0.146     0.153     0.000
     Composite CO  :     5.96      7.20      7.03      8.21      8.13      9.65     10.28      0.00
     Composite NOX :     0.985     1.070     0.878     1.020     1.012     1.119     1.194     0.000
     Composite CO2 :   875.9     945.0     948.9    1107.4    1090.0    1190.8    1254.8       0.0
---------------------------------------------------------------------------------------------------------
---------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 Fuel Economy (mpg):      13.0      11.7      10.2       9.9       8.7       7.5       6.6       6.3
---------------------------------------------------------------------------------------------------------
---------
 Composite Emission Factors (g/mi):
     Composite VOC :     0.075     0.083     0.103     0.114     0.136     0.167     0.185     0.212
     Composite CO  :     0.176     0.174     0.266     0.289     0.271     0.335     0.417     0.529
     Composite NOX :     1.147     1.090     1.761     1.913     2.024     2.505     2.744     3.474
     Composite CO2 :   785.5     872.9     998.0    1030.4    1168.5    1351.4    1544.5    1615.9
```

```
************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                           *
* Input file: CON16W25.INP (file 1, run 1).                            *
************************************************************************

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=2.5
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                        Particle Size Cutoff:  2.50 Microns
                            Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0033    0.0034    0.0033    0.0156    ------    ------    ------
0.0142    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0139    0.0054    0.0273    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0039    0.0078    0.0157    -----
-    0.0014
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0040    0.0039    0.0040    0.0039    0.0169    0.0180    0.0135    0.0439
0.0144    0.0079
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0244    0.0253    0.0209    0.0554
0.0207    0.0156
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0922
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0033    0.0033    0.0034    0.0034    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0045    0.0074
            OCARBON:    ------    ------    ------    ------    0.0065    0.0106
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0112    0.0182
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0185    0.0256
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0155    0.0159    0.0142    0.0155    0.0154    0.0163    0.0169    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
```

```
   Total Exhaust PM:    0.0169    0.0172    0.0155    0.0167    0.0167    0.0176    0.0182    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0242    0.0255    0.0238    0.0251    0.0250    0.0259    0.0325    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0091    0.0072    0.0102    0.0102    0.0185    0.0182    0.0209    0.0312
            OCARBON:    0.0095    0.0075    0.0107    0.0106    0.0146    0.0143    0.0164    0.0099
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0191    0.0154    0.0215    0.0214    0.0339    0.0334    0.0383    0.0422
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0264    0.0237    0.0299    0.0298    0.0422    0.0417    0.0526    0.0565
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0033    0.0034    0.0033    0.0156    ------    ------    ------
0.0142    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0139    0.0054    0.0273    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0039    0.0078    0.0157    -----
-    0.0014
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0040    0.0039    0.0040    0.0039    0.0169    0.0180    0.0135    0.0439
0.0144    0.0079
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0244    0.0253    0.0209    0.0554
0.0207    0.0156
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0922
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
```

```
              GASPM:    0.0033    0.0033    0.0034    0.0034    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0045    0.0074
            OCARBON:    ------    ------    ------    ------    0.0065    0.0106
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0112    0.0182
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0185    0.0256
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0155    0.0159    0.0142    0.0155    0.0154    0.0163    0.0169    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
   Total Exhaust PM:    0.0169    0.0172    0.0155    0.0167    0.0167    0.0176    0.0182    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0242    0.0255    0.0238    0.0251    0.0250    0.0259    0.0325    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0091    0.0072    0.0102    0.0102    0.0185    0.0182    0.0209    0.0312
            OCARBON:    0.0095    0.0075    0.0107    0.0106    0.0146    0.0143    0.0164    0.0099
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0191    0.0154    0.0215    0.0214    0.0339    0.0334    0.0383    0.0422
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0264    0.0237    0.0299    0.0298    0.0422    0.0417    0.0526    0.0565
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=5.0
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0033    0.0034    0.0033    0.0156    ------    ------    ------
0.0142    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0139    0.0054    0.0273    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0039    0.0078    0.0157    -----
-    0.0014
```

```
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0040    0.0039    0.0040    0.0039    0.0169    0.0180    0.0135    0.0439
0.0144    0.0079
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0244    0.0253    0.0209    0.0554
0.0207    0.0156
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0922
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0033    0.0033    0.0034    0.0034    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0045    0.0074
            OCARBON:    ------    ------    ------    ------    0.0065    0.0106
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0112    0.0182
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0185    0.0256
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0155    0.0159    0.0142    0.0155    0.0154    0.0163    0.0169    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
   Total Exhaust PM:    0.0169    0.0172    0.0155    0.0167    0.0167    0.0176    0.0182    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0242    0.0255    0.0238    0.0251    0.0250    0.0259    0.0325    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0091    0.0072    0.0102    0.0102    0.0185    0.0182    0.0209    0.0312
            OCARBON:    0.0095    0.0075    0.0107    0.0106    0.0146    0.0143    0.0164    0.0099
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0191    0.0154    0.0215    0.0214    0.0339    0.0334    0.0383    0.0422
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0264    0.0237    0.0299    0.0298    0.0422    0.0417    0.0526    0.0565
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=10.0
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  Jan.
```

```
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0033    0.0034    0.0033    0.0156    ------    ------    ------
0.0142    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0139    0.0054    0.0273    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0039    0.0078    0.0157    -----
-    0.0014
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0040    0.0039    0.0040    0.0039    0.0169    0.0180    0.0135    0.0439
0.0144    0.0079
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0244    0.0253    0.0209    0.0554
0.0207    0.0156
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0922
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0033    0.0033    0.0034    0.0034    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0045    0.0074
            OCARBON:    ------    ------    ------    ------    0.0065    0.0106
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0112    0.0182
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0185    0.0256
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0155    0.0159    0.0142    0.0155    0.0154    0.0163    0.0169    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
   Total Exhaust PM:    0.0169    0.0172    0.0155    0.0167    0.0167    0.0176    0.0182    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0242    0.0255    0.0238    0.0251    0.0250    0.0259    0.0325    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
```

```
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0091    0.0072    0.0102    0.0102    0.0185    0.0182    0.0209    0.0312
            OCARBON:    0.0095    0.0075    0.0107    0.0106    0.0146    0.0143    0.0164    0.0099
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0191    0.0154    0.0215    0.0214    0.0339    0.0334    0.0383    0.0422
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0264    0.0237    0.0299    0.0298    0.0422    0.0417    0.0526    0.0565
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=15.0
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                       Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0033    0.0034    0.0033    0.0156    ------    ------    ------
0.0142    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0139    0.0054    0.0273    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0039    0.0078    0.0157    -----
-    0.0014
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0040    0.0039    0.0040    0.0039    0.0169    0.0180    0.0135    0.0439
0.0144    0.0079
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0244    0.0253    0.0209    0.0554
0.0207    0.0156
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0922
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0033    0.0033    0.0034    0.0034    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0045    0.0074
            OCARBON:    ------    ------    ------    ------    0.0065    0.0106
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0112    0.0182
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0185    0.0256
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
```

```
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0155    0.0159    0.0142    0.0155    0.0154    0.0163    0.0169    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
   Total Exhaust PM:    0.0169    0.0172    0.0155    0.0167    0.0167    0.0176    0.0182    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0242    0.0255    0.0238    0.0251    0.0250    0.0259    0.0325    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0091    0.0072    0.0102    0.0102    0.0185    0.0182    0.0209    0.0312
            OCARBON:    0.0095    0.0075    0.0107    0.0106    0.0146    0.0143    0.0164    0.0099
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0191    0.0154    0.0215    0.0214    0.0339    0.0334    0.0383    0.0422
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0264    0.0237    0.0299    0.0298    0.0422    0.0417    0.0526    0.0565
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=20.0
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                        Particle Size Cutoff:  2.50 Microns
                            Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0033    0.0034    0.0034    0.0156    ------    ------    ------
0.0142    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0139    0.0054    0.0273    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0039    0.0078    0.0157    -----
-    0.0014
                SO4:    0.0005    0.0006    0.0006    0.0006    0.0013    0.0002    0.0002    0.0009
0.0002    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0169    0.0180    0.0135    0.0439
0.0144    0.0079
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0244    0.0253    0.0209    0.0554
0.0207    0.0156
```

```
                SO2:    0.0066    0.0087    0.0115    0.0094    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0922
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0033    0.0033    0.0034    0.0034    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0045    0.0074
            OCARBON:    ------    ------    ------    ------    0.0065    0.0106
                SO4:    0.0006    0.0006    0.0006    0.0006    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0112    0.0182
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0185    0.0256
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0155    0.0159    0.0142    0.0154    0.0153    0.0163    0.0169    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0013    0.0000
   Total Exhaust PM:    0.0169    0.0172    0.0155    0.0167    0.0167    0.0176    0.0182    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0242    0.0255    0.0238    0.0251    0.0250    0.0259    0.0325    0.0000
                SO2:    0.0160    0.0173    0.0174    0.0203    0.0200    0.0219    0.0231    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0091    0.0072    0.0102    0.0102    0.0185    0.0182    0.0209    0.0312
            OCARBON:    0.0095    0.0075    0.0107    0.0106    0.0146    0.0143    0.0164    0.0099
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0191    0.0154    0.0215    0.0214    0.0339    0.0334    0.0383    0.0422
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0264    0.0237    0.0299    0.0298    0.0422    0.0417    0.0526    0.0565
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=25.0
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                       Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0035    0.0034    0.0034    0.0034    0.0154    ------    ------    ------
0.0142    0.0035
            ECARBON:    ------    ------    ------    ------    ------    0.0139    0.0054    0.0273    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0039    0.0078    0.0157    -----
-    0.0014
                SO4:    0.0004    0.0005    0.0005    0.0005    0.0015    0.0002    0.0002    0.0009
0.0001    0.0006
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0170    0.0180    0.0135    0.0439
0.0143    0.0079
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0245    0.0253    0.0209    0.0554
0.0207    0.0156
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0166    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0922
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0034    0.0034    0.0034    0.0034    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0045    0.0074
            OCARBON:    ------    ------    ------    ------    0.0065    0.0106
                SO4:    0.0005    0.0005    0.0005    0.0005    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0112    0.0182
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0113    0.0113    0.0113    0.0113    0.0185    0.0256
                SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0154    0.0157    0.0140    0.0153    0.0152    0.0161    0.0167    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0015    0.0015    0.0015    0.0015    0.0015    0.0015    0.0015    0.0000
   Total Exhaust PM:    0.0169    0.0173    0.0155    0.0168    0.0167    0.0176    0.0183    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0242    0.0256    0.0238    0.0251    0.0250    0.0259    0.0326    0.0000
                SO2:    0.0159    0.0172    0.0173    0.0203    0.0199    0.0218    0.0230    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0091    0.0072    0.0102    0.0102    0.0185    0.0182    0.0209    0.0312
            OCARBON:    0.0095    0.0075    0.0107    0.0106    0.0146    0.0143    0.0164    0.0099
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0191    0.0154    0.0215    0.0214    0.0339    0.0334    0.0383    0.0422
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
```

```
           Total PM:    0.0264    0.0237    0.0299    0.0298    0.0422    0.0417    0.0526    0.0565
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=30
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                             Calendar Year:  2016
                                     Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
                Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
               GASPM:    0.0036    0.0034    0.0035    0.0034    0.0153    ------    ------    ------
0.0142    0.0036
             ECARBON:    ------    ------    ------    ------    ------    0.0139    0.0054    0.0273    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0039    0.0078    0.0157    -----
-    0.0014
                 SO4:    0.0003    0.0005    0.0005    0.0005    0.0018    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0170    0.0180    0.0135    0.0439
0.0143    0.0079
               Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
                Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0113    0.0113    0.0113    0.0245    0.0253    0.0209    0.0554
0.0206    0.0156
                 SO2:    0.0067    0.0088    0.0115    0.0095    0.0165    0.0029    0.0047    0.0136
0.0033    0.0092
                 NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0922
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
                Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
               GASPM:    0.0034    0.0034    0.0035    0.0035    ------    ------
             ECARBON:    ------    ------    ------    ------    0.0045    0.0074
             OCARBON:    ------    ------    ------    ------    0.0065    0.0106
                 SO4:    0.0005    0.0005    0.0005    0.0005    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0112    0.0182
               Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
                Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0112    0.0113    0.0113    0.0113    0.0185    0.0256
                 SO2:    0.0086    0.0088    0.0115    0.0115    0.0043    0.0056
                 NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
                Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
               GASPM:    0.0152    0.0155    0.0138    0.0151    0.0150    0.0159    0.0165    0.0000
             ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
             OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
```

```
                SO4:    0.0018    0.0018    0.0017    0.0017    0.0017    0.0017    0.0017    0.0000
   Total Exhaust PM:    0.0170    0.0173    0.0155    0.0168    0.0167    0.0177    0.0183    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0243    0.0256    0.0239    0.0252    0.0251    0.0260    0.0326    0.0000
                SO2:    0.0159    0.0171    0.0172    0.0202    0.0199    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0091    0.0072    0.0102    0.0102    0.0185    0.0182    0.0209    0.0312
            OCARBON:    0.0095    0.0075    0.0107    0.0106    0.0146    0.0143    0.0164    0.0099
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0191    0.0154    0.0215    0.0214    0.0339    0.0334    0.0383    0.0422
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0264    0.0237    0.0299    0.0298    0.0422    0.0417    0.0526    0.0565
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=35
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                             Calendar Year:  2016
                                     Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                        Particle Size Cutoff:  2.50 Microns
                            Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0035    0.0035    0.0035    0.0151    ------    ------    ------
0.0142    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0139    0.0054    0.0273    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0039    0.0078    0.0157    -----
-    0.0014
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0171    0.0180    0.0135    0.0439
0.0143    0.0079
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0246    0.0253    0.0209    0.0554
0.0206    0.0156
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0922
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
```

```
              Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
             GASPM:    0.0035    0.0035    0.0035    0.0035    ------    ------
           ECARBON:    ------    ------    ------    ------    0.0045    0.0074
           OCARBON:    ------    ------    ------    ------    0.0065    0.0106
               SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
  Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0112    0.0182
             Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
              Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
          Total PM:    0.0112    0.0112    0.0113    0.0113    0.0185    0.0256
               SO2:    0.0087    0.0088    0.0115    0.0115    0.0043    0.0056
               NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
         Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                       ------    ------    ------    ------    ------    ------    ------    ------
           VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
             GASPM:    0.0150    0.0154    0.0136    0.0149    0.0148    0.0157    0.0164    0.0000
           ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
           OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
               SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
  Total Exhaust PM:    0.0170    0.0174    0.0156    0.0169    0.0168    0.0177    0.0183    0.0000
             Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
              Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
          Total PM:    0.0243    0.0257    0.0239    0.0252    0.0251    0.0260    0.0327    0.0000
               SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
               NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
         Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                       ------    ------    ------    ------    ------    ------    ------    ------
           VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
              Lead:    ------    ------    ------    ------    ------    ------    ------    ------
             GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
           ECARBON:    0.0091    0.0072    0.0102    0.0102    0.0185    0.0182    0.0209    0.0312
           OCARBON:    0.0095    0.0075    0.0107    0.0106    0.0146    0.0143    0.0164    0.0099
               SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
  Total Exhaust PM:    0.0191    0.0154    0.0215    0.0214    0.0339    0.0334    0.0383    0.0422
             Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
              Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
          Total PM:    0.0264    0.0237    0.0299    0.0298    0.0422    0.0417    0.0526    0.0565
               SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
               NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=40
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
              Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
             GASPM:    0.0037    0.0035    0.0035    0.0035    0.0151    ------    ------    ------
0.0142    0.0036
           ECARBON:    ------    ------    ------    ------    ------    0.0139    0.0054    0.0273    -----
-    0.0024
```

```
            OCARBON:    ------    ------    ------    ------    ------    0.0039    0.0078    0.0157    -----
-    0.0014
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0171    0.0180    0.0135    0.0439
0.0143    0.0079
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0246    0.0253    0.0209    0.0554
0.0206    0.0156
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0922
 ------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
             GASPM:    0.0035    0.0035    0.0035    0.0035    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0045    0.0074
            OCARBON:    ------    ------    ------    ------    0.0065    0.0106
                SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0112    0.0182
             Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
              Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0185    0.0256
                SO2:    0.0087    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
 ------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
             GASPM:    0.0150    0.0154    0.0136    0.0149    0.0148    0.0157    0.0164    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
   Total Exhaust PM:    0.0170    0.0174    0.0156    0.0169    0.0168    0.0177    0.0183    0.0000
             Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
              Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0243    0.0257    0.0239    0.0252    0.0251    0.0260    0.0327    0.0000
                SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
             GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0091    0.0072    0.0102    0.0102    0.0185    0.0182    0.0209    0.0312
            OCARBON:    0.0095    0.0075    0.0107    0.0106    0.0146    0.0143    0.0164    0.0099
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0191    0.0154    0.0215    0.0214    0.0339    0.0334    0.0383    0.0422
             Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
              Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0264    0.0237    0.0299    0.0298    0.0422    0.0417    0.0526    0.0565
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=45.
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # #
```

```
                              Calendar Year:  2016
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                         ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0035    0.0035    0.0035    0.0151    ------    ------    ------
0.0142    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0139    0.0054    0.0273    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0039    0.0078    0.0157    -----
-    0.0014
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0171    0.0180    0.0135    0.0439
0.0143    0.0079
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
            Total PM:    0.0112    0.0112    0.0113    0.0113    0.0246    0.0253    0.0209    0.0554
0.0206    0.0156
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0922
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0035    0.0035    0.0035    0.0035    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0045    0.0074
            OCARBON:    ------    ------    ------    ------    0.0065    0.0106
                SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0112    0.0182
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
            Total PM:    0.0112    0.0112    0.0113    0.0113    0.0185    0.0256
                SO2:    0.0087    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0150    0.0154    0.0136    0.0149    0.0148    0.0157    0.0164    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
   Total Exhaust PM:    0.0170    0.0174    0.0156    0.0169    0.0168    0.0177    0.0183    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
            Total PM:    0.0243    0.0257    0.0239    0.0252    0.0251    0.0260    0.0327    0.0000
                SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
```

```
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0091    0.0072    0.0102    0.0102    0.0185    0.0182    0.0209    0.0312
            OCARBON:    0.0095    0.0075    0.0107    0.0106    0.0146    0.0143    0.0164    0.0099
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0191    0.0154    0.0215    0.0214    0.0339    0.0334    0.0383    0.0422
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0264    0.0237    0.0299    0.0298    0.0422    0.0417    0.0526    0.0565
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=50
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # #

                             Calendar Year:  2016
                                     Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                          ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0035    0.0035    0.0035    0.0151    ------    ------    ------
0.0142    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0139    0.0054    0.0273    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0039    0.0078    0.0157    -----
-    0.0014
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0171    0.0180    0.0135    0.0439
0.0143    0.0079
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0246    0.0253    0.0209    0.0554
0.0206    0.0156
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0922
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0035    0.0035    0.0035    0.0035    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0045    0.0074
            OCARBON:    ------    ------    ------    ------    0.0065    0.0106
                SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0112    0.0182
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0185    0.0256
                SO2:    0.0087    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
```

```
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0150    0.0154    0.0136    0.0149    0.0148    0.0157    0.0164    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
   Total Exhaust PM:    0.0170    0.0174    0.0156    0.0169    0.0168    0.0177    0.0183    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0243    0.0257    0.0239    0.0252    0.0251    0.0260    0.0327    0.0000
                SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0091    0.0072    0.0102    0.0102    0.0185    0.0182    0.0209    0.0312
            OCARBON:    0.0095    0.0075    0.0107    0.0106    0.0146    0.0143    0.0164    0.0099
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0191    0.0154    0.0215    0.0214    0.0339    0.0334    0.0383    0.0422
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0264    0.0237    0.0299    0.0298    0.0422    0.0417    0.0526    0.0565
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=55
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                      Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                        Particle Size Cutoff:  2.50 Microns
                            Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0035    0.0035    0.0035    0.0151    ------    ------    ------
0.0142    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0139    0.0054    0.0273    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0039    0.0078    0.0157    -----
-    0.0014
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0171    0.0180    0.0135    0.0439
0.0143    0.0079
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0246    0.0253    0.0209    0.0554
0.0206    0.0156
```

```
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0922
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                        ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0035    0.0035    0.0035    0.0035    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0045    0.0074
            OCARBON:    ------    ------    ------    ------    0.0065    0.0106
                SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0112    0.0182
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0185    0.0256
                SO2:    0.0087    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0150    0.0154    0.0136    0.0149    0.0148    0.0157    0.0164    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
   Total Exhaust PM:    0.0170    0.0174    0.0156    0.0169    0.0168    0.0177    0.0183    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0243    0.0257    0.0239    0.0252    0.0251    0.0260    0.0327    0.0000
                SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0091    0.0072    0.0102    0.0102    0.0185    0.0182    0.0209    0.0312
            OCARBON:    0.0095    0.0075    0.0107    0.0106    0.0146    0.0143    0.0164    0.0099
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0191    0.0154    0.0215    0.0214    0.0339    0.0334    0.0383    0.0422
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
           Total PM:    0.0264    0.0237    0.0299    0.0298    0.0422    0.0417    0.0526    0.0565
                SO2:    0.0073    0.0081    0.0093    0.0096    0.0109    0.0126    0.0144    0.0151
                NH3:    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270    0.0270
 ---------------------------------------------------------------------------------------------------------
-----------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* Baltimore City speED=60
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # #

                              Calendar Year:  2016
                                       Month:  Jan.
               Gasoline Fuel Sulfur Content:   30. ppm
                 Diesel Fuel Sulfur Content:   15. ppm
                       Particle Size Cutoff:  2.50 Microns
                           Reformulated Gas:  No

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV
MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    -----
-    ------
```

```
   VMT Distribution:    0.2812    0.4387    0.1511              0.0329    0.0000    0.0068    0.0869
0.0024    1.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    ------    ------    ------
0.0000    0.0000
              GASPM:    0.0037    0.0035    0.0035    0.0035    0.0151    ------    ------    ------
0.0142    0.0036
            ECARBON:    ------    ------    ------    ------    ------    0.0139    0.0054    0.0273    -----
-    0.0024
            OCARBON:    ------    ------    ------    ------    ------    0.0039    0.0078    0.0157    -----
-    0.0014
                SO4:    0.0002    0.0004    0.0004    0.0004    0.0020    0.0002    0.0002    0.0009
0.0001    0.0005
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0039    0.0171    0.0180    0.0135    0.0439
0.0143    0.0079
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0022    0.0020    0.0020    0.0061
0.0010    0.0024
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0246    0.0253    0.0209    0.0554
0.0206    0.0156
                SO2:    0.0067    0.0088    0.0115    0.0095    0.0164    0.0029    0.0047    0.0136
0.0033    0.0092
                NH3:    0.1009    0.1015    0.1017    0.1015    0.0451    0.0068    0.0068    0.0270
0.0113    0.0922
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:     LDGT1     LDGT2     LDGT3     LDGT4    LDDT12    LDDT34
                         ------    ------    ------    ------    ------    ------
            VMT Mix:    0.1014    0.3373    0.1035    0.0476    0.0045    0.0022
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    ------    ------
              GASPM:    0.0035    0.0035    0.0035    0.0035    ------    ------
            ECARBON:    ------    ------    ------    ------    0.0045    0.0074
            OCARBON:    ------    ------    ------    ------    0.0065    0.0106
                SO4:    0.0004    0.0004    0.0004    0.0004    0.0002    0.0003
   Total Exhaust PM:    0.0039    0.0039    0.0040    0.0040    0.0112    0.0182
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020
           Total PM:    0.0112    0.0112    0.0113    0.0113    0.0185    0.0256
                SO2:    0.0087    0.0088    0.0115    0.0115    0.0043    0.0056
                NH3:    0.1007    0.1017    0.1017    0.1017    0.0068    0.0068
 ---------------------------------------------------------------------------------------------------------
-----------
          Veh. Type:    HDGV2B    HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0275    0.0010    0.0003    0.0010    0.0020    0.0008    0.0000    0.0000
 ---------------------------------------------------------------------------------------------------------
-----------
 Composite Emission Factors (g/mi):
               Lead:    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
              GASPM:    0.0150    0.0154    0.0136    0.0149    0.0148    0.0157    0.0164    0.0000
            ECARBON:    ------    ------    ------    ------    ------    ------    ------    ------
            OCARBON:    ------    ------    ------    ------    ------    ------    ------    ------
                SO4:    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0020    0.0000
   Total Exhaust PM:    0.0170    0.0174    0.0156    0.0169    0.0168    0.0177    0.0183    0.0000
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0000
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0000
           Total PM:    0.0243    0.0257    0.0239    0.0252    0.0251    0.0260    0.0327    0.0000
                SO2:    0.0158    0.0171    0.0172    0.0201    0.0198    0.0217    0.0229    0.0000
                NH3:    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0451    0.0000
 ---------------------------------------------------------------------------------------------------------
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          Veh. Type:    HDDV2B    HDDV3     HDDV4     HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B
                        ------    ------    ------    ------    ------    ------    ------    ------
            VMT Mix:    0.0082    0.0025    0.0027    0.0013    0.0060    0.0087    0.0103    0.0365
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 Composite Emission Factors (g/mi):
               Lead:    ------    ------    ------    ------    ------    ------    ------    ------
              GASPM:    ------    ------    ------    ------    ------    ------    ------    ------
            ECARBON:    0.0091    0.0072    0.0102    0.0102    0.0185    0.0182    0.0209    0.0312
            OCARBON:    0.0095    0.0075    0.0107    0.0106    0.0146    0.0143    0.0164    0.0099
                SO4:    0.0005    0.0006    0.0007    0.0007    0.0008    0.0009    0.0010    0.0011
   Total Exhaust PM:    0.0191    0.0154    0.0215    0.0214    0.0339    0.0334    0.0383    0.0422
              Brake:    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053    0.0053
               Tire:    0.0020    0.0030    0.0030    0.0030    0.0030    0.0030    0.0090    0.0090
```

Total PM:	0.0264	0.0237	0.0299	0.0298	0.0422	0.0417	0.0526	0.0565
SO2:	0.0073	0.0081	0.0093	0.0096	0.0109	0.0126	0.0144	0.0151
NH3:	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270	0.0270

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File      Run       Scenario  CY        EType     Pol #     Pol Name  LDGV      LDGT1     LDGT2     LDGT3     LDGT4     HDGV2B
          HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B    LDDV      LDDT12    HDDV2B    HDDV3     HDDV4
          HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B    MC        GAS BUS   URB BUS   COM BUS   LDDT34    ALL VEH   Month
          Altitude  TMin      Tmax      Nom RVP   Gas Sulfur          Dsl Sulfur          I/M?      Avg Spd   NGV?      E200
          E300      Arom      Olef      Benz      MTBE vol% MTBE MktFrac        ETBE vol% ETBE MktFrac        ETOH vol% ETOH
MktFrac   TAME vol% TAME MktFrac        Part Size Description
  1         1         1       2016      VMT       0         VMT           0.2812              0.1014              0.3373
              0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
              0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
              0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
              0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
              0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes         2.5
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000      2.50      Baltimore City speED=2.5
  1         1         1       2016       1        11            Lead      0.0000              0.0000              0.0000
              0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
              0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA            0.0000              0.0000          NA        NA
          NA            0.0000          1         1          29.8      38.4       6.8       30.       15.     Yes         2.5
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000      2.50      Baltimore City speED=2.5
  1         1         1       2016       1        10           GASPM      0.0035              0.0033              0.0033
              0.0034              0.0034              0.0155              0.0159              0.0142              0.0155
              0.0154              0.0163              0.0169              0.0000          NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA            0.0142              0.0233          NA        NA
          NA            0.0035          1         1          29.8      38.4       6.8       30.       15.     Yes         2.5
          No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
          0.000     0.000      2.50      Baltimore City speED=2.5
  1         1         1       2016       1         9         ECARBON  NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0139            0.0045
0.0091        0.0072              0.0102              0.0102              0.0185              0.0182              0.0209
              0.0312          NA        NA              0.0432              0.0647              0.0074              0.0024
          1         1          29.8      38.4       6.8       30.       15.     Yes         2.5     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
           Baltimore City speED=2.5
  1         1         1       2016       1         8         OCARBON  NA        NA        NA        NA        NA        NA
          NA        NA        NA        NA        NA        NA        NA            0.0039            0.0065
0.0095        0.0075              0.0107              0.0106              0.0146              0.0143              0.0164
              0.0099          NA        NA              0.0340              0.0509              0.0106              0.0014
          1         1          29.8      38.4       6.8       30.       15.     Yes         2.5     No         0.00      0.00
           0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
           Baltimore City speED=2.5
  1         1         1       2016       1         7             SO4      0.0005              0.0006              0.0006
              0.0006              0.0006              0.0013              0.0013              0.0013              0.0013
              0.0013              0.0013              0.0013              0.0000              0.0002              0.0002
              0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
              0.0010              0.0011              0.0002              0.0012              0.0015              0.0011
              0.0003              0.0006          1         1          29.8      38.4       6.8       30.       15.     Yes
          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore City speED=2.5
  1         1         1       2016       9        14           Brake      0.0053              0.0053              0.0053
              0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
              0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
              0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
              0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
              0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
              0.0053              0.0053          1         1          29.8      38.4       6.8       30.       15.     Yes
          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore City speED=2.5
  1         1         1       2016      10        15            Tire      0.0020              0.0020              0.0020
              0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
              0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
              0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
              0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
              0.0020              0.0024          1         1          29.8      38.4       6.8       30.       15.     Yes
          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore City speED=2.5
  1         1         1       2016       1        12             SO2      0.0066              0.0086              0.0088
              0.0115              0.0115              0.0160              0.0173              0.0174              0.0203
              0.0200              0.0219              0.0231              0.0000              0.0029              0.0043
              0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
              0.0144              0.0151              0.0033              0.0254              0.0218              0.0153
              0.0056              0.0092          1         1          29.8      38.4       6.8       30.       15.     Yes
          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore City speED=2.5
  1         1         1       2016       1        13             NH3      0.1009              0.1007              0.1017
              0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
              0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
              0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
              0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
              0.0068              0.0922          1         1          29.8      38.4       6.8       30.       15.     Yes
          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
          0.000     0.000     0.000      2.50      Baltimore City speED=2.5
File      Run       Scenario  CY        EType     Pol #     Pol Name  LDGV      LDGT1     LDGT2     LDGT3     LDGT4     HDGV2B
          HDGV3     HDGV4     HDGV5     HDGV6     HDGV7     HDGV8A    HDGV8B    LDDV      LDDT12    HDDV2B    HDDV3     HDDV4
          HDDV5     HDDV6     HDDV7     HDDV8A    HDDV8B    MC        GAS BUS   URB BUS   COM BUS   LDDT34    ALL VEH   Month
          Altitude  TMin      Tmax      Nom RVP   Gas Sulfur          Dsl Sulfur          I/M?      Avg Spd   NGV?      E200
          E300      Arom      Olef      Benz      MTBE vol% MTBE MktFrac        ETBE vol% ETBE MktFrac        ETOH vol% ETOH
MktFrac   TAME vol% TAME MktFrac        Part Size Description
  1         1         1       2016      MPG       0         MPG          24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1          1         1          29.8      38.4       6.8       30.       15.     Yes
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          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=2.5
1         1         1       2016      VMT       0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022            1         1         1          29.8      38.4       6.8       30.       15.     Yes         2.5
        No         0.00      0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore City speED=2.5
1         1         1       2016      1         1         VOC           1.956               1.117               1.223
             2.382               2.507               2.654               2.610               2.231               2.378
             2.372               2.498               2.590               0.000               0.182               0.155
             0.365               0.401               0.502               0.553               0.659               0.812
             0.898               1.028               9.387               4.823               0.784               1.190
             0.475               1.628          1         1          29.8      38.4       6.8       30.       15.     Yes
          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=2.5
1         1         1       2016      1         2         CO           20.687              16.609              17.439
            25.070              25.525              32.060              38.718              37.788              44.126
            43.679              51.885              55.262               0.000               2.078               0.927
             1.052               1.041               1.591               1.728               1.623               2.008
             2.494               3.169              86.368              60.785               5.727               3.870
             1.405              18.763          1         1          29.8      38.4       6.8       30.       15.     Yes
          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=2.5
1         1         1       2016      1         3         NOX           0.500               0.331               0.486
             1.052               1.418               0.617               0.669               0.549               0.638
             0.633               0.700               0.747               0.000               0.176               0.107
             1.413               1.343               2.170               2.357               2.494               3.086
             3.360               4.242               1.787               1.560               9.560               7.019
             0.412               0.880          1         1          29.8      38.4       6.8       30.       15.     Yes
          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=2.5
1         1         1       2016      1         4         CO2           368.1               479.3               479.3
             623.8               623.8               875.9               945.0               948.9              1107.4
            1090.0              1190.8              1254.8                 0.0               314.1               460.4
             785.5               872.9               998.0              1030.4              1168.5              1351.4
            1544.5              1615.9               177.4              1375.8              2335.7              1646.1
             598.6               568.2          1         1          29.8      38.4       6.8       30.       15.     Yes
          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=2.5
1         1         1       2016      3         1        Hot Soak       0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=2.5
1         1         1       2016      4         1        Diurnal        0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=2.5
1         1         1       2016      5         1        Resting        0.038               0.009               0.009
             0.030               0.030               0.037               0.037               0.038               0.038
             0.038               0.038               0.038               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.051               0.000               0.000
             0.000               0.020          1         1          29.8      38.4       6.8       30.       15.     Yes
          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=2.5
1         1         1       2016      6         1        Running        1.501               0.790               0.794
             1.422               1.422               1.606               1.606               1.351               1.351
             1.351               1.351               1.351               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               2.814               0.000               0.000
             0.000               1.037          1         1          29.8      38.4       6.8       30.       15.     Yes
          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=2.5
1         1         1       2016      7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.010               0.010
             0.010               0.010               0.010               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.009               0.000               0.000
             0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=2.5
1         1         1       2016      8         1        Refueling      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000           NA                  NA
        NA                  NA                  NA                  NA                  NA                  NA
        NA                  NA                  0.000               0.000           NA                  NA
        NA                  NA                  1         1          29.8      38.4       6.8       30.       15.     Yes
          2.5     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=2.5
1         1         1       2016     11         1        Total Evap                1.546               0.807
0.811         1.462               1.462               1.652               1.652               1.399               1.399
             1.399               1.399               1.399               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               2.873               0.000               0.000
```

0.000 1.065 1 1 29.8 38.4 6.8 30. 15. Yes
2.5 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=2.5
1 1 2 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 5.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=5.0
1 1 2 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 5.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=5.0
1 1 2 2016 1 10 GASPM 0.0035 0.0033 0.0033
0.0034 0.0034 0.0155 0.0159 0.0142 0.0155
0.0154 0.0163 0.0169 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0142 0.0233 NA NA
NA 0.0035 1 1 29.8 38.4 6.8 30. 15. Yes 5.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=5.0
1 1 2 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0139 0.0045
0.0091 0.0072 0.0102 0.0102 0.0185 0.0182 0.0209
0.0312 NA NA 0.0432 0.0647 0.0074 0.0024
1 1 29.8 38.4 6.8 30. 15. Yes 5.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=5.0
1 1 2 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0039 0.0065
0.0095 0.0075 0.0107 0.0106 0.0146 0.0143 0.0164
0.0099 NA NA 0.0340 0.0509 0.0106 0.0014
1 1 29.8 38.4 6.8 30. 15. Yes 5.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=5.0
1 1 2 2016 1 7 SO4 0.0005 0.0006 0.0006
0.0006 0.0006 0.0013 0.0013 0.0013 0.0013
0.0013 0.0013 0.0013 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0012 0.0015 0.0011
0.0003 0.0006 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=5.0
1 1 2 2016 9 14 Brake 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0000 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=5.0
1 1 2 2016 10 15 Tire 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0030 0.0030 0.0030
0.0030 0.0030 0.0090 0.0000 0.0020 0.0020
0.0020 0.0030 0.0030 0.0030 0.0030 0.0030
0.0090 0.0090 0.0010 0.0030 0.0030 0.0030
0.0020 0.0024 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=5.0
1 1 2 2016 1 12 SO2 0.0066 0.0086 0.0088
0.0115 0.0115 0.0160 0.0173 0.0174 0.0203
0.0200 0.0219 0.0231 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0254 0.0218 0.0153
0.0056 0.0092 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=5.0
1 1 2 2016 1 13 NH3 0.1009 0.1007 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0922 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=5.0
1 1 2 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=5.0
1 1 2 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 5.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=5.0

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1         1         2       2016       1         1         VOC           0.711               0.426               0.498
             1.021               1.106               1.247               1.211               1.049               1.166
             1.161               1.261               1.335               0.000               0.164               0.138
             0.320               0.353               0.441               0.486               0.580               0.714
             0.789               0.904               6.148               2.317               0.689               1.046
             0.425               0.693           1         1          29.8      38.4       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         2       2016       1         2         CO           14.663              11.735              12.332
            17.159              17.501              25.616              30.936              30.194              35.257
            34.900              41.457              44.155               0.000               1.743               0.772
             0.858               0.850               1.299               1.411               1.325               1.639
             2.036               2.587              51.569              48.568               4.675               3.159
             1.176              13.299           1         1          29.8      38.4       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         2       2016       1         3         NOX           0.444               0.293               0.429
             0.925               1.241               0.633               0.687               0.563               0.655
             0.649               0.718               0.766               0.000               0.158               0.097
             1.270               1.207               1.950               2.118               2.242               2.773
             3.028               3.829               1.676               1.601               8.583               6.303
             0.371               0.786           1         1          29.8      38.4       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         2       2016       1         4         CO2           368.1               479.3               479.3
             623.8               623.8               875.9               945.0               948.9              1107.4
            1090.0              1190.8              1254.8                 0.0               314.1               460.4
             785.5               872.9               998.0              1030.4              1168.5              1351.4
            1544.5              1615.9               177.4              1375.8              2335.7              1646.1
             598.6               568.2           1         1          29.8      38.4       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         2       2016       3         1        Hot Soak       0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000           1         1          29.8      38.4       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         2       2016       4         1        Diurnal        0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000           1         1          29.8      38.4       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         2       2016       5         1        Resting        0.038               0.009               0.009
             0.030               0.030               0.037               0.037               0.038               0.038
             0.038               0.038               0.038               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.051               0.000               0.000
             0.000               0.020           1         1          29.8      38.4       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         2       2016       6         1        Running        0.375               0.197               0.198
             0.355               0.355               0.401               0.401               0.338               0.338
             0.338               0.338               0.338               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.703               0.000               0.000
             0.000               0.259           1         1          29.8      38.4       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         2       2016       7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.010               0.010
             0.010               0.010               0.010               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.009               0.000               0.000
             0.000               0.008           1         1          29.8      38.4       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         2       2016       8         1        Refueling      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000          NA                  NA
         NA                  NA                  NA                  NA                  NA                  NA
         NA                  NA                  0.000               0.000          NA                  NA
         NA                  NA                  1         1          29.8      38.4       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         2       2016      11         1        Total Evap                0.421               0.215
0.216        0.395               0.395               0.448               0.448               0.386               0.386
             0.386               0.386               0.386               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.763               0.000               0.000
             0.000               0.287           1         1          29.8      38.4       6.8       30.       15.     Yes
           5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         3       2016     VMT         0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes         5.0
```

No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=5.0
1 1 3 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 5.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=5.0
1 1 3 2016 1 10 GASPM 0.0035 0.0033 0.0033
0.0034 0.0034 0.0155 0.0159 0.0142 0.0155
0.0154 0.0163 0.0169 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0142 0.0233 NA NA
NA 0.0035 1 1 29.8 38.4 6.8 30. 15. Yes 5.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=5.0
1 1 3 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0139 0.0045
0.0091 0.0072 0.0102 0.0102 0.0185 0.0182 0.0209
0.0312 NA NA 0.0432 0.0647 0.0074 0.0024
1 1 29.8 38.4 6.8 30. 15. Yes 5.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=5.0
1 1 3 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0039 0.0065
0.0095 0.0075 0.0107 0.0106 0.0146 0.0143 0.0164
0.0099 NA NA 0.0340 0.0509 0.0106 0.0014
1 1 29.8 38.4 6.8 30. 15. Yes 5.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=5.0
1 1 3 2016 1 7 SO4 0.0005 0.0006 0.0006
0.0006 0.0006 0.0013 0.0013 0.0013 0.0013
0.0013 0.0013 0.0013 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0012 0.0015 0.0011
0.0003 0.0006 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=5.0
1 1 3 2016 9 14 Brake 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0000 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=5.0
1 1 3 2016 10 15 Tire 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0030 0.0030 0.0030
0.0030 0.0030 0.0090 0.0000 0.0020 0.0020
0.0020 0.0030 0.0030 0.0030 0.0030 0.0030
0.0090 0.0090 0.0010 0.0030 0.0030 0.0030
0.0020 0.0024 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=5.0
1 1 3 2016 1 12 SO2 0.0066 0.0086 0.0088
0.0115 0.0115 0.0160 0.0173 0.0174 0.0203
0.0200 0.0219 0.0231 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0254 0.0218 0.0153
0.0056 0.0092 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=5.0
1 1 3 2016 1 13 NH3 0.1009 0.1007 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0922 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=5.0
1 1 3 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=5.0
1 1 3 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 5.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=5.0
1 1 3 2016 1 1 VOC 0.711 0.426 0.498
1.021 1.106 1.247 1.211 1.049 1.166
1.161 1.261 1.335 0.000 0.164 0.138
0.320 0.353 0.441 0.486 0.580 0.714
0.789 0.904 6.148 2.317 0.689 1.046
0.425 0.693 1 1 29.8 38.4 6.8 30. 15. Yes
5.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=5.0

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1         1         3       2016       1         2         CO           14.663              11.735              12.332
            17.159              17.501              25.616              30.936              30.194              35.257
            34.900              41.457              44.155               0.000               1.743               0.772
             0.858               0.850               1.299               1.411               1.325               1.639
             2.036               2.587              51.569              48.568               4.675               3.159
             1.176              13.299          1         1          29.8      38.4       6.8       30.       15.     Yes
          5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         3       2016       1         3         NOX           0.444               0.293               0.429
             0.925               1.241               0.633               0.687               0.563               0.655
             0.649               0.718               0.766               0.000               0.158               0.097
             1.270               1.207               1.950               2.118               2.242               2.773
             3.028               3.829               1.676               1.601               8.583               6.303
             0.371               0.786          1         1          29.8      38.4       6.8       30.       15.     Yes
          5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         3       2016       1         4         CO2           368.1               479.3               479.3
             623.8               623.8               875.9               945.0               948.9              1107.4
            1090.0              1190.8              1254.8                 0.0               314.1               460.4
             785.5               872.9               998.0              1030.4              1168.5              1351.4
            1544.5              1615.9               177.4              1375.8              2335.7              1646.1
             598.6               568.2          1         1          29.8      38.4       6.8       30.       15.     Yes
          5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         3       2016       3         1         Hot Soak      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
          5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         3       2016       4         1         Diurnal       0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
          5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         3       2016       5         1         Resting       0.038               0.009               0.009
             0.030               0.030               0.037               0.037               0.038               0.038
             0.038               0.038               0.038               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.051               0.000               0.000
             0.000               0.020          1         1          29.8      38.4       6.8       30.       15.     Yes
          5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         3       2016       6         1         Running       0.375               0.197               0.198
             0.355               0.355               0.401               0.401               0.338               0.338
             0.338               0.338               0.338               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.703               0.000               0.000
             0.000               0.259          1         1          29.8      38.4       6.8       30.       15.     Yes
          5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         3       2016       7         1         Crankcase     0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.010               0.010
             0.010               0.010               0.010               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.009               0.000               0.000
             0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
          5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         3       2016       8         1         Refueling     0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000          NA                  NA
        NA                  NA                  NA                  NA                  NA                  NA
        NA                  NA                      0.000               0.000          NA                  NA
        NA                  NA                  1         1          29.8      38.4       6.8       30.       15.     Yes
          5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         3       2016      11         1         Total Evap              0.421               0.215
0.216         0.395               0.395               0.448               0.448               0.386               0.386
             0.386               0.386               0.386               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.763               0.000               0.000
             0.000               0.287          1         1          29.8      38.4       6.8       30.       15.     Yes
          5.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=5.0
1         1         4       2016     VMT         0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        10.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore City speED=10.0
1         1         4       2016       1        11             Lead      0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA            0.0000              0.0000              NA        NA
        NA            0.0000          1         1          29.8      38.4       6.8       30.       15.     Yes        10.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore City speED=10.0
```

1 1 4 2016 1 10 GASPM 0.0035 0.0033 0.0033
0.0034 0.0034 0.0155 0.0159 0.0142 0.0155
0.0154 0.0163 0.0169 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0142 0.0233 NA NA
NA 0.0035 1 1 29.8 38.4 6.8 30. 15. Yes 10.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=10.0
1 1 4 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0139 0.0045
0.0091 0.0072 0.0102 0.0102 0.0185 0.0182 0.0209
0.0312 NA NA 0.0432 0.0647 0.0074 0.0024
1 1 29.8 38.4 6.8 30. 15. Yes 10.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=10.0
1 1 4 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0039 0.0065
0.0095 0.0075 0.0107 0.0106 0.0146 0.0143 0.0164
0.0099 NA NA 0.0340 0.0509 0.0106 0.0014
1 1 29.8 38.4 6.8 30. 15. Yes 10.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=10.0
1 1 4 2016 1 7 SO4 0.0005 0.0006 0.0006
0.0006 0.0006 0.0013 0.0013 0.0013 0.0013
0.0013 0.0013 0.0013 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0012 0.0015 0.0011
0.0003 0.0006 1 1 29.8 38.4 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=10.0
1 1 4 2016 9 14 Brake 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0000 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 1 1 29.8 38.4 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=10.0
1 1 4 2016 10 15 Tire 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0030 0.0030 0.0030
0.0030 0.0030 0.0090 0.0000 0.0020 0.0020
0.0020 0.0030 0.0030 0.0030 0.0030 0.0030
0.0090 0.0090 0.0010 0.0030 0.0030 0.0030
0.0020 0.0024 1 1 29.8 38.4 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=10.0
1 1 4 2016 1 12 SO2 0.0066 0.0086 0.0088
0.0115 0.0115 0.0160 0.0173 0.0174 0.0203
0.0200 0.0219 0.0231 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0254 0.0218 0.0153
0.0056 0.0092 1 1 29.8 38.4 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=10.0
1 1 4 2016 1 13 NH3 0.1009 0.1007 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0922 1 1 29.8 38.4 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=10.0
1 1 4 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=10.0
1 1 4 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 10.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=10.0
1 1 4 2016 1 1 VOC 0.392 0.238 0.290
0.611 0.670 0.711 0.688 0.602 0.678
0.675 0.741 0.789 0.000 0.135 0.112
0.252 0.277 0.346 0.382 0.455 0.561
0.620 0.709 3.690 1.326 0.541 0.821
0.348 0.413 1 1 29.8 38.4 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=10.0
1 1 4 2016 1 2 CO 11.880 9.405 9.908
13.422 13.712 17.043 20.582 20.088 23.457
23.220 27.582 29.377 0.000 1.282 0.559
0.592 0.586 0.896 0.973 0.914 1.130
1.404 1.784 26.999 32.313 3.223 2.178
0.860 10.476 1 1 29.8 38.4 6.8 30. 15. Yes
10.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=10.0
1 1 4 2016 1 3 NOX 0.365 0.240 0.352
0.769 1.039 0.665 0.722 0.592 0.688

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            0.682              0.755              0.805              0.000              0.132              0.081
            1.053              1.001              1.618              1.757              1.859              2.300
            2.527              3.204              1.582              1.682              7.105              5.219
            0.310              0.657          1          1          29.8      38.4       6.8       30.       15.     Yes
     10.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore City speED=10.0
 1    1         4       2016       1         4         CO2           368.1              479.3              479.3
            623.8              623.8              875.9              945.0              948.9             1107.4
           1090.0             1190.8             1254.8                0.0              314.1              460.4
            785.5              872.9              998.0             1030.4             1168.5             1351.4
           1544.5             1615.9              177.4             1375.8             2335.7             1646.1
            598.6              568.2          1          1          29.8      38.4       6.8       30.       15.     Yes
     10.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore City speED=10.0
 1    1         4       2016       3         1         Hot Soak      0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000          1          1          29.8      38.4       6.8       30.       15.     Yes
     10.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore City speED=10.0
 1    1         4       2016       4         1         Diurnal       0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000          1          1          29.8      38.4       6.8       30.       15.     Yes
     10.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore City speED=10.0
 1    1         4       2016       5         1         Resting       0.038              0.009              0.009
            0.030              0.030              0.037              0.037              0.038              0.038
            0.038              0.038              0.038              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.022              0.051              0.000              0.000
            0.000              0.020          1          1          29.8      38.4       6.8       30.       15.     Yes
     10.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore City speED=10.0
 1    1         4       2016       6         1         Running       0.132              0.070              0.070
            0.125              0.125              0.141              0.141              0.119              0.119
            0.119              0.119              0.119              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.248              0.000              0.000
            0.000              0.091          1          1          29.8      38.4       6.8       30.       15.     Yes
     10.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore City speED=10.0
 1    1         4       2016       7         1         Crankcase     0.008              0.009              0.009
            0.010              0.010              0.010              0.010              0.010              0.010
            0.010              0.010              0.010              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.009              0.000              0.000
            0.000              0.008          1          1          29.8      38.4       6.8       30.       15.     Yes
     10.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore City speED=10.0
 1    1         4       2016       8         1         Refueling     0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.000              0.000          NA                 NA
    NA                 NA                 NA                 NA                 NA                 NA
    NA                 NA                 0.000              0.000              NA                 NA
    NA                 NA                 1          1          29.8      38.4       6.8       30.       15.     Yes
     10.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore City speED=10.0
 1    1         4       2016      11         1         Total Evap                0.178              0.087
0.088       0.165              0.165              0.188              0.188              0.167              0.167
            0.167              0.167              0.167              0.000              0.000              0.000
            0.000              0.000              0.000              0.000              0.000              0.000
            0.000              0.000              0.022              0.307              0.000              0.000
            0.000              0.119          1          1          29.8      38.4       6.8       30.       15.     Yes
     10.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
    0.000     0.000     0.000      2.50      Baltimore City speED=10.0
 1    1         5       2016     VMT         0         VMT           0.2812             0.1014             0.3373
          0.1035             0.0476             0.0275             0.0010             0.0003             0.0010
          0.0020             0.0008             0.0000             0.0000             0.0000             0.0045
          0.0082             0.0025             0.0027             0.0013             0.0060             0.0087
          0.0103             0.0365             0.0024             0.0003             0.0037             0.0070
          0.0022         1          1          1          29.8      38.4       6.8       30.       15.     Yes        15.0
    No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
    0.000     0.000      2.50      Baltimore City speED=15.0
 1    1         5       2016       1        11            Lead       0.0000             0.0000             0.0000
          0.0000             0.0000             0.0000             0.0000             0.0000             0.0000
          0.0000             0.0000             0.0000             0.0000         NA         NA         NA         NA
    NA         NA         NA         NA         NA         NA           0.0000             0.0000             NA         NA
    NA             0.0000         1          1          29.8      38.4       6.8       30.       15.     Yes        15.0
    No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
    0.000     0.000      2.50      Baltimore City speED=15.0
 1    1         5       2016       1        10           GASPM       0.0035             0.0033             0.0033
          0.0034             0.0034             0.0155             0.0159             0.0142             0.0155
          0.0154             0.0163             0.0169             0.0000         NA         NA         NA         NA
    NA         NA         NA         NA         NA         NA           0.0142             0.0233             NA         NA
    NA             0.0035         1          1          29.8      38.4       6.8       30.       15.     Yes        15.0
    No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
    0.000     0.000      2.50      Baltimore City speED=15.0
 1    1         5       2016       1         9         ECARBON  NA         NA         NA         NA         NA         NA
    NA         NA         NA         NA         NA         NA         NA             0.0139             0.0045
0.0091      0.0072             0.0102             0.0102             0.0185             0.0182             0.0209
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            0.0312          NA        NA           0.0432              0.0647              0.0074              0.0024
        1         1          29.8      38.4       6.8       30.       15.     Yes        15.0     No         0.00      0.00
         0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore City speED=15.0
1         1         5       2016       1         8         OCARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0039            0.0065
0.0095      0.0075              0.0107              0.0106              0.0146              0.0143              0.0164
            0.0099          NA        NA           0.0340              0.0509              0.0106              0.0014
        1         1          29.8      38.4       6.8       30.       15.     Yes        15.0     No         0.00      0.00
         0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore City speED=15.0
1         1         5       2016       1         7             SO4      0.0005              0.0006              0.0006
            0.0006              0.0006              0.0013              0.0013              0.0013              0.0013
            0.0013              0.0013              0.0013              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0002              0.0012              0.0015              0.0011
            0.0003              0.0006           1         1          29.8      38.4       6.8       30.       15.     Yes
         15.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=15.0
1         1         5       2016       9        14             Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053           1         1          29.8      38.4       6.8       30.       15.     Yes
         15.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=15.0
1         1         5       2016      10        15              Tire      0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024           1         1          29.8      38.4       6.8       30.       15.     Yes
         15.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=15.0
1         1         5       2016       1        12              SO2      0.0066              0.0086              0.0088
            0.0115              0.0115              0.0160              0.0173              0.0174              0.0203
            0.0200              0.0219              0.0231              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0254              0.0218              0.0153
            0.0056              0.0092           1         1          29.8      38.4       6.8       30.       15.     Yes
         15.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=15.0
1         1         5       2016       1        13              NH3      0.1009              0.1007              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0922           1         1          29.8      38.4       6.8       30.       15.     Yes
         15.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=15.0
1         1         5       2016      MPG        0         MPG              24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1           1         1          29.8      38.4       6.8       30.       15.     Yes
         15.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=15.0
1         1         5       2016      VMT        0         VMT              0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022           1         1         1          29.8      38.4       6.8       30.       15.     Yes        15.0
        No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore City speED=15.0
1         1         5       2016       1         1         VOC              0.315               0.189               0.233
             0.493               0.542               0.498               0.483               0.424               0.477
             0.474               0.519               0.552               0.000               0.114               0.093
             0.202               0.222               0.278               0.306               0.365               0.450
             0.497               0.569               2.851               0.920               0.434               0.659
             0.292               0.329           1         1          29.8      38.4       6.8       30.       15.     Yes
         15.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=15.0
1         1         5       2016       1         2         CO              11.062               8.679               9.163
            12.281              12.556              11.980              14.468              14.121              16.489
            16.322              19.388              20.650               0.000               0.996               0.427
             0.427               0.423               0.646               0.702               0.659               0.816
             1.013               1.287              19.037              22.714               2.326               1.572
             0.665               9.514           1         1          29.8      38.4       6.8       30.       15.     Yes
         15.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=15.0
1         1         5       2016       1         3         NOX              0.315               0.205               0.304
             0.671               0.918               0.697               0.756               0.621               0.721
             0.715               0.791               0.844               0.000               0.114               0.070
             0.905               0.861               1.391               1.511               1.598               1.977
             2.185               2.777               1.603               1.763               6.095               4.478
             0.268               0.573           1         1          29.8      38.4       6.8       30.       15.     Yes
         15.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=15.0
1         1         5       2016       1         4         CO2              368.1               479.3               479.3
             623.8               623.8               875.9               945.0               948.9              1107.4
            1090.0              1190.8              1254.8                 0.0               314.1               460.4
             785.5               872.9               998.0              1030.4              1168.5              1351.4
```

1544.5 1615.9 177.4 1375.8 2335.7 1646.1
598.6 568.2 1 1 29.8 38.4 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=15.0
1 1 5 2016 3 1 Hot Soak 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=15.0
1 1 5 2016 4 1 Diurnal 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=15.0
1 1 5 2016 5 1 Resting 0.038 0.009 0.009
0.030 0.030 0.037 0.037 0.038 0.038
0.038 0.038 0.038 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.051 0.000 0.000
0.000 0.020 1 1 29.8 38.4 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=15.0
1 1 5 2016 6 1 Running 0.088 0.046 0.047
0.083 0.083 0.094 0.094 0.079 0.079
0.079 0.079 0.079 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.165 0.000 0.000
0.000 0.061 1 1 29.8 38.4 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=15.0
1 1 5 2016 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
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0.000 0.000 0.000 2.50 Baltimore City speED=15.0
1 1 5 2016 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
15.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=15.0
1 1 5 2016 11 1 Total Evap 0.134 0.064
0.064 0.123 0.123 0.141 0.141 0.127 0.127
0.127 0.127 0.127 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.224 0.000 0.000
0.000 0.089 1 1 29.8 38.4 6.8 30. 15. Yes
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0.000 0.000 0.000 2.50 Baltimore City speED=15.0
1 1 6 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 1 10 GASPM 0.0035 0.0033 0.0033
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0.0153 0.0163 0.0169 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0142 0.0233 NA NA
NA 0.0035 1 1 29.8 38.4 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0139 0.0045
0.0091 0.0072 0.0102 0.0102 0.0185 0.0182 0.0209
0.0312 NA NA 0.0432 0.0647 0.0074 0.0024
1 1 29.8 38.4 6.8 30. 15. Yes 20.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=20.0
1 1 6 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0039 0.0065
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0.0099 NA NA 0.0340 0.0509 0.0106 0.0014
1 1 29.8 38.4 6.8 30. 15. Yes 20.0 No 0.00 0.00

0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=20.0
1 1 6 2016 1 7 SO4 0.0005 0.0006 0.0006
0.0006 0.0006 0.0013 0.0013 0.0013 0.0013
0.0013 0.0013 0.0013 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0002 0.0012 0.0015 0.0011
0.0003 0.0006 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 9 14 Brake 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0000 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 10 15 Tire 0.0020 0.0020 0.0020
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0.0020 0.0030 0.0030 0.0030 0.0030 0.0030
0.0090 0.0090 0.0010 0.0030 0.0030 0.0030
0.0020 0.0024 1 1 29.8 38.4 6.8 30. 15. Yes
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0.000 0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 1 12 SO2 0.0066 0.0086 0.0088
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0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0254 0.0218 0.0153
0.0056 0.0092 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 1 13 NH3 0.1009 0.1007 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0922 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 20.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 1 1 VOC 0.276 0.165 0.205
0.434 0.478 0.372 0.361 0.319 0.356
0.354 0.386 0.410 0.000 0.098 0.080
0.166 0.182 0.228 0.251 0.300 0.369
0.408 0.467 2.464 0.678 0.356 0.540
0.252 0.284 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
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1 1 6 2016 1 2 CO 10.654 8.317 8.790
11.710 11.979 8.897 10.745 10.487 12.246
12.122 14.399 15.336 0.000 0.815 0.344
0.323 0.319 0.488 0.530 0.498 0.616
0.765 0.972 15.371 16.869 1.757 1.187
0.541 9.009 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 1 3 NOX 0.290 0.188 0.280
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0.806 0.767 1.239 1.346 1.423 1.760
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0.000 0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 1 4 CO2 368.1 479.3 479.3
623.8 623.8 875.9 945.0 948.9 1107.4
1090.0 1190.8 1254.8 0.0 314.1 460.4
785.5 872.9 998.0 1030.4 1168.5 1351.4
1544.5 1615.9 177.4 1375.8 2335.7 1646.1
598.6 568.2 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 3 1 Hot Soak 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
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0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000

0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 4 1 Diurnal 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
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1 1 6 2016 5 1 Resting 0.038 0.009 0.009
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0.038 0.038 0.038 0.000 0.000 0.000
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0.000 0.000 0.022 0.051 0.000 0.000
0.000 0.020 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
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1 1 6 2016 6 1 Running 0.066 0.035 0.035
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0.059 0.059 0.059 0.000 0.000 0.000
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0.000 0.046 1 1 29.8 38.4 6.8 30. 15. Yes
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0.000 0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 7 1 Crankcase 0.008 0.009 0.009
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0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=20.0
1 1 6 2016 8 1 Refueling 0.000 0.000 0.000
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0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
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1 1 6 2016 11 1 Total Evap 0.112 0.052
0.053 0.102 0.102 0.117 0.117 0.107 0.107
0.107 0.107 0.107 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.183 0.000 0.000
0.000 0.074 1 1 29.8 38.4 6.8 30. 15. Yes
20.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=20.0
1 1 7 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 1 10 GASPM 0.0035 0.0034 0.0034
0.0034 0.0034 0.0154 0.0157 0.0140 0.0153
0.0152 0.0161 0.0167 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0142 0.0231 NA NA
NA 0.0035 1 1 29.8 38.4 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA 0.0139 0.0045
0.0091 0.0072 0.0102 0.0102 0.0185 0.0182 0.0209
0.0312 NA NA 0.0432 0.0647 0.0074 0.0024
1 1 29.8 38.4 6.8 30. 15. Yes 25.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=25.0
1 1 7 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0039 0.0065
0.0095 0.0075 0.0107 0.0106 0.0146 0.0143 0.0164
0.0099 NA NA 0.0340 0.0509 0.0106 0.0014
1 1 29.8 38.4 6.8 30. 15. Yes 25.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=25.0
1 1 7 2016 1 7 SO4 0.0004 0.0005 0.0005
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0.0010 0.0011 0.0001 0.0014 0.0015 0.0011
0.0003 0.0006 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0

1 1 7 2016 9 14 Brake 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0000 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 10 15 Tire 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0030 0.0030 0.0030
0.0030 0.0030 0.0090 0.0000 0.0020 0.0020
0.0020 0.0030 0.0030 0.0030 0.0030 0.0030
0.0090 0.0090 0.0010 0.0030 0.0030 0.0030
0.0020 0.0024 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 1 12 SO2 0.0067 0.0086 0.0088
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0.0144 0.0151 0.0033 0.0253 0.0218 0.0153
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1 1 7 2016 1 13 NH3 0.1009 0.1007 0.1017
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0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0922 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 25.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 1 1 VOC 0.253 0.150 0.188
0.399 0.439 0.292 0.284 0.252 0.280
0.279 0.302 0.320 0.000 0.087 0.070
0.139 0.153 0.191 0.211 0.251 0.309
0.342 0.392 2.226 0.526 0.299 0.453
0.222 0.256 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 1 2 CO 10.425 8.111 8.580
11.400 11.665 6.981 8.431 8.229 9.609
9.511 11.298 12.034 0.000 0.698 0.290
0.255 0.252 0.386 0.419 0.393 0.487
0.605 0.768 13.124 13.236 1.388 0.938
0.460 8.719 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 1 3 NOX 0.275 0.177 0.265
0.594 0.821 0.761 0.826 0.678 0.787
0.781 0.864 0.922 0.000 0.095 0.058
0.744 0.708 1.143 1.242 1.313 1.624
1.811 2.311 1.787 1.925 4.993 3.671
0.222 0.497 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 1 4 CO2 368.1 479.3 479.3
623.8 623.8 875.9 945.0 948.9 1107.4
1090.0 1190.8 1254.8 0.0 314.1 460.4
785.5 872.9 998.0 1030.4 1168.5 1351.4
1544.5 1615.9 177.4 1375.8 2335.7 1646.1
598.6 568.2 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 3 1 Hot Soak 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 4 1 Diurnal 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes

25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 5 1 Resting 0.038 0.009 0.009
0.030 0.030 0.037 0.037 0.038 0.038
0.038 0.038 0.038 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.051 0.000 0.000
0.000 0.020 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 6 1 Running 0.053 0.028 0.028
0.050 0.050 0.057 0.057 0.048 0.048
0.048 0.048 0.048 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.099 0.000 0.000
0.000 0.037 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0
1 1 7 2016 11 1 Total Evap 0.098 0.045
0.046 0.090 0.090 0.103 0.103 0.095 0.095
0.095 0.095 0.095 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.158 0.000 0.000
0.000 0.065 1 1 29.8 38.4 6.8 30. 15. Yes
25.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=25.0
1 1 8 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=30
1 1 8 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=30
1 1 8 2016 1 10 GASPM 0.0036 0.0034 0.0034
0.0035 0.0035 0.0152 0.0155 0.0138 0.0151
0.0150 0.0159 0.0165 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0142 0.0230 NA NA
NA 0.0036 1 1 29.8 38.4 6.8 30. 15. Yes 30.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=30
1 1 8 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0139 0.0045
0.0091 0.0072 0.0102 0.0102 0.0185 0.0182 0.0209
0.0312 NA NA 0.0432 0.0647 0.0074 0.0024
1 1 29.8 38.4 6.8 30. 15. Yes 30.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=30
1 1 8 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0039 0.0065
0.0095 0.0075 0.0107 0.0106 0.0146 0.0143 0.0164
0.0099 NA NA 0.0340 0.0509 0.0106 0.0014
1 1 29.8 38.4 6.8 30. 15. Yes 30.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=30
1 1 8 2016 1 7 SO4 0.0003 0.0005 0.0005
0.0005 0.0005 0.0018 0.0018 0.0017 0.0017
0.0017 0.0017 0.0017 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0016 0.0015 0.0011
0.0003 0.0005 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=30
1 1 8 2016 9 14 Brake 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0000 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=30

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1         1         8       2016      10        15            Tire      0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=30
1         1         8       2016       1        12             SO2      0.0067              0.0086              0.0088
            0.0115              0.0115              0.0159              0.0171              0.0172              0.0202
            0.0199              0.0217              0.0229              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0252              0.0218              0.0153
            0.0056              0.0092          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=30
1         1         8       2016       1        13             NH3      0.1009              0.1007              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0922          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=30
1         1         8       2016      MPG        0         MPG           24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=30
1         1         8       2016      VMT        0         VMT      0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        30.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore City speED=30
1         1         8       2016       1         1         VOC       0.239               0.141               0.177
             0.379               0.418               0.240               0.233               0.209               0.230
             0.229               0.248               0.261               0.000               0.079               0.062
             0.119               0.131               0.164               0.181               0.215               0.265
             0.293               0.336               2.047               0.426               0.256               0.389
             0.199               0.239          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=30
1         1         8       2016       1         2          CO      10.356               8.054               8.525
            11.301              11.564               5.788               6.990               6.822               7.966
             7.885               9.367               9.976               0.000               0.622               0.254
             0.211               0.209               0.319               0.347               0.325               0.403
             0.500               0.635              11.499              10.973               1.148               0.776
             0.408               8.604          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=30
1         1         8       2016       1         3         NOX       0.265               0.170               0.256
             0.574               0.797               0.793               0.861               0.706               0.820
             0.814               0.900               0.961               0.000               0.091               0.055
             0.712               0.677               1.093               1.188               1.255               1.553
             1.736               2.217               1.882               2.006               4.771               3.507
             0.213               0.481          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=30
1         1         8       2016       1         4         CO2       368.1               479.3               479.3
             623.8               623.8               875.9               945.0               948.9              1107.4
            1090.0              1190.8              1254.8                 0.0               314.1               460.4
             785.5               872.9               998.0              1030.4              1168.5              1351.4
            1544.5              1615.9               177.4              1375.8              2335.7              1646.1
             598.6               568.2          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=30
1         1         8       2016       3         1        Hot Soak      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=30
1         1         8       2016       4         1        Diurnal      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         30.0     No         0.00      0.00      0.00      0.00      0.00      0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=30
1         1         8       2016       5         1        Resting      0.038               0.009               0.009
             0.030               0.030               0.037               0.037               0.038               0.038
             0.038               0.038               0.038               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.051               0.000               0.000
             0.000               0.020          1         1          29.8      38.4       6.8       30.       15.     Yes
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30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=30
1 1 8 2016 6 1 Running 0.044 0.023 0.023
0.042 0.042 0.047 0.047 0.040 0.040
0.040 0.040 0.040 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.083 0.000 0.000
0.000 0.030 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=30
1 1 8 2016 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=30
1 1 8 2016 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=30
1 1 8 2016 11 1 Total Evap 0.089 0.041
0.041 0.081 0.081 0.094 0.094 0.087 0.087
0.087 0.087 0.087 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.142 0.000 0.000
0.000 0.059 1 1 29.8 38.4 6.8 30. 15. Yes
30.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=30
1 1 9 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 35.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 35.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 1 10 GASPM 0.0037 0.0035 0.0035
0.0035 0.0035 0.0150 0.0154 0.0136 0.0149
0.0148 0.0157 0.0164 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0142 0.0228 NA NA
NA 0.0036 1 1 29.8 38.4 6.8 30. 15. Yes 35.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA 0.0139 0.0045
0.0091 0.0072 0.0102 0.0102 0.0185 0.0182 0.0209
0.0312 NA NA 0.0432 0.0647 0.0074 0.0024
1 1 29.8 38.4 6.8 30. 15. Yes 35.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=35
1 1 9 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0039 0.0065
0.0095 0.0075 0.0107 0.0106 0.0146 0.0143 0.0164
0.0099 NA NA 0.0340 0.0509 0.0106 0.0014
1 1 29.8 38.4 6.8 30. 15. Yes 35.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=35
1 1 9 2016 1 7 SO4 0.0002 0.0004 0.0004
0.0004 0.0004 0.0020 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0018 0.0015 0.0011
0.0003 0.0005 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 9 14 Brake 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0000 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 10 15 Tire 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0030 0.0030 0.0030
0.0030 0.0030 0.0090 0.0000 0.0020 0.0030
0.0020 0.0030 0.0030 0.0030 0.0030 0.0030
0.0090 0.0090 0.0010 0.0030 0.0030 0.0030
0.0020 0.0024 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35

1 1 9 2016 1 12 SO2 0.0067 0.0087 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0201
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0218 0.0153
0.0056 0.0092 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 1 13 NH3 0.1009 0.1007 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0922 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 35.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 1 1 VOC 0.230 0.136 0.172
0.365 0.403 0.205 0.200 0.180 0.197
0.196 0.211 0.222 0.000 0.072 0.057
0.104 0.115 0.144 0.158 0.189 0.232
0.257 0.294 1.908 0.359 0.224 0.341
0.183 0.227 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 1 2 CO 10.402 8.096 8.575
11.376 11.641 5.069 6.122 5.975 6.977
6.907 8.204 8.738 0.000 0.573 0.232
0.183 0.181 0.276 0.300 0.282 0.349
0.433 0.550 10.294 9.612 0.994 0.672
0.375 8.615 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 1 3 NOX 0.260 0.167 0.252
0.567 0.788 0.825 0.896 0.735 0.854
0.847 0.937 0.999 0.000 0.090 0.055
0.705 0.670 1.083 1.177 1.244 1.539
1.721 2.198 1.954 2.088 4.726 3.475
0.211 0.476 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 1 4 CO2 368.1 479.3 479.3
623.8 623.8 875.9 945.0 948.9 1107.4
1090.0 1190.8 1254.8 0.0 314.1 460.4
785.5 872.9 998.0 1030.4 1168.5 1351.4
1544.5 1615.9 177.4 1375.8 2335.7 1646.1
598.6 568.2 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 3 1 Hot Soak 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 4 1 Diurnal 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 5 1 Resting 0.038 0.009 0.009
0.030 0.030 0.037 0.037 0.038 0.038
0.038 0.038 0.038 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.051 0.000 0.000
0.000 0.020 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 6 1 Running 0.038 0.020 0.020
0.036 0.036 0.040 0.040 0.034 0.034
0.034 0.034 0.034 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.071 0.000 0.000
0.000 0.026 1 1 29.8 38.4 6.8 30. 15. Yes

35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 9 2016 11 1 Total Evap 0.083 0.037
0.038 0.075 0.075 0.087 0.087 0.082 0.082
0.082 0.082 0.082 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.130 0.000 0.000
0.000 0.054 1 1 29.8 38.4 6.8 30. 15. Yes
35.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=35
1 1 10 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 40.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=40
1 1 10 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 40.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=40
1 1 10 2016 1 10 GASPM 0.0037 0.0035 0.0035
0.0035 0.0035 0.0150 0.0154 0.0136 0.0149
0.0148 0.0157 0.0164 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0142 0.0228 NA NA
NA 0.0036 1 1 29.8 38.4 6.8 30. 15. Yes 40.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=40
1 1 10 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0139 0.0045
0.0091 0.0072 0.0102 0.0102 0.0185 0.0182 0.0209
0.0312 NA NA 0.0432 0.0647 0.0074 0.0024
1 1 29.8 38.4 6.8 30. 15. Yes 40.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=40
1 1 10 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0039 0.0065
0.0095 0.0075 0.0107 0.0106 0.0146 0.0143 0.0164
0.0099 NA NA 0.0340 0.0509 0.0106 0.0014
1 1 29.8 38.4 6.8 30. 15. Yes 40.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=40
1 1 10 2016 1 7 SO4 0.0002 0.0004 0.0004
0.0004 0.0004 0.0020 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0018 0.0015 0.0011
0.0003 0.0005 1 1 29.8 38.4 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=40
1 1 10 2016 9 14 Brake 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0000 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 1 1 29.8 38.4 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=40
1 1 10 2016 10 15 Tire 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0030 0.0030 0.0030
0.0030 0.0030 0.0090 0.0000 0.0020 0.0020
0.0020 0.0030 0.0030 0.0030 0.0030 0.0030
0.0090 0.0090 0.0010 0.0030 0.0030 0.0030
0.0020 0.0024 1 1 29.8 38.4 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=40
1 1 10 2016 1 12 SO2 0.0067 0.0087 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0201
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0218 0.0153
0.0056 0.0092 1 1 29.8 38.4 6.8 30. 15. Yes
40.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=40

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1         1        10       2016       1        13             NH3      0.1009              0.1007              0.1017
          0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
          0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
          0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
          0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
          0.0068              0.0922          1         1          29.8      38.4       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=40
1         1        10       2016      MPG       0         MPG            24.1                18.5                18.5
     14.2                14.2                10.1                 9.4                 9.3                 8.0
      8.1                 7.4                 7.1                 0.0                32.4                22.1
     13.0                11.7                10.2                 9.9                 8.7                 7.5
      6.6                 6.3                50.0                 6.4                 4.4                 6.2
     17.0                16.1          1         1          29.8      38.4       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=40
1         1        10       2016      VMT       0         VMT          0.2812              0.1014              0.3373
          0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
          0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
          0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
          0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
          0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        40.0
No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
0.000     0.000      2.50      Baltimore City speED=40
1         1        10       2016       1         1         VOC           0.226               0.134               0.171
     0.360               0.397               0.181               0.177               0.160               0.174
     0.174               0.186               0.195               0.000               0.068               0.052
     0.093               0.103               0.129               0.142               0.169               0.208
     0.230               0.264               1.810               0.314               0.201               0.305
     0.171               0.221          1         1          29.8      38.4       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=40
1         1        10       2016       1         2         CO           10.679               8.352               8.848
    11.757              12.028               4.691               5.666               5.530               6.457
     6.392               7.592               8.087               0.000               0.543               0.218
     0.165               0.164               0.250               0.272               0.255               0.316
     0.392               0.498               9.457               8.895               0.901               0.609
     0.354               8.850          1         1          29.8      38.4       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=40
1         1        10       2016       1         3         NOX           0.265               0.171               0.256
     0.574               0.794               0.857               0.931               0.763               0.887
     0.880               0.973               1.038               0.000               0.093               0.056
     0.724               0.688               1.112               1.208               1.277               1.580
     1.764               2.252               2.003               2.169               4.854               3.569
     0.216               0.487          1         1          29.8      38.4       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=40
1         1        10       2016       1         4         CO2           368.1               479.3               479.3
     623.8               623.8               875.9               945.0               948.9              1107.4
    1090.0              1190.8              1254.8                 0.0               314.1               460.4
     785.5               872.9               998.0              1030.4              1168.5              1351.4
    1544.5              1615.9               177.4              1375.8              2335.7              1646.1
     598.6               568.2          1         1          29.8      38.4       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=40
1         1        10       2016       3         1        Hot Soak       0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=40
1         1        10       2016       4         1        Diurnal        0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=40
1         1        10       2016       5         1        Resting        0.038               0.009               0.009
     0.030               0.030               0.037               0.037               0.038               0.038
     0.038               0.038               0.038               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.022               0.051               0.000               0.000
     0.000               0.020          1         1          29.8      38.4       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=40
1         1        10       2016       6         1        Running        0.033               0.017               0.017
     0.031               0.031               0.035               0.035               0.030               0.030
     0.030               0.030               0.030               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.000               0.062               0.000               0.000
     0.000               0.023          1         1          29.8      38.4       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=40
1         1        10       2016       7         1        Crankcase      0.008               0.009               0.009
     0.010               0.010               0.010               0.010               0.010               0.010
     0.010               0.010               0.010               0.000               0.000               0.000
     0.000               0.000               0.000               0.000               0.000               0.000
     0.000               0.000               0.000               0.009               0.000               0.000
     0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
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 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=40
1         1         10       2016       8         1        Refueling      0.000               0.000               0.000
    0.000               0.000               0.000               0.000               0.000               0.000
    0.000               0.000               0.000               0.000           NA                  NA
NA                  NA                  NA                  NA                  NA                  NA
NA                  NA                  0.000               0.000               NA                  NA
NA                  NA                  1         1          29.8      38.4       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=40
1         1         10       2016      11         1        Total Evap               0.078               0.035
0.035       0.071               0.071               0.082               0.082               0.078               0.078
    0.078               0.078               0.078               0.000               0.000               0.000
    0.000               0.000               0.000               0.000               0.000               0.000
    0.000               0.000               0.022               0.121               0.000               0.000
    0.000               0.051         1         1          29.8      38.4       6.8       30.       15.     Yes
 40.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=40
1         1         11       2016      VMT       0         VMT          0.2812              0.1014              0.3373
    0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
    0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
    0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
    0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
    0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        45.0
No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
0.000     0.000      2.50      Baltimore City speED=45.
1         1         11       2016       1        11            Lead      0.0000              0.0000              0.0000
    0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
    0.0000              0.0000              0.0000              0.0000           NA        NA        NA        NA
NA        NA        NA        NA        NA        NA          0.0000              0.0000           NA        NA
NA            0.0000         1         1          29.8      38.4       6.8       30.       15.     Yes        45.0
No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
0.000     0.000      2.50      Baltimore City speED=45.
1         1         11       2016       1        10           GASPM      0.0037              0.0035              0.0035
    0.0035              0.0035              0.0150              0.0154              0.0136              0.0149
    0.0148              0.0157              0.0164              0.0000           NA        NA        NA        NA
NA        NA        NA        NA        NA        NA          0.0142              0.0228           NA        NA
NA            0.0036         1         1          29.8      38.4       6.8       30.       15.     Yes        45.0
No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
0.000     0.000      2.50      Baltimore City speED=45.
1         1         11       2016       1         9         ECARBON  NA        NA        NA        NA        NA        NA
NA        NA        NA        NA        NA        NA        NA            0.0139              0.0045
0.0091      0.0072              0.0102              0.0102              0.0185              0.0182              0.0209
    0.0312          NA        NA          0.0432              0.0647              0.0074              0.0024
1         1          29.8      38.4       6.8       30.       15.     Yes        45.0     No         0.00      0.00
 0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
 Baltimore City speED=45.
1         1         11       2016       1         8         OCARBON  NA        NA        NA        NA        NA        NA
NA        NA        NA        NA        NA        NA        NA            0.0039              0.0065
0.0095      0.0075              0.0107              0.0106              0.0146              0.0143              0.0164
    0.0099          NA        NA          0.0340              0.0509              0.0106              0.0014
1         1          29.8      38.4       6.8       30.       15.     Yes        45.0     No         0.00      0.00
 0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
 Baltimore City speED=45.
1         1         11       2016       1         7             SO4      0.0002              0.0004              0.0004
    0.0004              0.0004              0.0020              0.0020              0.0020              0.0020
    0.0020              0.0020              0.0020              0.0000              0.0002              0.0002
    0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
    0.0010              0.0011              0.0001              0.0018              0.0015              0.0011
    0.0003              0.0005         1         1          29.8      38.4       6.8       30.       15.     Yes
 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=45.
1         1         11       2016       9        14           Brake      0.0053              0.0053              0.0053
    0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
    0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
    0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
    0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
    0.0053              0.0053         1         1          29.8      38.4       6.8       30.       15.     Yes
 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=45.
1         1         11       2016      10        15            Tire      0.0020              0.0020              0.0020
    0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
    0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
    0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
    0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
    0.0020              0.0024         1         1          29.8      38.4       6.8       30.       15.     Yes
 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=45.
1         1         11       2016       1        12             SO2      0.0067              0.0087              0.0088
    0.0115              0.0115              0.0158              0.0171              0.0172              0.0201
    0.0198              0.0217              0.0229              0.0000              0.0029              0.0043
    0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
    0.0144              0.0151              0.0033              0.0252              0.0218              0.0153
    0.0056              0.0092         1         1          29.8      38.4       6.8       30.       15.     Yes
 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=45.
1         1         11       2016       1        13             NH3      0.1009              0.1007              0.1017
    0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
    0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
    0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
    0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
    0.0068              0.0922         1         1          29.8      38.4       6.8       30.       15.     Yes
 45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
0.000     0.000     0.000      2.50      Baltimore City speED=45.
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1         1        11       2016      MPG       0         MPG             24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1          1         1          29.8      38.4       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=45.
1         1        11       2016      VMT       0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        45.0
        No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore City speED=45.
1         1        11       2016         1         1         VOC           0.223               0.133               0.171
             0.356               0.392               0.165               0.161               0.146               0.159
             0.158               0.169               0.177               0.000               0.064               0.049
             0.086               0.094               0.118               0.130               0.155               0.191
             0.211               0.241               1.754               0.283               0.184               0.279
             0.162               0.217          1         1          29.8      38.4       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=45.
1         1        11       2016         1         2         CO           10.957               8.608               9.122
            12.139              12.416               4.587               5.540               5.407               6.313
             6.249               7.423               7.907               0.000               0.528               0.211
             0.157               0.155               0.237               0.258               0.242               0.299
             0.372               0.473               8.929               8.697               0.854               0.577
             0.344               9.097          1         1          29.8      38.4       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=45.
1         1        11       2016         1         3         NOX           0.272               0.176               0.262
             0.584               0.803               0.889               0.965               0.792               0.920
             0.913               1.010               1.077               0.000               0.098               0.059
             0.770               0.732               1.183               1.285               1.358               1.681
             1.871               2.386               2.040               2.250               5.169               3.800
             0.229               0.505          1         1          29.8      38.4       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=45.
1         1        11       2016         1         4         CO2           368.1               479.3               479.3
             623.8               623.8               875.9               945.0               948.9              1107.4
            1090.0              1190.8              1254.8                 0.0               314.1               460.4
             785.5               872.9               998.0              1030.4              1168.5              1351.4
            1544.5              1615.9               177.4              1375.8              2335.7              1646.1
             598.6               568.2          1         1          29.8      38.4       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=45.
1         1        11       2016         3         1        Hot Soak       0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=45.
1         1        11       2016         4         1        Diurnal        0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=45.
1         1        11       2016         5         1        Resting        0.038               0.009               0.009
             0.030               0.030               0.037               0.037               0.038               0.038
             0.038               0.038               0.038               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.051               0.000               0.000
             0.000               0.020          1         1          29.8      38.4       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=45.
1         1        11       2016         6         1        Running        0.029               0.015               0.016
             0.028               0.028               0.031               0.031               0.026               0.026
             0.026               0.026               0.026               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.055               0.000               0.000
             0.000               0.020          1         1          29.8      38.4       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=45.
1         1        11       2016         7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.010               0.010
             0.010               0.010               0.010               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.009               0.000               0.000
             0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
         45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=45.
1         1        11       2016         8         1        Refueling      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000          NA                  NA
        NA                  NA                  NA                  NA                  NA                  NA
        NA                  NA                      0.000               0.000          NA                  NA
        NA                  NA                  1         1          29.8      38.4       6.8       30.       15.     Yes
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          45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=45.
 1         1        11       2016       11         1        Total Evap              0.075              0.033
0.033          0.068              0.068              0.078              0.078              0.074              0.074
               0.074              0.074              0.074              0.000              0.000              0.000
               0.000              0.000              0.000              0.000              0.000              0.000
               0.000              0.000              0.022              0.114              0.000              0.000
               0.000              0.048          1         1         29.8      38.4       6.8       30.       15.     Yes
          45.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=45.
 1         1        12       2016      VMT        0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1         1         29.8      38.4       6.8       30.       15.     Yes        50.0
         No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
         0.000     0.000      2.50      Baltimore City speED=50
 1         1        12       2016       1        11            Lead      0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
         NA        NA        NA        NA        NA        NA           0.0000              0.0000          NA        NA
         NA            0.0000          1         1         29.8      38.4       6.8       30.       15.     Yes        50.0
         No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
         0.000     0.000      2.50      Baltimore City speED=50
 1         1        12       2016       1        10           GASPM      0.0037              0.0035              0.0035
            0.0035              0.0035              0.0150              0.0154              0.0136              0.0149
            0.0148              0.0157              0.0164              0.0000          NA        NA        NA        NA
         NA        NA        NA        NA        NA        NA           0.0142              0.0228          NA        NA
         NA            0.0036          1         1         29.8      38.4       6.8       30.       15.     Yes        50.0
         No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
         0.000     0.000      2.50      Baltimore City speED=50
 1         1        12       2016       1         9         ECARBON  NA        NA        NA        NA        NA        NA
         NA        NA        NA        NA        NA        NA        NA           0.0139              0.0045
0.0091          0.0072              0.0102              0.0102              0.0185              0.0182              0.0209
            0.0312          NA        NA              0.0432              0.0647              0.0074              0.0024
         1         1         29.8      38.4       6.8       30.       15.     Yes        50.0     No         0.00      0.00
          0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
          Baltimore City speED=50
 1         1        12       2016       1         8         OCARBON  NA        NA        NA        NA        NA        NA
         NA        NA        NA        NA        NA        NA        NA           0.0039              0.0065
0.0095          0.0075              0.0107              0.0106              0.0146              0.0143              0.0164
            0.0099          NA        NA              0.0340              0.0509              0.0106              0.0014
         1         1         29.8      38.4       6.8       30.       15.     Yes        50.0     No         0.00      0.00
          0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
          Baltimore City speED=50
 1         1        12       2016       1         7             SO4      0.0002              0.0004              0.0004
            0.0004              0.0004              0.0020              0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0001              0.0018              0.0015              0.0011
            0.0003              0.0005          1         1         29.8      38.4       6.8       30.       15.     Yes
          50.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=50
 1         1        12       2016       9        14           Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053          1         1         29.8      38.4       6.8       30.       15.     Yes
          50.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=50
 1         1        12       2016      10        15            Tire      0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024          1         1         29.8      38.4       6.8       30.       15.     Yes
          50.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=50
 1         1        12       2016       1        12             SO2      0.0067              0.0087              0.0088
            0.0115              0.0115              0.0158              0.0171              0.0172              0.0201
            0.0198              0.0217              0.0229              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0252              0.0218              0.0153
            0.0056              0.0092          1         1         29.8      38.4       6.8       30.       15.     Yes
          50.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=50
 1         1        12       2016       1        13             NH3      0.1009              0.1007              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0922          1         1         29.8      38.4       6.8       30.       15.     Yes
          50.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=50
 1         1        12       2016      MPG        0         MPG          24.1               18.5               18.5
              14.2               14.2               10.1                9.4                9.3                8.0
               8.1                7.4                7.1                0.0               32.4               22.1
              13.0               11.7               10.2                9.9                8.7                7.5
               6.6                6.3               50.0                6.4                4.4                6.2
              17.0               16.1          1         1         29.8      38.4       6.8       30.       15.     Yes
          50.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=50
```

1 1 12 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 50.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=50
1 1 12 2016 1 1 VOC 0.220 0.132 0.171
0.351 0.386 0.153 0.149 0.136 0.148
0.147 0.157 0.165 0.000 0.062 0.047
0.080 0.088 0.110 0.122 0.145 0.179
0.197 0.226 1.736 0.261 0.172 0.261
0.156 0.214 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=50
1 1 12 2016 1 2 CO 11.234 8.864 9.396
12.521 12.804 4.739 5.723 5.585 6.522
6.456 7.669 8.168 0.000 0.526 0.210
0.156 0.154 0.235 0.256 0.240 0.297
0.369 0.469 8.713 8.984 0.847 0.573
0.343 9.356 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=50
1 1 12 2016 1 3 NOX 0.279 0.181 0.268
0.593 0.812 0.921 1.000 0.820 0.953
0.946 1.046 1.116 0.000 0.108 0.065
0.849 0.807 1.304 1.416 1.497 1.853
2.053 2.613 2.156 2.331 5.707 4.194
0.252 0.531 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=50
1 1 12 2016 1 4 CO2 368.1 479.3 479.3
623.8 623.8 875.9 945.0 948.9 1107.4
1090.0 1190.8 1254.8 0.0 314.1 460.4
785.5 872.9 998.0 1030.4 1168.5 1351.4
1544.5 1615.9 177.4 1375.8 2335.7 1646.1
598.6 568.2 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=50
1 1 12 2016 3 1 Hot Soak 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=50
1 1 12 2016 4 1 Diurnal 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=50
1 1 12 2016 5 1 Resting 0.038 0.009 0.009
0.030 0.030 0.037 0.037 0.038 0.038
0.038 0.038 0.038 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.051 0.000 0.000
0.000 0.020 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=50
1 1 12 2016 6 1 Running 0.025 0.013 0.013
0.024 0.024 0.027 0.027 0.023 0.023
0.023 0.023 0.023 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.047 0.000 0.000
0.000 0.017 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=50
1 1 12 2016 7 1 Crankcase 0.008 0.009 0.009
0.010 0.010 0.010 0.010 0.010 0.010
0.010 0.010 0.010 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.009 0.000 0.000
0.000 0.008 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=50
1 1 12 2016 8 1 Refueling 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 NA NA
NA NA NA NA NA NA
NA NA 0.000 0.000 NA NA
NA NA 1 1 29.8 38.4 6.8 30. 15. Yes
50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=50
1 1 12 2016 11 1 Total Evap 0.071 0.031
0.031 0.064 0.064 0.074 0.074 0.071 0.071
0.071 0.071 0.071 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.022 0.107 0.000 0.000
0.000 0.046 1 1 29.8 38.4 6.8 30. 15. Yes

50.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=50
1 1 13 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 55.0
No 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=55
1 1 13 2016 1 11 Lead 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0000 0.0000 NA NA
NA 0.0000 1 1 29.8 38.4 6.8 30. 15. Yes 55.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=55
1 1 13 2016 1 10 GASPM 0.0037 0.0035 0.0035
0.0035 0.0035 0.0150 0.0154 0.0136 0.0149
0.0148 0.0157 0.0164 0.0000 NA NA NA NA
NA NA NA NA NA NA 0.0142 0.0228 NA NA
NA 0.0036 1 1 29.8 38.4 6.8 30. 15. Yes 55.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=55
1 1 13 2016 1 9 ECARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0139 0.0045
0.0091 0.0072 0.0102 0.0102 0.0185 0.0182 0.0209
0.0312 NA NA 0.0432 0.0647 0.0074 0.0024
1 1 29.8 38.4 6.8 30. 15. Yes 55.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=55
1 1 13 2016 1 8 OCARBON NA NA NA NA NA NA
NA NA NA NA NA NA NA 0.0039 0.0065
0.0095 0.0075 0.0107 0.0106 0.0146 0.0143 0.0164
0.0099 NA NA 0.0340 0.0509 0.0106 0.0014
1 1 29.8 38.4 6.8 30. 15. Yes 55.0 No 0.00 0.00
0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 2.50
Baltimore City speED=55
1 1 13 2016 1 7 SO4 0.0002 0.0004 0.0004
0.0004 0.0004 0.0020 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0000 0.0002 0.0002
0.0005 0.0006 0.0007 0.0007 0.0008 0.0009
0.0010 0.0011 0.0001 0.0018 0.0015 0.0011
0.0003 0.0005 1 1 29.8 38.4 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=55
1 1 13 2016 9 14 Brake 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0000 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 0.0053 0.0053 0.0053 0.0053
0.0053 0.0053 1 1 29.8 38.4 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=55
1 1 13 2016 10 15 Tire 0.0020 0.0020 0.0020
0.0020 0.0020 0.0020 0.0030 0.0030 0.0030
0.0030 0.0030 0.0090 0.0000 0.0020 0.0020
0.0020 0.0030 0.0030 0.0030 0.0030 0.0030
0.0090 0.0090 0.0010 0.0030 0.0030 0.0030
0.0020 0.0024 1 1 29.8 38.4 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=55
1 1 13 2016 1 12 SO2 0.0067 0.0087 0.0088
0.0115 0.0115 0.0158 0.0171 0.0172 0.0201
0.0198 0.0217 0.0229 0.0000 0.0029 0.0043
0.0073 0.0081 0.0093 0.0096 0.0109 0.0126
0.0144 0.0151 0.0033 0.0252 0.0218 0.0153
0.0056 0.0092 1 1 29.8 38.4 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=55
1 1 13 2016 1 13 NH3 0.1009 0.1007 0.1017
0.1017 0.1017 0.0451 0.0451 0.0451 0.0451
0.0451 0.0451 0.0451 0.0000 0.0068 0.0068
0.0270 0.0270 0.0270 0.0270 0.0270 0.0270
0.0270 0.0270 0.0113 0.0451 0.0270 0.0270
0.0068 0.0922 1 1 29.8 38.4 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=55
1 1 13 2016 MPG 0 MPG 24.1 18.5 18.5
14.2 14.2 10.1 9.4 9.3 8.0
8.1 7.4 7.1 0.0 32.4 22.1
13.0 11.7 10.2 9.9 8.7 7.5
6.6 6.3 50.0 6.4 4.4 6.2
17.0 16.1 1 1 29.8 38.4 6.8 30. 15. Yes
55.0 No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 2.50 Baltimore City speED=55
1 1 13 2016 VMT 0 VMT 0.2812 0.1014 0.3373
0.1035 0.0476 0.0275 0.0010 0.0003 0.0010
0.0020 0.0008 0.0000 0.0000 0.0000 0.0045
0.0082 0.0025 0.0027 0.0013 0.0060 0.0087
0.0103 0.0365 0.0024 0.0003 0.0037 0.0070
0.0022 1 1 1 29.8 38.4 6.8 30. 15. Yes 55.0
No 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 2.50 Baltimore City speED=55

```
1         1         13       2016       1         1         VOC           0.216               0.131               0.170
             0.347               0.381               0.144               0.141               0.129               0.140
             0.140               0.149               0.156               0.000               0.061               0.046
             0.077               0.084               0.106               0.116               0.139               0.171
             0.189               0.216               1.736               0.245               0.165               0.250
             0.152               0.211           1         1          29.8      38.4       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=55
1         1         13       2016       1         2         CO           11.512               9.120               9.670
            12.902              13.191               5.172               6.246               6.096               7.118
             7.046               8.370               8.915               0.000               0.536               0.215
             0.162               0.160               0.244               0.266               0.249               0.309
             0.383               0.487               8.713               9.806               0.880               0.595
             0.350               9.627           1         1          29.8      38.4       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=55
1         1         13       2016       1         3         NOX           0.286               0.186               0.274
             0.604               0.822               0.953               1.035               0.849               0.986
             0.979               1.083               1.155               0.000               0.122               0.074
             0.969               0.921               1.489               1.617               1.710               2.116
             2.332               2.961               2.380               2.412               6.530               4.797
             0.286               0.567           1         1          29.8      38.4       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=55
1         1         13       2016       1         4         CO2           368.1               479.3               479.3
             623.8               623.8               875.9               945.0               948.9              1107.4
            1090.0              1190.8              1254.8                 0.0               314.1               460.4
             785.5               872.9               998.0              1030.4              1168.5              1351.4
            1544.5              1615.9               177.4              1375.8              2335.7              1646.1
             598.6               568.2           1         1          29.8      38.4       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=55
1         1         13       2016       3         1         Hot Soak      0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000           1         1          29.8      38.4       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=55
1         1         13       2016       4         1         Diurnal       0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000           1         1          29.8      38.4       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=55
1         1         13       2016       5         1         Resting       0.038               0.009               0.009
             0.030               0.030               0.037               0.037               0.038               0.038
             0.038               0.038               0.038               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.051               0.000               0.000
             0.000               0.020           1         1          29.8      38.4       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=55
1         1         13       2016       6         1         Running       0.021               0.011               0.011
             0.020               0.020               0.022               0.022               0.019               0.019
             0.019               0.019               0.019               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.039               0.000               0.000
             0.000               0.014           1         1          29.8      38.4       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=55
1         1         13       2016       7         1         Crankcase     0.008               0.009               0.009
             0.010               0.010               0.010               0.010               0.010               0.010
             0.010               0.010               0.010               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.009               0.000               0.000
             0.000               0.008           1         1          29.8      38.4       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=55
1         1         13       2016       8         1         Refueling     0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.000               0.000          NA                  NA
         NA                  NA                  NA                  NA                  NA                  NA
         NA                  NA                  0.000               0.000               NA                  NA
         NA                  NA                  1         1          29.8      38.4       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=55
1         1         13       2016      11         1         Total Evap                0.066               0.029
0.029        0.060               0.060               0.069               0.069               0.067               0.067
             0.067               0.067               0.067               0.000               0.000               0.000
             0.000               0.000               0.000               0.000               0.000               0.000
             0.000               0.000               0.022               0.099               0.000               0.000
             0.000               0.043           1         1          29.8      38.4       6.8       30.       15.     Yes
          55.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=55
1         1         14       2016     VMT         0         VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022          1         1         1          29.8      38.4       6.8       30.       15.     Yes        60.0
```

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        No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore City speED=60
 1        1        14       2016       1        11            Lead      0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000              0.0000              0.0000
            0.0000              0.0000              0.0000              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA            0.0000              0.0000              NA        NA
        NA            0.0000         1         1         29.8      38.4       6.8       30.       15.     Yes        60.0
        No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore City speED=60
 1        1        14       2016       1        10           GASPM      0.0037              0.0035              0.0035
            0.0035              0.0035              0.0150              0.0154              0.0136              0.0149
            0.0148              0.0157              0.0164              0.0000          NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA            0.0142              0.0228              NA        NA
        NA            0.0036         1         1         29.8      38.4       6.8       30.       15.     Yes        60.0
        No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000      2.50      Baltimore City speED=60
 1        1        14       2016       1         9         ECARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0139              0.0045
0.0091      0.0072              0.0102              0.0102              0.0185              0.0182              0.0209
            0.0312          NA        NA            0.0432              0.0647              0.0074              0.0024
        1        1         29.8      38.4       6.8       30.       15.     Yes        60.0     No        0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore City speED=60
 1        1        14       2016       1         8         OCARBON  NA        NA        NA        NA        NA        NA
        NA        NA        NA        NA        NA        NA        NA            0.0039              0.0065
0.0095      0.0075              0.0107              0.0106              0.0146              0.0143              0.0164
            0.0099          NA        NA            0.0340              0.0509              0.0106              0.0014
        1        1         29.8      38.4       6.8       30.       15.     Yes        60.0     No        0.00      0.00
         0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000      2.50
         Baltimore City speED=60
 1        1        14       2016       1         7             SO4      0.0002              0.0004              0.0004
            0.0004              0.0004              0.0020              0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0000              0.0002              0.0002
            0.0005              0.0006              0.0007              0.0007              0.0008              0.0009
            0.0010              0.0011              0.0001              0.0018              0.0015              0.0011
            0.0003              0.0005         1         1         29.8      38.4       6.8       30.       15.     Yes
         60.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=60
 1        1        14       2016       9        14           Brake      0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0000              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053              0.0053              0.0053              0.0053              0.0053
            0.0053              0.0053         1         1         29.8      38.4       6.8       30.       15.     Yes
         60.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=60
 1        1        14       2016      10        15            Tire      0.0020              0.0020              0.0020
            0.0020              0.0020              0.0020              0.0030              0.0030              0.0030
            0.0030              0.0030              0.0090              0.0000              0.0020              0.0020
            0.0020              0.0030              0.0030              0.0030              0.0030              0.0030
            0.0090              0.0090              0.0010              0.0030              0.0030              0.0030
            0.0020              0.0024         1         1         29.8      38.4       6.8       30.       15.     Yes
         60.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=60
 1        1        14       2016       1        12             SO2      0.0067              0.0087              0.0088
            0.0115              0.0115              0.0158              0.0171              0.0172              0.0201
            0.0198              0.0217              0.0229              0.0000              0.0029              0.0043
            0.0073              0.0081              0.0093              0.0096              0.0109              0.0126
            0.0144              0.0151              0.0033              0.0252              0.0218              0.0153
            0.0056              0.0092         1         1         29.8      38.4       6.8       30.       15.     Yes
         60.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=60
 1        1        14       2016       1        13            NH3      0.1009              0.1007              0.1017
            0.1017              0.1017              0.0451              0.0451              0.0451              0.0451
            0.0451              0.0451              0.0451              0.0000              0.0068              0.0068
            0.0270              0.0270              0.0270              0.0270              0.0270              0.0270
            0.0270              0.0270              0.0113              0.0451              0.0270              0.0270
            0.0068              0.0922         1         1         29.8      38.4       6.8       30.       15.     Yes
         60.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=60
 1        1        14       2016      MPG        0          MPG           24.1                18.5                18.5
             14.2                14.2                10.1                 9.4                 9.3                 8.0
              8.1                 7.4                 7.1                 0.0                32.4                22.1
             13.0                11.7                10.2                 9.9                 8.7                 7.5
              6.6                 6.3                50.0                 6.4                 4.4                 6.2
             17.0                16.1         1         1         29.8      38.4       6.8       30.       15.     Yes
         60.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=60
 1        1        14       2016      VMT        0          VMT           0.2812              0.1014              0.3373
            0.1035              0.0476              0.0275              0.0010              0.0003              0.0010
            0.0020              0.0008              0.0000              0.0000              0.0000              0.0045
            0.0082              0.0025              0.0027              0.0013              0.0060              0.0087
            0.0103              0.0365              0.0024              0.0003              0.0037              0.0070
            0.0022         1         1         1         29.8      38.4       6.8       30.       15.     Yes        60.0
        No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=60
 1        1        14       2016       1         1          VOC           0.214               0.130               0.170
             0.343               0.376               0.140               0.137               0.126               0.137
             0.136               0.146               0.153               0.000               0.060               0.045
             0.075               0.083               0.103               0.114               0.136               0.167
             0.185               0.212               2.072               0.238               0.161               0.245
             0.150               0.210         1         1         29.8      38.4       6.8       30.       15.     Yes
         60.0     No        0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
        0.000     0.000     0.000      2.50      Baltimore City speED=60
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1         1        14       2016       1         2         CO           11.789               9.376               9.943
            13.284              13.579              5.964               7.202               7.030               8.208
             8.125               9.652             10.280               0.000               0.561               0.226
             0.176               0.174              0.266               0.289               0.271               0.335
             0.417               0.529             14.049              11.307               0.956               0.646
             0.366               9.925          1         1          29.8      38.4       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=60
1         1        14       2016       1         3         NOX           0.294               0.191               0.280
             0.614               0.833              0.985               1.070               0.878               1.020
             1.012               1.119              1.194               0.000               0.144               0.087
             1.147               1.090              1.761               1.913               2.024               2.505
             2.744               3.474              2.603               2.493               7.744               5.687
             0.336               0.617          1         1          29.8      38.4       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=60
1         1        14       2016       1         4         CO2           368.1               479.3               479.3
             623.8               623.8              875.9               945.0               948.9              1107.4
            1090.0              1190.8             1254.8                 0.0               314.1               460.4
             785.5               872.9              998.0              1030.4              1168.5              1351.4
            1544.5              1615.9              177.4              1375.8              2335.7              1646.1
             598.6               568.2          1         1          29.8      38.4       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=60
1         1        14       2016       3         1        Hot Soak       0.000               0.000               0.000
             0.000               0.000              0.000               0.000               0.000               0.000
             0.000               0.000              0.000               0.000               0.000               0.000
             0.000               0.000              0.000               0.000               0.000               0.000
             0.000               0.000              0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=60
1         1        14       2016       4         1        Diurnal        0.000               0.000               0.000
             0.000               0.000              0.000               0.000               0.000               0.000
             0.000               0.000              0.000               0.000               0.000               0.000
             0.000               0.000              0.000               0.000               0.000               0.000
             0.000               0.000              0.000               0.000               0.000               0.000
             0.000               0.000          1         1          29.8      38.4       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=60
1         1        14       2016       5         1        Resting        0.038               0.009               0.009
             0.030               0.030              0.037               0.037               0.038               0.038
             0.038               0.038              0.038               0.000               0.000               0.000
             0.000               0.000              0.000               0.000               0.000               0.000
             0.000               0.000              0.022               0.051               0.000               0.000
             0.000               0.020          1         1          29.8      38.4       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=60
1         1        14       2016       6         1        Running        0.018               0.009               0.009
             0.017               0.017              0.019               0.019               0.016               0.016
             0.016               0.016              0.016               0.000               0.000               0.000
             0.000               0.000              0.000               0.000               0.000               0.000
             0.000               0.000              0.000               0.033               0.000               0.000
             0.000               0.012          1         1          29.8      38.4       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=60
1         1        14       2016       7         1        Crankcase      0.008               0.009               0.009
             0.010               0.010              0.010               0.010               0.010               0.010
             0.010               0.010              0.010               0.000               0.000               0.000
             0.000               0.000              0.000               0.000               0.000               0.000
             0.000               0.000              0.000               0.009               0.000               0.000
             0.000               0.008          1         1          29.8      38.4       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=60
1         1        14       2016       8         1        Refueling      0.000               0.000               0.000
             0.000               0.000              0.000               0.000               0.000               0.000
             0.000               0.000              0.000               0.000          NA                  NA
         NA                  NA                  NA                  NA                  NA                  NA
         NA                  NA                      0.000               0.000          NA                  NA
         NA                  NA                  1         1          29.8      38.4       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=60
1         1        14       2016      11         1        Total Evap                0.063               0.027
0.027          0.056               0.056              0.066               0.066               0.064               0.064
             0.064               0.064              0.000               0.000               0.000               0.000
             0.000               0.000              0.000               0.000               0.000               0.000
             0.000               0.000              0.022               0.092               0.000               0.000
             0.000               0.040          1         1          29.8      38.4       6.8       30.       15.     Yes
          60.0     No         0.00      0.00      0.00      0.00      0.00     0.000     0.000     0.000     0.000     0.000
         0.000     0.000     0.000      2.50      Baltimore City speED=60
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JOB: Site 1 Security & Rolling Rd BDAM21 RUN: Site 1 Build AM 2021
DATE: 09/05/2012 TIME: 15:00:19.44

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Sec ap	*	-195.0	748.0	388.0	749.0	*	583.	90.	AG	570.	8.3	.0	44.0		
2. EB	Sec thru	*	388.0	749.0	814.0	748.0	*	426.	90.	AG	435.	8.3	.0	44.0		
3. EB	Sec thru	*	695.0	748.0	579.9	748.5	*	115.	270.	AG	151.	100.0	.0	24.0	.36	5.8
4. EB	Sec left	*	388.0	749.0	516.0	766.0	*	129.	82.	AG	100.	8.3	.0	32.0		
5. EB	Sec left	*	516.0	766.0	795.0	767.0	*	279.	90.	AG	100.	8.3	.0	32.0		
6. EB	Sec left	*	695.0	767.0	623.9	766.6	*	71.	270.	AG	101.	100.0	.0	12.0	.49	3.6
7. EB	Sec right	*	388.0	749.0	521.0	732.0	*	134.	97.	AG	35.	8.3	.0	32.0		
8. EB	Sec right	*	521.0	732.0	731.0	733.0	*	210.	90.	AG	35.	8.3	.0	32.0		
9. EB	Sec right	*	696.0	733.0	678.8	732.9	*	17.	270.	AG	70.	100.0	.0	12.0	.05	.9
10. EB	Sec right	*	731.0	733.0	798.0	705.0	*	73.	113.	AG	35.	8.3	.0	32.0		
11. EB	Sec dep1	*	814.0	748.0	988.0	745.0	*	174.	91.	AG	1010.	8.3	.0	44.0		
12. EB	Sec dep2	*	988.0	745.0	1211.0	768.0	*	224.	84.	AG	1340.	8.3	.0	44.0		
13. EB	Sec dep2	*	1211.0	768.0	1402.0	802.0	*	194.	80.	AG	1340.	8.3	.0	68.0		
14. EB	Sec dep2	*	1402.0	802.0	1792.0	918.0	*	407.	73.	AG	1340.	8.3	.0	68.0		
15. WB	Sec ap	*	1782.0	976.0	1409.0	857.0	*	392.	252.	AG	1210.	8.3	.0	68.0		
16. WB	Sec ap	*	1409.0	857.0	1217.0	821.0	*	195.	259.	AG	1210.	8.3	.0	68.0		
17. WB	Sec thru	*	1217.0	821.0	1018.0	800.0	*	200.	264.	AG	535.	8.3	.0	44.0		
18. WB	Sec thru	*	1018.0	800.0	792.0	795.0	*	226.	269.	AG	535.	8.3	.0	44.0		
19. WB	Sec thru	*	888.0	797.0	1017.9	800.4	*	130.	88.	AG	139.	100.0	.0	24.0	.39	6.6
20. WB	Sec left	*	1217.0	821.0	1087.0	784.0	*	135.	254.	AG	350.	8.3	.0	44.0		
21. WB	Sec left	*	1087.0	784.0	807.0	774.0	*	280.	268.	AG	350.	8.3	.0	44.0		
22. WB	Sec left	*	888.0	777.0	1004.7	781.3	*	117.	88.	AG	190.	100.0	.0	24.0	.60	5.9
23. WB	Sec right	*	1217.0	821.0	1055.0	821.0	*	162.	270.	AG	325.	8.3	.0	32.0		
24. WB	Sec right	*	1055.0	821.0	877.0	815.0	*	178.	268.	AG	325.	8.3	.0	32.0		
25. WB	Sec right	*	877.0	815.0	756.0	857.0	*	128.	289.	AG	325.	8.3	.0	32.0		
26. WB	Sec right	*	800.0	842.0	949.4	790.0	*	158.	109.	AG	69.	100.0	.0	12.0	.50	8.0
27. WB	Sec dep1	*	792.0	795.0	625.0	792.0	*	167.	269.	AG	600.	8.3	.0	56.0		
28. WB	Sec dep2	*	625.0	792.0	-192.0	791.0	*	817.	270.	AG	760.	8.3	.0	44.0		
29. NB	Rol ap	*	1344.0	-76.0	983.0	484.0	*	666.	327.	AG	900.	8.5	.0	44.0		
30. NB	Rol thru	*	983.0	484.0	806.0	758.0	*	326.	327.	AG	505.	8.5	.0	44.0		
31. NB	Rol thru	*	859.0	677.0	946.5	540.7	*	162.	147.	AG	182.	100.0	.0	24.0	.71	8.2
32. NB	Rol left	*	983.0	484.0	916.0	556.0	*	98.	317.	AG	65.	8.5	.0	32.0		
33. NB	Rol left	*	916.0	556.0	791.0	756.0	*	236.	328.	AG	65.	8.5	.0	32.0		
34. NB	Rol left	*	842.0	675.0	867.5	633.9	*	48.	148.	AG	106.	100.0	.0	12.0	.51	2.5
35. NB	Rol right	*	983.0	484.0	934.0	583.0	*	110.	334.	AG	330.	8.5	.0	32.0		
36. NB	Rol right	*	934.0	583.0	903.0	646.0	*	70.	334.	AG	330.	8.5	.0	32.0		
37. NB	Rol right	*	903.0	646.0	933.0	711.0	*	72.	25.	AG	330.	8.5	.0	32.0		
38. NB	Rol right	*	926.0	695.0	850.8	541.0	*	171.	206.	AG	74.	100.0	.0	12.0	.63	8.7
39. NB	Rol right	*	933.0	711.0	988.0	745.0	*	65.	58.	AG	330.	8.5	.0	32.0		
40. NB	Rol dep1	*	806.0	758.0	756.0	857.0	*	111.	333.	AG	605.	8.5	.0	44.0		
41. NB	Rol dep2	*	756.0	857.0	680.0	973.0	*	139.	327.	AG	930.	8.5	.0	44.0		
42. NB	Rol dep2	*	680.0	973.0	254.0	1593.0	*	752.	326.	AG	930.	8.5	.0	44.0		
43. SB	Rol ap	*	220.0	1574.0	573.0	1068.0	*	617.	145.	AG	1415.	8.5	.0	44.0		
44. SB	Rol thru	*	573.0	1068.0	759.0	776.0	*	346.	148.	AG	680.	8.5	.0	44.0		

JOB: Site 1 Security & Rolling Rd BDAM21 RUN: Site 1 Build AM 2021
DATE: 09/05/2012 TIME: 15:00:19.44

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	Rol thru	*	722.0	833.0	627.9	982.4	*	177.	328.	AG	148.	100.0	.0	24.0	.54	9.0
46. SB	Rol left	*	573.0	1068.0	665.0	954.0	*	146.	141.	AG	575.	8.5	.0	44.0		
47. SB	Rol left	*	665.0	954.0	785.0	779.0	*	212.	146.	AG	575.	8.5	.0	44.0		
48. SB	Rol left	*	748.0	833.0	644.9	983.8	*	183.	326.	AG	178.	100.0	.0	24.0	.75	9.3
49. SB	Rol right	*	573.0	1068.0	671.0	890.0	*	203.	151.	AG	160.	8.5	.0	32.0		
50. SB	Rol right	*	671.0	890.0	661.0	833.0	*	58.	190.	AG	160.	8.5	.0	32.0		
51. SB	Rol right	*	669.0	883.0	655.9	800.9	*	83.	189.	AG	74.	100.0	.0	12.0	.28	4.2
52. SB	Rol right	*	661.0	833.0	625.0	792.0	*	55.	221.	AG	160.	11.1	.0	32.0		
53. SB	Rol dep1	*	759.0	776.0	798.0	705.0	*	81.	151.	AG	1030.	8.5	.0	44.0		
54. SB	Rol dep2	*	798.0	705.0	945.0	461.0	*	285.	149.	AG	1065.	8.5	.0	44.0		
55. SB	Rol dep2	*	945.0	461.0	1314.0	-98.0	*	670.	147.	AG	1065.	8.5	.0	44.0		

JOB: Site 1 Security & Rolling Rd BDAM21 RUN: Site 1 Build AM 2021
DATE: 09/05/2012 TIME: 15:00:19.44

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE

3. EB	Sec thru	150	97	2.0	435	1846	43.60	1	3
6. EB	Sec left	150	130	2.0	100	1909	43.60	1	3
9. EB	Sec right	150	90	2.0	35	1708	43.60	1	3
19. WB	Sec thru	150	89	2.0	535	1810	43.60	1	3
22. WB	Sec left	150	122	2.0	350	1817	43.60	1	3
26. WB	Sec right	150	89	2.0	325	1708	43.60	1	3
31. NB	Rol thru	150	117	2.0	505	1846	43.60	1	3
34. NB	Rol left	150	136	2.0	65	1909	43.60	1	3
38. NB	Rol right	150	95	2.0	330	1538	43.60	1	3
45. SB	Rol thru	150	95	2.0	680	1846	43.60	1	3
48. SB	Rol left	150	114	2.0	575	1791	43.60	1	3
51. SB	Rol right	150	95	2.0	160	1708	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1101.0	343.0	5.0
2. SE 164 S	1005.0	506.0	5.0
3. SE 82 S	963.0	576.0	5.0
4. SE CNR	942.0	667.0	5.0
5. SE 82 E	1023.0	680.0	5.0
6. SE 164 E	1104.0	686.0	5.0
7. SE MID E	1348.0	718.0	5.0
8. NE MID E	1286.0	871.0	5.0
9. NE 164 E	1010.0	837.0	5.0
10. NE 82 E	929.0	834.0	5.0
11. NE CNR	843.0	845.0	5.0
12. NE 82 N	760.0	904.0	5.0
13. NE 164 N	710.0	971.0	5.0
14. NE MID N	621.0	1102.0	5.0
15. NW MID N	458.0	1175.0	5.0
16. NW 164 N	576.0	1005.0	5.0
17. NW 82 N	620.0	936.0	5.0
18. NW CNR	640.0	845.0	5.0
19. NW 82 W	555.0	823.0	5.0
20. NW 164 W	472.0	823.0	5.0
21. NW MID W	227.0	823.0	5.0
22. SW MID W	297.0	673.0	5.0
23. SW 164 W	617.0	676.0	5.0
24. SW 82 W	699.0	678.0	5.0
25. SW CNR	784.0	672.0	5.0
26. SW 82 S	828.0	601.0	5.0
27. SW 164 S	872.0	532.0	5.0
28. SW MID S	978.0	360.0	5.0

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JOB: Site 1 Security & Rolling Rd BDAM21 RUN: Site 1 Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.2	.3	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.6	.2	.2
5.	.0	.1	.2	.4	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.6	.5	.8	.6	.2	.2
10.	.0	.1	.3	.4	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.6	.6	.9	.6	.1	.2
15.	.0	.1	.2	.4	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.0	.7	.2	.2
20.	.0	.1	.1	.4	.3	.2	.5	.0	.0	.0	.0	.0	.0	.0	.5	.4	.8	.7	.3	.2
25.	.0	.1	.1	.4	.3	.2	.5	.0	.0	.0	.0	.0	.0	.0	.5	.4	.9	.8	.4	.1
30.	.0	.1	.1	.4	.3	.2	.4	.0	.0	.0	.0	.0	.0	.0	.4	.4	.9	.8	.4	.1
35.	.0	.1	.1	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.4	.4	.9	.8	.3	.1
40.	.0	.0	.1	.2	.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.4	.9	.8	.3	.0
45.	.0	.0	.1	.2	.2	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.4	1.0	.8	.3	.2
50.	.0	.0	.1	.2	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0	.4	.4	1.0	.8	.4	.2
55.	.0	.0	.2	.2	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.4	.4	1.2	.9	.4	.2
60.	.0	.0	.1	.2	.4	.5	.3	.1	.0	.0	.0	.0	.0	.0	.4	.4	1.2	.9	.4	.2
65.	.0	.0	.1	.3	.5	.5	.3	.2	.0	.0	.0	.0	.0	.0	.4	.4	1.2	.9	.4	.2
70.	.0	.0	.0	.3	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.4	.4	1.2	.9	.4	.2
75.	.0	.0	.0	.3	.3	.2	.1	.4	.0	.0	.0	.0	.0	.0	.4	.4	1.1	.9	.3	.2
80.	.0	.0	.0	.2	.3	.2	.1	.5	.3	.1	.0	.0	.0	.0	.4	.4	1.1	.9	.4	.2
85.	.0	.0	.0	.0	.0	.1	.0	.5	.4	.3	.0	.0	.0	.0	.4	.4	1.1	.9	.5	.3
90.	.0	.0	.0	.0	.0	.0	.0	.7	.6	.6	.1	.0	.0	.0	.5	.5	1.1	.8	.5	.2
95.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.5	.4	.0	.0	.0	.5	.6	1.1	.7	.2	.1
100.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.6	.0	.0	.0	.6	.6	1.2	1.0	.2	.3
105.	.0	.0	.0	.0	.0	.0	.0	.6	.5	.7	.7	.2	.0	.0	.6	.8	1.2	1.0	.3	.4
110.	.0	.0	.0	.0	.0	.0	.0	.6	.5	.7	.9	.3	.0	.0	.6	.9	1.1	.9	.5	.4
115.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.8	1.0	.4	.0	.0	.6	.9	1.2	.5	.6	.4
120.	.1	.0	.0	.0	.0	.0	.0	.5	.4	1.0	1.2	.5	.1	.0	.5	1.0	1.1	.6	.8	.4
125.	.1	.0	.0	.0	.0	.0	.0	.5	.4	1.0	1.1	.5	.3	.1	.6	1.1	1.1	.7	.8	.4
130.	.1	.1	.0	.0	.0	.0	.0	.6	.4	.9	1.1	.5	.3	.1	.7	1.1	.9	.6	.7	.4
135.	.2	.1	.1	.0	.0	.0	.0	.5	.5	1.0	.9	.6	.2	.1	.7	.9	.9	.6	.5	.4
140.	.2	.2	.1	.0	.0	.0	.0	.5	.5	1.1	.9	.5	.1	.3	.6	.8	.9	.6	.5	.3
145.	.4	.3	.2	.1	.0	.0	.0	.5	.5	1.1	.8	.6	.3	.5	.5	.6	.7	.7	.5	.3

150. *	.5	.4	.3	.2	.0	.0	.0	.5	.6	1.2	1.1	.8	.5	.7	.4	.4	.5	.6	.5	.3
155. *	.5	.4	.4	.2	.1	.0	.0	.5	.6	1.2	1.0	.8	.7	.8	.1	.3	.4	.6	.4	.3
160. *	.6	.5	.6	.2	.2	.0	.0	.5	.6	1.3	1.2	.6	.9	.9	.0	.3	.2	.6	.4	.3
165. *	.6	.5	.6	.3	.2	.1	.0	.5	.9	1.3	1.0	.6	.9	1.0	.0	.1	.2	.6	.4	.3
170. *	.6	.5	.5	.4	.2	.2	.0	.5	1.1	1.3	.9	.6	.9	.7	.0	.1	.1	.7	.4	.3
175. *	.6	.5	.4	.5	.2	.2	.0	.5	.9	1.3	.9	.8	.9	.7	.0	.1	.1	.6	.3	.3
180. *	.5	.5	.6	.5	.2	.2	.0	.5	.8	1.3	.8	.8	1.0	.7	.0	.0	.1	.6	.3	.3
185. *	.5	.5	.5	.4	.2	.2	.0	.5	.8	1.3	.8	.7	1.1	.7	.0	.0	.1	.6	.3	.3
190. *	.5	.4	.5	.4	.2	.2	.0	.5	1.1	1.4	.7	.8	1.2	.6	.0	.0	.2	.6	.3	.3
195. *	.5	.4	.6	.5	.1	.2	.0	.5	1.1	1.3	.8	.9	1.2	.5	.0	.1	.1	.5	.3	.3
200. *	.5	.4	.5	.6	.1	.2	.0	.5	1.2	1.3	.7	.9	1.1	.5	.0	.1	.1	.3	.3	.3
205. *	.5	.3	.5	.7	.2	.1	.0	.5	1.2	1.2	.6	1.0	1.1	.5	.0	.1	.1	.3	.3	.3

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JOB: Site 1 Security & Rolling Rd BDAM21 RUN: Site 1 Build AM 2021

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.5	.3	.6	.7	.2	.0	.0	.5	1.2	1.2	.6	1.0	1.1	.5	.0	.1	.1	.3	.3	.3
215. *	.4	.2	.7	.7	.2	.0	.0	.5	1.2	1.1	.6	1.0	1.0	.4	.0	.1	.1	.3	.3	.3
220. *	.4	.3	.7	.7	.2	.0	.0	.5	1.2	.9	.6	1.1	1.1	.5	.0	.1	.1	.3	.3	.2
225. *	.4	.4	.8	.7	.2	.2	.0	.5	1.2	.8	.8	1.1	1.1	.6	.0	.1	.1	.2	.3	.2
230. *	.5	.4	.8	.7	.3	.2	.0	.5	1.0	.8	1.0	1.0	1.1	.6	.0	.1	.1	.2	.3	.2
235. *	.5	.5	.8	.7	.4	.2	.0	.5	1.0	.7	.8	1.1	1.1	.5	.0	.1	.1	.3	.3	.3
240. *	.5	.5	.8	.8	.4	.2	.0	.4	1.0	.6	.9	1.1	1.1	.4	.0	.1	.1	.2	.3	.3
245. *	.5	.3	.8	.8	.4	.2	.0	.4	1.0	.4	.9	1.1	1.1	.5	.0	.1	.1	.2	.3	.4
250. *	.4	.3	.8	.9	.3	.2	.0	.5	.8	.5	1.0	1.0	1.1	.4	.0	.0	.1	.2	.4	.4
255. *	.4	.3	.8	.9	.3	.2	.0	.5	.6	.4	1.0	1.0	1.1	.4	.0	.0	.1	.2	.4	.4
260. *	.4	.3	.9	.8	.3	.2	.0	.2	.5	.5	.9	1.0	1.0	.5	.0	.0	.1	.2	.4	.4
265. *	.5	.4	.9	.8	.3	.2	.1	.1	.4	.6	.9	1.0	1.0	.5	.0	.0	.0	.1	.3	.3
270. *	.5	.4	.9	.8	.2	.1	.1	.1	.5	.7	.9	.9	1.0	.5	.0	.0	.0	.1	.2	.2
275. *	.5	.4	.9	.7	.1	.1	.2	.1	.3	.4	1.0	1.0	.8	.6	.0	.0	.0	.1	.1	.1
280. *	.5	.5	1.0	.6	.1	.2	.2	.0	.2	.4	.8	1.0	.8	.6	.0	.0	.0	.0	.1	.1
285. *	.5	.5	1.0	.6	.1	.3	.2	.0	.2	.4	.7	1.0	.8	.6	.0	.0	.0	.0	.1	.1
290. *	.5	.6	1.0	.6	.1	.4	.3	.0	.2	.4	.7	1.0	.7	.6	.0	.0	.0	.0	.0	.0
295. *	.5	.7	1.0	.5	.3	.4	.3	.0	.1	.3	.7	1.1	.8	.7	.0	.0	.0	.0	.0	.0
300. *	.5	.7	1.0	.4	.3	.4	.3	.0	.2	.4	.7	1.2	.8	.7	.0	.0	.0	.0	.0	.0
305. *	.5	.7	.9	.6	.4	.5	.3	.0	.2	.3	.7	1.0	.7	.7	.1	.0	.0	.0	.0	.0
310. *	.7	.7	.9	.6	.5	.4	.3	.0	.2	.2	.6	.9	.8	.7	.1	.1	.1	.0	.0	.0
315. *	.6	.7	.8	.8	.7	.4	.3	.0	.1	.2	.4	.9	.8	.7	.1	.1	.1	.0	.0	.0
320. *	.6	.6	.6	.7	.6	.4	.3	.0	.0	.2	.2	.6	.6	.6	.2	.3	.2	.1	.0	.0
325. *	.5	.4	.7	.7	.6	.4	.3	.0	.0	.0	.2	.4	.5	.5	.4	.4	.4	.2	.0	.0
330. *	.3	.3	.4	.4	.6	.2	.3	.0	.0	.0	.1	.3	.4	.4	.5	.4	.4	.2	.1	.0
335. *	.3	.3	.4	.6	.6	.2	.3	.0	.0	.0	.0	.3	.3	.3	.5	.5	.5	.3	.1	.0
340. *	.1	.3	.2	.6	.4	.2	.3	.0	.0	.0	.0	.1	.1	.1	.6	.7	.7	.4	.2	.1
345. *	.1	.1	.3	.6	.4	.3	.3	.0	.0	.0	.0	.0	.1	.1	.7	.7	.6	.4	.2	.1
350. *	.1	.1	.3	.6	.4	.3	.3	.0	.0	.0	.0	.0	.0	.1	.7	.7	.8	.6	.2	.2
355. *	.0	.1	.3	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.6	.6	.8	.6	.2	.2
360. *	.0	.2	.3	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.6	.2	.2
MAX *	.7	.7	1.0	.9	.7	.5	.5	.7	1.2	1.4	1.2	1.2	1.2	1.0	.7	1.1	1.2	1.0	.8	.4
DEGR. *	310	305	280	250	315	60	20	90	200	190	120	300	190	165	130	125	55	100	120	105

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JOB: Site 1 Security & Rolling Rd BDAM21 RUN: Site 1 Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.2	.6	.6	.7	.5	1.0	.5
5. *	.0	.3	.6	.8	.5	.6	1.1	.4
10. *	.1	.3	.7	.7	.4	.7	1.1	.4
15. *	.1	.3	.8	.6	.4	.8	1.2	.4
20. *	.1	.3	.8	.5	.5	.9	1.1	.4
25. *	.1	.2	.8	.4	.5	1.0	.9	.4
30. *	.1	.2	.8	.3	.6	1.0	.9	.4
35. *	.1	.2	.8	.2	.8	1.0	.8	.4
40. *	.1	.2	.6	.2	.8	1.1	.8	.4
45. *	.0	.2	.3	.2	.7	1.2	.8	.4
50. *	.0	.1	.3	.2	.7	1.1	.8	.4
55. *	.0	.1	.2	.3	.7	1.0	.8	.4
60. *	.0	.1	.2	.4	.7	.9	.6	.4
65. *	.0	.2	.2	.4	.8	.9	.6	.4
70. *	.0	.2	.2	.4	.7	.9	.6	.4
75. *	.1	.1	.2	.5	.8	.8	.6	.4
80. *	.1	.1	.1	.4	.7	.8	.6	.4
85. *	.1	.0	.1	.4	.7	.8	.5	.4
90. *	.2	.0	.2	.3	.7	.8	.5	.4
95. *	.2	.0	.2	.3	.7	.8	.5	.4
100. *	.2	.0	.2	.3	.8	.8	.4	.4
105. *	.3	.0	.2	.3	.8	.7	.4	.5

110.	*	.3	.0	.2	.2	.9	.7	.5	.6
115.	*	.3	.0	.2	.2	.9	.7	.5	.6
120.	*	.3	.0	.1	.2	.9	.8	.5	.6
125.	*	.3	.0	.2	.2	.8	.9	.5	.6
130.	*	.3	.0	.1	.3	1.0	.8	.6	.6
135.	*	.3	.0	.1	.3	.9	.6	.6	.5
140.	*	.3	.0	.1	.3	.6	.6	.6	.5
145.	*	.3	.0	.0	.1	.6	.6	.5	.4
150.	*	.3	.0	.0	.0	.4	.5	.5	.4
155.	*	.3	.0	.0	.0	.3	.3	.2	.2
160.	*	.3	.0	.0	.0	.1	.3	.2	.1
165.	*	.3	.0	.0	.0	.1	.1	.2	.1
170.	*	.3	.0	.0	.0	.0	.0	.0	.0
175.	*	.3	.0	.0	.0	.0	.0	.0	.0
180.	*	.3	.0	.0	.0	.0	.0	.0	.0
185.	*	.3	.0	.0	.0	.0	.0	.0	.0
190.	*	.3	.0	.0	.0	.0	.0	.0	.0
195.	*	.3	.0	.0	.0	.0	.0	.0	.0
200.	*	.3	.0	.0	.0	.0	.0	.0	.0
205.	*	.3	.0	.0	.0	.0	.0	.0	.0

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JOB: Site 1 Security & Rolling Rd BDAM21 RUN: Site 1 Build AM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.4	.0	.0	.0	.0	.0	.0	.0
250.	*	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.4	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.2	.0	.0	.0	.0	.0	.0	.0
270.	*	.2	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.1	.1	.1	.1	.0	.0	.0
280.	*	.1	.1	.1	.1	.2	.0	.0	.0
285.	*	.1	.2	.1	.2	.3	.1	.1	.0
290.	*	.0	.2	.1	.3	.3	.1	.1	.0
295.	*	.0	.2	.2	.3	.3	.1	.1	.0
300.	*	.0	.2	.2	.3	.3	.2	.1	.0
305.	*	.0	.2	.2	.4	.2	.1	.1	.0
310.	*	.0	.2	.2	.4	.2	.1	.2	.0
315.	*	.0	.2	.2	.4	.3	.2	.2	.2
320.	*	.0	.2	.3	.5	.7	.2	.2	.2
325.	*	.0	.2	.3	.5	.8	.5	.4	.2
330.	*	.0	.2	.3	.5	.8	.8	.7	.4
335.	*	.0	.2	.4	.6	.9	.8	.6	.5
340.	*	.0	.2	.4	1.0	1.0	.7	.8	.6
345.	*	.0	.2	.6	1.0	1.1	.5	.8	.6
350.	*	.0	.2	.6	.8	1.0	.5	.8	.6
355.	*	.0	.2	.6	.8	.8	.5	1.0	.7
360.	*	.0	.2	.6	.6	.7	.5	1.0	.5
MAX	*	.4	.3	.8	1.0	1.1	1.2	1.2	.7
DEGR.	*	245	5	15	340	345	45	15	355

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 190 DEGREES FROM REC10.
THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 200 DEGREES FROM REC9 .
THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 120 DEGREES FROM REC11.

```
Site 1 Security & Rolling Rd BDAM21     60.0321.0.0000.000280.30480000    1    1
SE MID S                 1101.      343.       5.0
SE 164 S                 1005.      506.       5.0
SE 82 S                   963.      576.       5.0
SE CNR                    942.      667.       5.0
SE 82 E                  1023.      680.       5.0
SE 164 E                 1104.      686.       5.0
SE MID E                 1348.      718.       5.0
NE MID E                 1286.      871.       5.0
NE 164 E                 1010.      837.       5.0
NE 82 E                   929.      834.       5.0
NE CNR                    843.      845.       5.0
NE 82 N                   760.      904.       5.0
NE 164 N                  710.      971.       5.0
NE MID N                  621.     1102.       5.0
NW MID N                  458.     1175.       5.0
NW 164 N                  576.     1005.       5.0
NW 82 N                   620.      936.       5.0
NW CNR                    640.      845.       5.0
NW 82 W                   555.      823.       5.0
NW 164 W                  472.      823.       5.0
NW MID W                  227.      823.       5.0
SW MID W                  297.      673.       5.0
SW 164 W                  617.      676.       5.0
SW 82 W                   699.      678.       5.0
SW CNR                    784.      672.       5.0
SW 82 S                   828.      601.       5.0
SW 164 S                  872.      532.       5.0
SW MID S                  978.      360.       5.0
Site 1 Build AM 2021                     55  1   0
  1
EB        Sec ap    AG  -195.   748.   388.   749.    570. 8.3   0  44   40.
  1
EB        Sec thru  AG   388.   749.   814.   748.    435. 8.3   0  44   40.
  2
EB        Sec thru  AG   695.   748.   481.   749.      0.  24   2
       150        97       2.0  435   43.6 1846 1 3
  1
EB        Sec left  AG   388.   749.   516.   766.    100. 8.3   0  32   40.
  1
EB        Sec left  AG   516.   766.   795.   767.    100. 8.3   0  32   40.
  2
EB        Sec left  AG   695.   767.   527.   766.      0.  12   1
       150       130       2.0  100   43.6 1909 1 3
  1
EB        Sec right AG   388.   749.   521.   732.     35. 8.3   0  32   40.
  1
EB        Sec right AG   521.   732.   731.   733.     35. 8.3   0  32   40.
  2
EB        Sec right AG   696.   733.   534.   732.      0.  12   1
       150        90       2.0   35   43.6 1708 1 3
  1
EB        Sec right AG   731.   733.   798.   705.     35. 8.3   0  32   40.
  1
EB        Sec dep1  AG   814.   748.   988.   745.   1010. 8.3   0  44   40.
  1
EB        Sec dep2  AG   988.   745.  1211.   768.   1340. 8.3   0  44   40.
  1
EB        Sec dep2  AG  1211.   768.  1402.   802.   1340. 8.3   0  68   40.
  1
EB        Sec dep2  AG  1402.   802.  1792.   918.   1340. 8.3   0  68   40.
  1
WB        Sec ap    AG  1782.   976.  1409.   857.   1210. 8.3   0  68   40.
  1
WB        Sec ap    AG  1409.   857.  1217.   821.   1210. 8.3   0  68   40.
  1
WB        Sec thru  AG  1217.   821.  1018.   800.    535. 8.3   0  44   40.
  1
WB        Sec thru  AG  1018.   800.   792.   795.    535. 8.3   0  44   40.
  2
WB        Sec thru  AG   888.   797.  1002.   800.      0.  24   2
       150        89       2.0  535   43.6 1810 1 3
  1
WB        Sec left  AG  1217.   821.  1087.   784.    350. 8.3   0  44   40.
  1
WB        Sec left  AG  1087.   784.   807.   774.    350. 8.3   0  44   40.
  2
WB        Sec left  AG   888.   777.  1050.   783.      0.  24   2
       150       122       2.0  350   43.6 1817 1 3
  1
WB        Sec right AG  1217.   821.  1055.   821.    325. 8.3   0  32   40.
```

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  1
WB        Sec right AG  1055.   821.   877.   815.    325. 8.3   0  32   40.
  1
WB        Sec right AG   877.   815.   756.   857.    325. 8.3   0  32   40.
  2
WB        Sec right AG   800.   842.   869.   818.      0.  12   1
       150        89       2.0  325   43.6 1708 1 3
  1
WB        Sec dep1  AG   792.   795.   625.   792.    600. 8.3   0  56   40.
  1
WB        Sec dep2  AG   625.   792.  -192.   791.    760. 8.3   0  44   40.
  1
NB        Rol ap    AG  1344.   -76.   983.   484.    900. 8.5   0  44   45.
  1
NB        Rol thru  AG   983.   484.   806.   758.    505. 8.5   0  44   45.
  2
NB        Rol thru  AG   859.   677.   972.   501.      0.  24   2
       150       117       2.0  505   43.6 1846 1 3
  1
NB        Rol left  AG   983.   484.   916.   556.     65. 8.5   0  32   45.
  1
NB        Rol left  AG   916.   556.   791.   756.     65. 8.5   0  32   45.
  2
NB        Rol left  AG   842.   675.   911.   564.      0.  12   1
       150       136       2.0   65   43.6 1909 1 3
  1
NB        Rol right AG   983.   484.   934.   583.    330. 8.5   0  32   45.
  1
NB        Rol right AG   934.   583.   903.   646.    330. 8.5   0  32   45.
  1
NB        Rol right AG   903.   646.   933.   711.    330. 8.5   0  32   45.
  2
NB        Rol right AG   926.   695.   905.   652.      0.  12   1
       150        95       2.0  330   43.6 1538 1 3
  1
NB        Rol right AG   933.   711.   988.   745.    330. 8.5   0  32   45.
  1
NB        Rol dep1  AG   806.   758.   756.   857.    605. 8.5   0  44   45.
  1
NB        Rol dep2  AG   756.   857.   680.   973.    930. 8.5   0  44   45.
  1
NB        Rol dep2  AG   680.   973.   254.  1593.    930. 8.5   0  44   45.
  1
SB        Rol ap    AG   220.  1574.   573.  1068.   1415. 8.5   0  44   45.
  1
SB        Rol thru  AG   573.  1068.   759.   776.    680. 8.5   0  44   45.
  2
SB        Rol thru  AG   722.   833.   608.  1014.      0.  24   2
       150        95       2.0  680   43.6 1846 1 3
  1
SB        Rol left  AG   573.  1068.   665.   954.    575. 8.5   0  44   45.
  1
SB        Rol left  AG   665.   954.   785.   779.    575. 8.5   0  44   45.
  2
SB        Rol left  AG   748.   833.   668.   950.      0.  24   2
       150       114       2.0  575   43.6 1791 1 3
  1
SB        Rol right AG   573.  1068.   671.   890.    160. 8.5   0  32   45.
  1
SB        Rol right AG   671.   890.   661.   833.    160. 8.5   0  32   45.
  2
SB        Rol right AG   669.   883.   662.   839.      0.  12   1
       150        95       2.0  160   43.6 1708 1 3
  1
SB        Rol right AG   661.   833.   625.   792.    160.11.1   0  32   45.
  1
SB        Rol dep1  AG   759.   776.   798.   705.   1030. 8.5   0  44   45.
  1
SB        Rol dep2  AG   798.   705.   945.   461.   1065. 8.5   0  44   45.
  1
SB        Rol dep2  AG   945.   461.  1314.   -98.   1065. 8.5   0  44   45.
1.0   04  1000   0Y  5  0 72
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Site 1 Security & Rolling Rd BDAM35     60.0321.0.0000.000280.30480000    1    1
SE MID S                 1101.      343.       5.0
SE 164 S                 1005.      506.       5.0
SE 82 S                   963.      576.       5.0
SE CNR                    942.      667.       5.0
SE 82 E                  1023.      680.       5.0
SE 164 E                 1104.      686.       5.0
SE MID E                 1348.      718.       5.0
NE MID E                 1286.      871.       5.0
NE 164 E                 1010.      837.       5.0
NE 82 E                   929.      834.       5.0
NE CNR                    843.      845.       5.0
NE 82 N                   760.      904.       5.0
NE 164 N                  710.      971.       5.0
NE MID N                  621.     1102.       5.0
NW MID N                  458.     1175.       5.0
NW 164 N                  576.     1005.       5.0
NW 82 N                   620.      936.       5.0
NW CNR                    640.      845.       5.0
NW 82 W                   555.      823.       5.0
NW 164 W                  472.      823.       5.0
NW MID W                  227.      823.       5.0
SW MID W                  297.      673.       5.0
SW 164 W                  617.      676.       5.0
SW 82 W                   699.      678.       5.0
SW CNR                    784.      672.       5.0
SW 82 S                   828.      601.       5.0
SW 164 S                  872.      532.       5.0
SW MID S                  978.      360.       5.0
Site 1 Build AM 2035                     55  1   0
  1
EB        Sec ap    AG  -195.   748.   388.   749.    605. 8.1   0  44   40.
  1
EB        Sec thru  AG   388.   749.   814.   748.    450. 8.1   0  44   40.
  2
EB        Sec thru  AG   695.   748.   481.   749.      0.  24   2
       150       108       2.0  450   42.1 1846 1 3
  1
EB        Sec left  AG   388.   749.   516.   766.    115. 8.1   0  32   40.
  1
EB        Sec left  AG   516.   766.   795.   767.    115. 8.1   0  32   40.
  2
EB        Sec left  AG   695.   767.   527.   766.      0.  12   1
       150       130       2.0  115   42.1 1909 1 3
  1
EB        Sec right AG   388.   749.   521.   732.     40. 8.1   0  32   40.
  1
EB        Sec right AG   521.   732.   731.   733.     40. 8.1   0  32   40.
  2
EB        Sec right AG   696.   733.   534.   732.      0.  12   1
       150        99       2.0   40   42.1 1708 1 3
  1
EB        Sec right AG   731.   733.   798.   705.     40. 8.1   0  32   40.
  1
EB        Sec dep1  AG   814.   748.   988.   745.   1130. 8.1   0  44   40.
  1
EB        Sec dep2  AG   988.   745.  1211.   768.   1495. 8.1   0  44   40.
  1
EB        Sec dep2  AG  1211.   768.  1402.   802.   1495. 8.1   0  68   40.
  1
EB        Sec dep2  AG  1402.   802.  1792.   918.   1495. 8.1   0  68   40.
  1
WB        Sec ap    AG  1782.   976.  1409.   857.   1545. 8.1   0  68   40.
  1
WB        Sec ap    AG  1409.   857.  1217.   821.   1545. 8.1   0  68   40.
  1
WB        Sec thru  AG  1217.   821.  1018.   800.    635. 8.1   0  44   40.
  1
WB        Sec thru  AG  1018.   800.   792.   795.    635. 8.1   0  44   40.
  2
WB        Sec thru  AG   888.   797.  1002.   800.      0.  24   2
       150        99       2.0  635   42.1 1810 1 3
  1
WB        Sec left  AG  1217.   821.  1087.   784.    465. 8.1   0  44   40.
  1
WB        Sec left  AG  1087.   784.   807.   774.    465. 8.1   0  44   40.
  2
WB        Sec left  AG   888.   777.  1050.   783.      0.  24   2
       150       121       2.0  465   42.1 1817 1 3
  1
WB        Sec right AG  1217.   821.  1055.   821.    445. 8.1   0  32   40.
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  1
WB        Sec right AG  1055.   821.   877.   815.    445. 8.1   0  32   40.
  1
WB        Sec right AG   877.   815.   756.   857.    445. 8.1   0  32   40.
  2
WB        Sec right AG   800.   842.   869.   818.      0.  12   1
       150        99       2.0  445   42.1 1708 1 3
  1
WB        Sec dep1  AG   792.   795.   625.   792.    715. 8.1   0  56   40.
  1
WB        Sec dep2  AG   625.   792.  -192.   791.    855. 8.1   0  44   40.
  1
NB        Rol ap    AG  1344.   -76.   983.   484.   1175. 8.3   0  44   45.
  1
NB        Rol thru  AG   983.   484.   806.   758.    730. 8.3   0  44   45.
  2
NB        Rol thru  AG   859.   677.   972.   501.      0.  24   2
       150       110       2.0  730   42.1 1846 1 3
  1
NB        Rol left  AG   983.   484.   916.   556.     80. 8.3   0  32   45.
  1
NB        Rol left  AG   916.   556.   791.   756.     80. 8.3   0  32   45.
  2
NB        Rol left  AG   842.   675.   911.   564.      0.  12   1
       150       135       2.0   80   42.1 1909 1 3
  1
NB        Rol right AG   983.   484.   934.   583.    365. 8.3   0  32   45.
  1
NB        Rol right AG   934.   583.   903.   646.    365. 8.3   0  32   45.
  1
NB        Rol right AG   903.   646.   933.   711.    365. 8.3   0  32   45.
  2
NB        Rol right AG   926.   695.   905.   652.      0.  12   1
       150        87       2.0  365   42.1 1538 1 3
  1
NB        Rol right AG   933.   711.   988.   745.    365. 8.3   0  32   45.
  1
NB        Rol dep1  AG   806.   758.   756.   857.    845. 8.3   0  44   45.
  1
NB        Rol dep2  AG   756.   857.   680.   973.   1290. 8.3   0  44   45.
  1
NB        Rol dep2  AG   680.   973.   254.  1593.   1290. 8.3   0  44   45.
  1
SB        Rol ap    AG   220.  1574.   573.  1068.   1770. 8.3   0  44   45.
  1
SB        Rol thru  AG   573.  1068.   759.   776.    950. 8.3   0  44   45.
  2
SB        Rol thru  AG   722.   833.   608.  1014.      0.  24   2
       150        86       2.0  950   42.1 1846 1 3
  1
SB        Rol left  AG   573.  1068.   665.   954.    680. 8.3   0  44   45.
  1
SB        Rol left  AG   665.   954.   785.   779.    680. 8.3   0  44   45.
  2
SB        Rol left  AG   748.   833.   668.   950.      0.  24   2
       150       112       2.0  680   42.1 1791 1 3
  1
SB        Rol right AG   573.  1068.   671.   890.    140. 8.3   0  32   45.
  1
SB        Rol right AG   671.   890.   661.   833.    140. 8.3   0  32   45.
  2
SB        Rol right AG   669.   883.   662.   839.      0.  12   1
       150        86       2.0  140   42.1 1708 1 3
  1
SB        Rol right AG   661.   833.   625.   792.    140. 8.3   0  32   45.
  1
SB        Rol dep1  AG   759.   776.   798.   705.   1415. 8.3   0  44   45.
  1
SB        Rol dep2  AG   798.   705.   945.   461.   1455. 8.3   0  44   45.
  1
SB        Rol dep2  AG   945.   461.  1314.   -98.   1455. 8.3   0  44   45.
1.0   04  1000   0Y  5  0 72
```

JOB: Site 1 Security & Rolling Rd BDAM35 RUN: Site 1 Build AM 2035
DATE: 09/05/2012 TIME: 15:00:55.80

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Sec ap	*	-195.0	748.0	388.0	749.0	*	583.	90.	AG	605.	8.1	.0	44.0		
2. EB	Sec thru	*	388.0	749.0	814.0	748.0	*	426.	90.	AG	450.	8.1	.0	44.0		
3. EB	Sec thru	*	695.0	748.0	562.1	748.6	*	133.	270.	AG	163.	100.0	.0	24.0	.48	6.8
4. EB	Sec left	*	388.0	749.0	516.0	766.0	*	129.	82.	AG	115.	8.1	.0	32.0		
5. EB	Sec left	*	516.0	766.0	795.0	767.0	*	279.	90.	AG	115.	8.1	.0	32.0		
6. EB	Sec left	*	695.0	767.0	613.3	766.5	*	82.	270.	AG	98.	100.0	.0	12.0	.57	4.2
7. EB	Sec right	*	388.0	749.0	521.0	732.0	*	134.	97.	AG	40.	8.1	.0	32.0		
8. EB	Sec right	*	521.0	732.0	731.0	733.0	*	210.	90.	AG	40.	8.1	.0	32.0		
9. EB	Sec right	*	696.0	733.0	674.3	732.9	*	22.	270.	AG	75.	100.0	.0	12.0	.07	1.1
10. EB	Sec right	*	731.0	733.0	798.0	705.0	*	73.	113.	AG	40.	8.1	.0	32.0		
11. EB	Sec dep1	*	814.0	748.0	988.0	745.0	*	174.	91.	AG	1130.	8.1	.0	44.0		
12. EB	Sec dep2	*	988.0	745.0	1211.0	768.0	*	224.	84.	AG	1495.	8.1	.0	44.0		
13. EB	Sec dep2	*	1211.0	768.0	1402.0	802.0	*	194.	80.	AG	1495.	8.1	.0	68.0		
14. EB	Sec dep2	*	1402.0	802.0	1792.0	918.0	*	407.	73.	AG	1495.	8.1	.0	68.0		
15. WB	Sec ap	*	1782.0	976.0	1409.0	857.0	*	392.	252.	AG	1545.	8.1	.0	68.0		
16. WB	Sec ap	*	1409.0	857.0	1217.0	821.0	*	195.	259.	AG	1545.	8.1	.0	68.0		
17. WB	Sec thru	*	1217.0	821.0	1018.0	800.0	*	200.	264.	AG	635.	8.1	.0	44.0		
18. WB	Sec thru	*	1018.0	800.0	792.0	795.0	*	226.	269.	AG	635.	8.1	.0	44.0		
19. WB	Sec thru	*	888.0	797.0	1059.5	801.5	*	172.	88.	AG	149.	100.0	.0	24.0	.56	8.7
20. WB	Sec left	*	1217.0	821.0	1087.0	784.0	*	135.	254.	AG	465.	8.1	.0	44.0		
21. WB	Sec left	*	1087.0	784.0	807.0	774.0	*	280.	268.	AG	465.	8.1	.0	44.0		
22. WB	Sec left	*	888.0	777.0	1049.2	783.0	*	161.	88.	AG	182.	100.0	.0	24.0	.77	8.2
23. WB	Sec right	*	1217.0	821.0	1055.0	821.0	*	162.	270.	AG	445.	8.1	.0	32.0		
24. WB	Sec right	*	1055.0	821.0	877.0	815.0	*	178.	268.	AG	445.	8.1	.0	32.0		
25. WB	Sec right	*	877.0	815.0	756.0	857.0	*	128.	289.	AG	445.	8.1	.0	32.0		
26. WB	Sec right	*	800.0	842.0	1039.5	758.7	*	254.	109.	AG	75.	100.0	.0	12.0	.83	12.9
27. WB	Sec dep1	*	792.0	795.0	625.0	792.0	*	167.	269.	AG	715.	8.1	.0	56.0		
28. WB	Sec dep2	*	625.0	792.0	-192.0	791.0	*	817.	270.	AG	855.	8.1	.0	44.0		
29. NB	Rol ap	*	1344.0	-76.0	983.0	484.0	*	666.	327.	AG	1175.	8.3	.0	44.0		
30. NB	Rol thru	*	983.0	484.0	806.0	758.0	*	326.	327.	AG	730.	8.3	.0	44.0		
31. NB	Rol thru	*	859.0	677.0	985.0	480.8	*	233.	147.	AG	166.	100.0	.0	24.0	.82	11.8
32. NB	Rol left	*	983.0	484.0	916.0	556.0	*	98.	317.	AG	80.	8.3	.0	32.0		
33. NB	Rol left	*	916.0	556.0	791.0	756.0	*	236.	328.	AG	80.	8.3	.0	32.0		
34. NB	Rol left	*	842.0	675.0	873.5	624.3	*	60.	148.	AG	102.	100.0	.0	12.0	.58	3.0
35. NB	Rol right	*	983.0	484.0	934.0	583.0	*	110.	334.	AG	365.	8.3	.0	32.0		
36. NB	Rol right	*	934.0	583.0	903.0	646.0	*	70.	334.	AG	365.	8.3	.0	32.0		
37. NB	Rol right	*	903.0	646.0	933.0	711.0	*	72.	25.	AG	365.	8.3	.0	32.0		
38. NB	Rol right	*	926.0	695.0	849.8	539.0	*	174.	206.	AG	65.	100.0	.0	12.0	.60	8.8
39. NB	Rol right	*	933.0	711.0	988.0	745.0	*	65.	58.	AG	365.	8.3	.0	32.0		
40. NB	Rol dep1	*	806.0	758.0	756.0	857.0	*	111.	333.	AG	845.	8.3	.0	44.0		
41. NB	Rol dep2	*	756.0	857.0	680.0	973.0	*	139.	327.	AG	1290.	8.3	.0	44.0		
42. NB	Rol dep2	*	680.0	973.0	254.0	1593.0	*	752.	326.	AG	1290.	8.3	.0	44.0		
43. SB	Rol ap	*	220.0	1574.0	573.0	1068.0	*	617.	145.	AG	1770.	8.3	.0	44.0		
44. SB	Rol thru	*	573.0	1068.0	759.0	776.0	*	346.	148.	AG	950.	8.3	.0	44.0		

JOB: Site 1 Security & Rolling Rd BDAM35 RUN: Site 1 Build AM 2035
DATE: 09/05/2012 TIME: 15:00:55.80

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	Rol thru	*	722.0	833.0	603.0	1022.0	*	223.	328.	AG	129.	100.0	.0	24.0	.64	11.3
46. SB	Rol left	*	573.0	1068.0	665.0	954.0	*	146.	141.	AG	680.	8.3	.0	44.0		
47. SB	Rol left	*	665.0	954.0	785.0	779.0	*	212.	146.	AG	680.	8.3	.0	44.0		
48. SB	Rol left	*	748.0	833.0	620.5	1019.5	*	226.	326.	AG	169.	100.0	.0	24.0	.84	11.5
49. SB	Rol right	*	573.0	1068.0	671.0	890.0	*	203.	151.	AG	140.	8.3	.0	32.0		
50. SB	Rol right	*	671.0	890.0	661.0	833.0	*	58.	190.	AG	140.	8.3	.0	32.0		
51. SB	Rol right	*	669.0	883.0	658.7	818.0	*	66.	189.	AG	65.	100.0	.0	12.0	.20	3.3
52. SB	Rol right	*	661.0	833.0	625.0	792.0	*	55.	221.	AG	140.	8.3	.0	32.0		
53. SB	Rol dep1	*	759.0	776.0	798.0	705.0	*	81.	151.	AG	1415.	8.3	.0	44.0		
54. SB	Rol dep2	*	798.0	705.0	945.0	461.0	*	285.	149.	AG	1455.	8.3	.0	44.0		
55. SB	Rol dep2	*	945.0	461.0	1314.0	-98.0	*	670.	147.	AG	1455.	8.3	.0	44.0		

JOB: Site 1 Security & Rolling Rd BDAM35 RUN: Site 1 Build AM 2035
DATE: 09/05/2012 TIME: 15:00:55.80

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE

3. EB	Sec thru	150	108	2.0	450	1846	42.10	1	3
6. EB	Sec left	150	130	2.0	115	1909	42.10	1	3
9. EB	Sec right	150	99	2.0	40	1708	42.10	1	3
19. WB	Sec thru	150	99	2.0	635	1810	42.10	1	3
22. WB	Sec left	150	121	2.0	465	1817	42.10	1	3
26. WB	Sec right	150	99	2.0	445	1708	42.10	1	3
31. NB	Rol thru	150	110	2.0	730	1846	42.10	1	3
34. NB	Rol left	150	135	2.0	80	1909	42.10	1	3
38. NB	Rol right	150	87	2.0	365	1538	42.10	1	3
45. SB	Rol thru	150	86	2.0	950	1846	42.10	1	3
48. SB	Rol left	150	112	2.0	680	1791	42.10	1	3
51. SB	Rol right	150	86	2.0	140	1708	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1101.0	343.0	5.0
2. SE 164 S	1005.0	506.0	5.0
3. SE 82 S	963.0	576.0	5.0
4. SE CNR	942.0	667.0	5.0
5. SE 82 E	1023.0	680.0	5.0
6. SE 164 E	1104.0	686.0	5.0
7. SE MID E	1348.0	718.0	5.0
8. NE MID E	1286.0	871.0	5.0
9. NE 164 E	1010.0	837.0	5.0
10. NE 82 E	929.0	834.0	5.0
11. NE CNR	843.0	845.0	5.0
12. NE 82 N	760.0	904.0	5.0
13. NE 164 N	710.0	971.0	5.0
14. NE MID N	621.0	1102.0	5.0
15. NW MID N	458.0	1175.0	5.0
16. NW 164 N	576.0	1005.0	5.0
17. NW 82 N	620.0	936.0	5.0
18. NW CNR	640.0	845.0	5.0
19. NW 82 W	555.0	823.0	5.0
20. NW 164 W	472.0	823.0	5.0
21. NW MID W	227.0	823.0	5.0
22. SW MID W	297.0	673.0	5.0
23. SW 164 W	617.0	676.0	5.0
24. SW 82 W	699.0	678.0	5.0
25. SW CNR	784.0	672.0	5.0
26. SW 82 S	828.0	601.0	5.0
27. SW 164 S	872.0	532.0	5.0
28. SW MID S	978.0	360.0	5.0

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JOB: Site 1 Security & Rolling Rd BDAM35 RUN: Site 1 Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) * CONCENTRATION (PPM)

(DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.3	.3	.6	.7	.3	.4	.0	.0	.0	.0	.0	.0	.0	.7	.7	1.2	.8	.2	.2
5.	.0	.3	.3	.7	.5	.3	.4	.0	.0	.0	.0	.0	.0	.0	.7	.7	1.1	.8	.3	.2
10.	.0	.1	.3	.7	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.2	.8	.4	.2
15.	.0	.1	.3	.7	.5	.3	.4	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.2	.9	.4	.2
20.	.0	.1	.3	.7	.5	.3	.5	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.1	.9	.4	.2
25.	.0	.1	.2	.6	.4	.3	.5	.0	.0	.0	.0	.0	.0	.0	.6	.5	1.1	.9	.4	.2
30.	.0	.1	.1	.6	.3	.2	.5	.0	.0	.0	.0	.0	.0	.0	.6	.5	1.1	.9	.4	.1
35.	.0	.1	.1	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.6	.5	1.1	.9	.4	.2
40.	.0	.0	.1	.5	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.1	.9	.3	.4
45.	.0	.1	.1	.4	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.0	.9	.4	.4
50.	.0	.1	.2	.4	.3	.3	.5	.0	.0	.0	.0	.0	.0	.0	.6	.7	1.1	.9	.4	.3
55.	.0	.2	.3	.2	.4	.4	.4	.1	.0	.0	.0	.0	.0	.0	.6	.8	1.1	.9	.4	.3
60.	.0	.1	.3	.3	.5	.5	.3	.2	.0	.0	.0	.0	.0	.0	.6	.8	1.1	.8	.5	.3
65.	.0	.0	.2	.5	.6	.5	.3	.2	.0	.0	.0	.0	.0	.0	.6	.8	1.2	.9	.5	.4
70.	.0	.0	.1	.5	.5	.4	.3	.2	.0	.0	.0	.0	.0	.0	.6	.8	1.1	.9	.5	.4
75.	.0	.0	.0	.3	.5	.3	.1	.5	.2	.1	.0	.0	.0	.0	.6	1.0	1.1	.9	.5	.4
80.	.0	.0	.0	.3	.3	.2	.1	.5	.4	.3	.0	.0	.0	.0	.6	1.1	1.1	.9	.5	.4
85.	.0	.0	.0	.0	.1	.1	.0	.6	.7	.6	.1	.0	.0	.0	.6	1.1	1.1	.9	.5	.4
90.	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.3	.0	.0	.0	.6	1.2	1.1	1.0	.5	.3
95.	.0	.0	.0	.0	.0	.0	.0	.8	.6	1.0	.6	.0	.0	.0	.7	1.2	1.1	.9	.4	.4
100.	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.0	.7	.1	.0	.0	.7	1.3	1.2	1.1	.4	.4
105.	.0	.0	.0	.0	.0	.0	.0	.8	.8	.9	.9	.3	.0	.0	.7	1.3	1.2	1.1	.4	.4
110.	.0	.0	.0	.0	.0	.0	.0	.8	.7	1.2	1.1	.4	.0	.0	.7	1.4	1.4	.9	.6	.4
115.	.1	.0	.0	.0	.0	.0	.0	.6	.7	1.3	1.1	.5	.2	.0	.7	1.5	1.3	.7	.8	.5
120.	.1	.0	.0	.0	.0	.0	.0	.6	.7	1.2	1.2	.5	.4	.1	.7	1.5	1.2	.7	.9	.6
125.	.1	.0	.0	.0	.0	.0	.0	.7	.7	1.4	1.2	.6	.4	.1	.9	1.3	1.1	.7	.9	.5
130.	.2	.1	.1	.0	.0	.0	.0	.7	.8	1.4	1.2	.6	.4	.1	.9	1.2	1.0	.7	.9	.5
135.	.2	.1	.1	.0	.0	.0	.0	.6	.9	1.2	1.0	.6	.4	.2	.8	1.2	1.0	.7	.8	.5
140.	.4	.3	.2	.1	.0	.0	.0	.6	.9	1.2	.9	.6	.4	.4	.7	1.1	1.0	.9	.6	.4
145.	.5	.4	.4	.2	.0	.0	.0	.5	1.0	1.2	1.0	1.0	.5	.7	.6	.7	.9	.8	.6	.3

150. *	.6	.4	.5	.2	.1	.0	.0	.5	1.0	1.2	1.1	1.1	1.0	.9	.4	.5	.6	.7	.5	.3
155. *	.7	.6	.7	.3	.2	.0	.0	.5	1.0	1.3	1.2	.9	1.2	1.0	.2	.3	.6	.5	.5	.3
160. *	.7	.6	.8	.4	.2	.0	.0	.6	1.3	1.3	1.2	.9	1.1	1.3	.1	.3	.3	.4	.5	.3
165. *	.8	.6	.8	.5	.2	.2	.0	.6	1.5	1.4	1.1	.8	1.1	1.4	.0	.1	.2	.5	.5	.3
170. *	.8	.6	1.0	.6	.2	.2	.0	.6	1.5	1.4	1.0	1.1	1.1	1.2	.0	.1	.1	.5	.4	.3
175. *	.8	.6	1.0	.6	.2	.2	.0	.6	1.4	1.4	.9	1.0	1.1	1.1	.0	.1	.1	.5	.4	.3
180. *	.7	.5	1.1	.5	.2	.2	.0	.6	1.4	1.5	.9	.9	1.3	1.1	.0	.1	.1	.5	.4	.3
185. *	.7	.5	1.0	.6	.3	.2	.0	.5	1.3	1.4	.9	.8	1.4	1.0	.0	.1	.2	.5	.4	.3
190. *	.7	.5	.9	.5	.3	.2	.0	.6	1.4	1.4	.9	.9	1.3	.9	.0	.1	.2	.6	.3	.3
195. *	.6	.6	.9	.7	.2	.2	.1	.6	1.4	1.4	.9	.9	1.3	.9	.0	.1	.2	.6	.3	.3
200. *	.6	.6	1.0	.7	.4	.2	.1	.7	1.4	1.4	.9	1.1	1.3	.8	.0	.1	.2	.5	.3	.3
205. *	.5	.5	.9	.8	.3	.2	.1	.6	1.3	1.3	.7	1.1	1.3	.8	.0	.1	.1	.4	.3	.3

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JOB: Site 1 Security & Rolling Rd BDAM35 RUN: Site 1 Build AM 2035

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.5	.5	.9	.8	.3	.2	.1	.7	1.3	1.3	.6	1.1	1.3	.5	.0	.1	.1	.3	.3	.3
215. *	.5	.7	.9	.8	.3	.1	.1	.6	1.3	1.2	.6	1.1	1.2	.5	.0	.1	.1	.3	.3	.3
220. *	.5	.7	.9	.7	.3	.2	.1	.6	1.4	1.1	.7	1.1	1.2	.6	.0	.1	.1	.3	.3	.2
225. *	.5	.7	.9	.7	.3	.2	.0	.6	1.4	1.2	.9	1.2	1.2	.6	.0	.1	.1	.3	.3	.2
230. *	.5	.8	.9	.7	.3	.2	.0	.6	1.4	1.0	1.1	1.1	1.3	.7	.0	.1	.1	.4	.3	.2
235. *	.5	.8	.9	.9	.4	.2	.0	.6	1.4	.8	1.1	1.2	1.2	.7	.0	.1	.1	.3	.4	.4
240. *	.5	.8	.9	.9	.4	.2	.0	.6	1.2	.8	.9	1.1	1.2	.7	.0	.1	.1	.2	.4	.4
245. *	.5	.9	.9	.9	.4	.2	.0	.9	1.2	.8	.9	1.1	1.3	.5	.0	.1	.1	.2	.3	.4
250. *	.5	.9	.9	.8	.4	.2	.1	.7	1.0	.9	1.1	1.1	1.4	.5	.0	.0	.1	.2	.4	.4
255. *	.5	.9	.9	.8	.4	.2	.1	.6	.8	.7	1.1	1.1	1.4	.6	.0	.0	.1	.2	.4	.4
260. *	.5	.9	.9	.8	.4	.2	.1	.5	.7	.9	1.2	1.1	1.2	.6	.0	.0	.1	.2	.4	.4
265. *	.5	.9	1.0	.8	.4	.2	.1	.4	.5	1.0	1.0	1.1	1.1	.7	.0	.0	.0	.1	.4	.4
270. *	.5	.9	1.0	.7	.3	.3	.1	.1	.6	.9	1.0	1.0	1.2	.7	.0	.0	.0	.1	.2	.2
275. *	.6	.9	1.0	.7	.4	.1	.3	.1	.4	.9	1.0	1.1	1.2	.7	.0	.0	.0	.1	.2	.2
280. *	.6	.9	1.0	.8	.3	.2	.4	.1	.4	.7	.9	1.2	1.2	.7	.0	.0	.0	.0	.1	.1
285. *	.6	1.0	1.1	.8	.1	.3	.4	.0	.3	.5	.7	1.2	1.3	.7	.0	.0	.0	.0	.1	.1
290. *	.6	1.0	1.0	.7	.1	.5	.3	.0	.2	.4	.7	1.2	1.2	.8	.0	.0	.0	.0	.0	.0
295. *	.6	1.0	1.0	.6	.3	.7	.3	.0	.3	.5	.8	1.3	1.0	.9	.0	.0	.0	.0	.0	.0
300. *	.7	1.0	1.0	.7	.5	.9	.4	.0	.2	.6	.9	1.4	1.1	.9	.0	.0	.0	.0	.0	.0
305. *	.8	1.0	1.1	.8	.8	1.1	.3	.0	.2	.4	.7	1.3	1.1	.9	.1	.1	.0	.0	.0	.0
310. *	.8	.9	.8	.9	1.0	1.0	.3	.0	.2	.2	.6	1.1	1.1	.9	.1	.1	.1	.0	.0	.0
315. *	.8	.8	1.0	.8	1.0	.9	.3	.0	.2	.2	.6	1.2	1.1	.9	.2	.2	.1	.1	.0	.0
320. *	.8	.8	1.2	.8	1.0	.7	.3	.0	.0	.2	.4	.9	.8	.8	.4	.4	.4	.1	.0	.0
325. *	.7	.8	.9	.8	.9	.5	.4	.0	.0	.1	.2	.6	.7	.7	.5	.4	.4	.2	.0	.0
330. *	.6	.5	.6	.7	.8	.4	.4	.0	.0	.0	.2	.4	.4	.5	.6	.7	.7	.3	.1	.0
335. *	.3	.3	.3	.7	.8	.4	.4	.0	.0	.0	.1	.3	.4	.4	.7	.7	.8	.5	.2	.0
340. *	.3	.4	.2	.7	.9	.5	.4	.0	.0	.0	.0	.2	.2	.2	.8	.8	.8	.7	.2	.1
345. *	.1	.3	.3	.7	.7	.4	.4	.0	.0	.0	.0	.0	.1	.1	.8	.8	1.0	.7	.2	.2
350. *	.1	.2	.3	.8	.7	.3	.4	.0	.0	.0	.0	.0	.1	.1	.8	.8	1.0	.7	.2	.2
355. *	.1	.2	.3	.7	.7	.3	.4	.0	.0	.0	.0	.0	.0	.1	.7	.8	1.2	.8	.2	.2
360. *	.0	.3	.3	.6	.7	.3	.4	.0	.0	.0	.0	.0	.0	.0	.7	.7	1.2	.8	.2	.2
MAX *	.8	1.0	1.2	.9	1.0	1.1	.5	.9	1.5	1.5	1.2	1.4	1.4	1.4	.9	1.5	1.4	1.1	.9	.6
DEGR. *	310	285	320	310	310	305	20	245	165	180	260	300	185	165	130	115	110	100	130	120

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JOB: Site 1 Security & Rolling Rd BDAM35 RUN: Site 1 Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.3	.9	.9	.9	.7	1.2	.8
5. *	.1	.3	.8	.8	.6	.7	1.2	.6
10. *	.1	.3	.9	.7	.7	.8	1.3	.6
15. *	.1	.4	.9	.7	.7	.9	1.1	.6
20. *	.2	.3	.9	.5	.8	1.0	1.1	.6
25. *	.2	.3	.9	.7	.7	1.0	1.0	.6
30. *	.2	.2	.9	.5	.6	1.1	1.1	.6
35. *	.2	.2	.7	.4	.9	1.1	.9	.6
40. *	.2	.2	.7	.3	1.0	1.1	.8	.6
45. *	.2	.2	.4	.3	1.0	1.3	.8	.6
50. *	.0	.1	.3	.3	.9	1.2	.8	.6
55. *	.0	.1	.4	.5	1.0	1.1	.8	.6
60. *	.0	.1	.3	.5	.9	1.0	.7	.6
65. *	.0	.2	.4	.5	.9	1.0	.7	.6
70. *	.0	.2	.4	.7	.9	.9	.7	.6
75. *	.1	.2	.4	.7	.9	.8	.7	.6
80. *	.1	.2	.4	.6	.9	.8	.7	.6
85. *	.1	.0	.1	.6	.8	.9	.7	.6
90. *	.2	.0	.2	.3	.8	.9	.7	.6
95. *	.2	.0	.3	.4	.8	.9	.7	.6
100. *	.3	.0	.3	.4	.8	.9	.7	.6
105. *	.3	.0	.2	.4	.9	.9	.8	.6

110.	*	.3	.0	.2	.4	1.0	.9	.8	.7
115.	*	.4	.0	.2	.4	1.1	.9	.8	.7
120.	*	.4	.0	.4	.4	1.1	1.0	.8	.7
125.	*	.4	.0	.3	.5	1.1	1.1	.9	.7
130.	*	.3	.0	.2	.4	1.1	1.0	.9	.8
135.	*	.3	.0	.2	.3	1.0	.9	.8	.8
140.	*	.3	.0	.1	.3	.8	.9	.8	.6
145.	*	.3	.0	.0	.2	.7	.7	.7	.5
150.	*	.3	.0	.0	.1	.6	.7	.5	.4
155.	*	.3	.0	.0	.0	.3	.5	.5	.3
160.	*	.3	.0	.0	.0	.2	.3	.2	.2
165.	*	.3	.0	.0	.0	.1	.1	.2	.1
170.	*	.3	.0	.0	.0	.1	.1	.1	.1
175.	*	.3	.0	.0	.0	.0	.0	.0	.0
180.	*	.3	.0	.0	.0	.0	.0	.0	.0
185.	*	.3	.0	.0	.0	.0	.0	.0	.0
190.	*	.3	.0	.0	.0	.0	.0	.0	.0
195.	*	.3	.0	.0	.0	.0	.0	.0	.0
200.	*	.3	.0	.0	.0	.0	.0	.0	.0
205.	*	.3	.0	.0	.0	.0	.0	.0	.0

1

JOB: Site 1 Security & Rolling Rd BDAM35 RUN: Site 1 Build AM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.4	.0	.0	.0	.0	.0	.0	.0
240.	*	.4	.0	.0	.0	.0	.0	.0	.0
245.	*	.4	.0	.0	.0	.0	.0	.0	.0
250.	*	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.4	.0	.0	.0	.0	.0	.0	.0
260.	*	.4	.0	.0	.0	.0	.0	.0	.0
265.	*	.2	.0	.0	.0	.0	.0	.0	.0
270.	*	.2	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.1	.1	.1	.2	.0	.0	.0
280.	*	.1	.1	.2	.1	.2	.0	.1	.0
285.	*	.1	.2	.1	.3	.3	.1	.1	.0
290.	*	.0	.2	.1	.3	.3	.1	.1	.0
295.	*	.0	.2	.2	.3	.3	.2	.2	.0
300.	*	.0	.2	.2	.4	.3	.2	.1	.0
305.	*	.0	.2	.2	.4	.3	.2	.2	.0
310.	*	.0	.2	.3	.4	.3	.1	.3	.1
315.	*	.0	.2	.3	.4	.3	.2	.3	.2
320.	*	.0	.2	.3	.5	.9	.4	.3	.2
325.	*	.0	.2	.3	.6	.8	.8	.8	.5
330.	*	.0	.2	.5	.6	.9	.8	.9	.6
335.	*	.0	.2	.5	.8	1.1	.9	1.1	.7
340.	*	.0	.2	.6	1.0	1.2	.9	1.2	.8
345.	*	.0	.2	.6	1.0	1.2	.9	1.1	.9
350.	*	.0	.2	.6	.9	1.2	.7	1.0	.9
355.	*	.0	.2	.9	.9	1.1	.7	1.2	.9
360.	*	.0	.3	.9	.9	.9	.7	1.2	.8
MAX	*	.4	.4	.9	1.0	1.2	1.3	1.3	.9
DEGR.	*	115	15	0	340	340	45	10	345

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 165 DEGREES FROM REC9 .
THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 180 DEGREES FROM REC10.
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 115 DEGREES FROM REC16.

```
Site 1 Security & Rolling Rd BDPM21     60.0321.0.0000.000280.30480000    1    1
SE MID S                 1101.      343.       5.0
SE 164 S                 1005.      506.       5.0
SE 82 S                   963.      576.       5.0
SE CNR                    942.      667.       5.0
SE 82 E                  1023.      680.       5.0
SE 164 E                 1104.      686.       5.0
SE MID E                 1348.      718.       5.0
NE MID E                 1286.      871.       5.0
NE 164 E                 1010.      837.       5.0
NE 82 E                   929.      834.       5.0
NE CNR                    843.      845.       5.0
NE 82 N                   760.      904.       5.0
NE 164 N                  710.      971.       5.0
NE MID N                  621.     1102.       5.0
NW MID N                  458.     1175.       5.0
NW 164 N                  576.     1005.       5.0
NW 82 N                   620.      936.       5.0
NW CNR                    640.      845.       5.0
NW 82 W                   555.      823.       5.0
NW 164 W                  472.      823.       5.0
NW MID W                  227.      823.       5.0
SW MID W                  297.      673.       5.0
SW 164 W                  617.      676.       5.0
SW 82 W                   699.      678.       5.0
SW CNR                    784.      672.       5.0
SW 82 S                   828.      601.       5.0
SW 164 S                  872.      532.       5.0
SW MID S                  978.      360.       5.0
Site 1 Build PM 2021                     55  1   0
  1
EB        Sec ap    AG  -195.   748.   388.   749.   1065. 8.3   0  44   40.
  1
EB        Sec thru  AG   388.   749.   814.   748.    735. 8.3   0  44   40.
  2
EB        Sec thru  AG   695.   748.   481.   749.      0.  24   2
       150        95       2.0  735   43.6 1846 1 3
  1
EB        Sec left  AG   388.   749.   516.   766.    215. 8.3   0  32   40.
  1
EB        Sec left  AG   516.   766.   795.   767.    215. 8.3   0  32   40.
  2
EB        Sec left  AG   695.   767.   527.   766.      0.  12   1
       150       122       2.0  215   43.6 1909 1 3
  1
EB        Sec right AG   388.   749.   521.   732.    115. 8.3   0  32   40.
  1
EB        Sec right AG   521.   732.   731.   733.    115. 8.3   0  32   40.
  2
EB        Sec right AG   696.   733.   534.   732.      0.  12   1
       150        73       2.0  115   43.6 1708 1 3
  1
EB        Sec right AG   731.   733.   798.   705.    115. 8.3   0  32   40.
  1
EB        Sec dep1  AG   814.   748.   988.   745.   1030. 8.3   0  44   40.
  1
EB        Sec dep2  AG   988.   745.  1211.   768.   1395. 8.3   0  44   40.
  1
EB        Sec dep2  AG  1211.   768.  1402.   802.   1395. 8.3   0  68   40.
  1
EB        Sec dep2  AG  1402.   802.  1792.   918.   1395. 8.3   0  68   40.
  1
WB        Sec ap    AG  1782.   976.  1409.   857.   1415. 8.3   0  68   40.
  1
WB        Sec ap    AG  1409.   857.  1217.   821.   1415. 8.3   0  68   40.
  1
WB        Sec thru  AG  1217.   821.  1018.   800.    460. 8.3   0  44   40.
  1
WB        Sec thru  AG  1018.   800.   792.   795.    460. 8.3   0  44   40.
  2
WB        Sec thru  AG   888.   797.  1002.   800.      0.  24   2
       150        92       2.0  460   43.6 1810 1 3
  1
WB        Sec left  AG  1217.   821.  1087.   784.    450. 8.3   0  44   40.
  1
WB        Sec left  AG  1087.   784.   807.   774.    450. 8.3   0  44   40.
  2
WB        Sec left  AG   888.   777.  1050.   783.      0.  24   2
       150       119       2.0  450   43.6 1817 1 3
  1
WB        Sec right AG  1217.   821.  1055.   821.    505. 8.3   0  32   40.
```

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  1
WB        Sec right AG  1055.   821.   877.   815.    505. 8.3   0  32   40.
  1
WB        Sec right AG   877.   815.   756.   857.    505. 8.3   0  32   40.
  2
WB        Sec right AG   800.   842.   869.   818.      0.  12   1
       150        92       2.0  505   43.6 1708 1 3
  1
WB        Sec dep1  AG   792.   795.   625.   792.    495. 8.3   0  56   40.
  1
WB        Sec dep2  AG   625.   792.  -192.   791.    645. 8.3   0  44   40.
  1
NB        Rol ap    AG  1344.   -76.   983.   484.   1170. 8.5   0  44   45.
  1
NB        Rol thru  AG   983.   484.   806.   758.    770. 8.5   0  44   45.
  2
NB        Rol thru  AG   859.   677.   972.   501.      0.  24   2
       150       107       2.0  770   43.6 1846 1 3
  1
NB        Rol left  AG   983.   484.   916.   556.     35. 8.5   0  32   45.
  1
NB        Rol left  AG   916.   556.   791.   756.     35. 8.5   0  32   45.
  2
NB        Rol left  AG   842.   675.   911.   564.      0.  12   1
       150       121       2.0   35   43.6 1909 1 3
  1
NB        Rol right AG   983.   484.   934.   583.    365. 8.5   0  32   45.
  1
NB        Rol right AG   934.   583.   903.   646.    365. 8.5   0  32   45.
  1
NB        Rol right AG   903.   646.   933.   711.    365. 8.5   0  32   45.
  2
NB        Rol right AG   926.   695.   905.   652.      0.  12   1
       150        82       2.0  365   43.6 1538 1 3
  1
NB        Rol right AG   933.   711.   988.   745.    365. 8.5   0  32   45.
  1
NB        Rol dep1  AG   806.   758.   756.   857.    985. 8.5   0  44   45.
  1
NB        Rol dep2  AG   756.   857.   680.   973.   1490. 8.5   0  44   45.
  1
NB        Rol dep2  AG   680.   973.   254.  1593.   1490. 8.5   0  44   45.
  1
SB        Rol ap    AG   220.  1574.   573.  1068.    960. 8.5   0  44   45.
  1
SB        Rol thru  AG   573.  1068.   759.   776.    515. 8.5   0  44   45.
  2
SB        Rol thru  AG   722.   833.   608.  1014.      0.  24   2
       150       115       2.0  515   43.6 1846 1 3
  1
SB        Rol left  AG   573.  1068.   665.   954.    295. 8.5   0  44   45.
  1
SB        Rol left  AG   665.   954.   785.   779.    295. 8.5   0  44   45.
  2
SB        Rol left  AG   748.   833.   668.   950.      0.  24   2
       150       129       2.0  295   43.6 1791 1 3
  1
SB        Rol right AG   573.  1068.   671.   890.    150. 8.5   0  32   45.
  1
SB        Rol right AG   671.   890.   661.   833.    150. 8.5   0  32   45.
  2
SB        Rol right AG   669.   883.   662.   839.      0.  12   1
       150       115       2.0  150   43.6 1708 1 3
  1
SB        Rol right AG   661.   833.   625.   792.    150. 8.5   0  32   45.
  1
SB        Rol dep1  AG   759.   776.   798.   705.    965. 8.5   0  44   45.
  1
SB        Rol dep2  AG   798.   705.   945.   461.   1080. 8.5   0  44   45.
  1
SB        Rol dep2  AG   945.   461.  1314.   -98.   1080. 8.5   0  44   45.
1.0   04  1000   0Y  5  0 72
```

JOB: Site 1 Security & Rolling Rd BDPM21 RUN: Site 1 Build PM 2021
DATE: 09/05/2012 TIME: 15:00:32.02

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Sec ap	-195.0	748.0	388.0	749.0	583.	90.	AG	1065.	8.3	.0	44.0		
2. EB	Sec thru	388.0	749.0	814.0	748.0	426.	90.	AG	735.	8.3	.0	44.0		
3. EB	Sec thru	695.0	748.0	504.4	748.9	191.	270.	AG	148.	100.0	.0	24.0	.59	9.7
4. EB	Sec left	388.0	749.0	516.0	766.0	129.	82.	AG	215.	8.3	.0	32.0		
5. EB	Sec left	516.0	766.0	795.0	767.0	279.	90.	AG	215.	8.3	.0	32.0		
6. EB	Sec left	695.0	767.0	549.4	766.1	146.	270.	AG	95.	100.0	.0	12.0	.70	7.4
7. EB	Sec right	388.0	749.0	521.0	732.0	134.	97.	AG	115.	8.3	.0	32.0		
8. EB	Sec right	521.0	732.0	731.0	733.0	210.	90.	AG	115.	8.3	.0	32.0		
9. EB	Sec right	696.0	733.0	650.1	732.7	46.	270.	AG	57.	100.0	.0	12.0	.14	2.3
10. EB	Sec right	731.0	733.0	798.0	705.0	73.	113.	AG	115.	8.3	.0	32.0		
11. EB	Sec dep1	814.0	748.0	988.0	745.0	174.	91.	AG	1030.	8.3	.0	44.0		
12. EB	Sec dep2	988.0	745.0	1211.0	768.0	224.	84.	AG	1395.	8.3	.0	44.0		
13. EB	Sec dep2	1211.0	768.0	1402.0	802.0	194.	80.	AG	1395.	8.3	.0	68.0		
14. EB	Sec dep2	1402.0	802.0	1792.0	918.0	407.	73.	AG	1395.	8.3	.0	68.0		
15. WB	Sec ap	1782.0	976.0	1409.0	857.0	392.	252.	AG	1415.	8.3	.0	68.0		
16. WB	Sec ap	1409.0	857.0	1217.0	821.0	195.	259.	AG	1415.	8.3	.0	68.0		
17. WB	Sec thru	1217.0	821.0	1018.0	800.0	200.	264.	AG	460.	8.3	.0	44.0		
18. WB	Sec thru	1018.0	800.0	792.0	795.0	226.	269.	AG	460.	8.3	.0	44.0		
19. WB	Sec thru	888.0	797.0	1003.7	800.0	116.	88.	AG	143.	100.0	.0	24.0	.35	5.9
20. WB	Sec left	1217.0	821.0	1087.0	784.0	135.	254.	AG	450.	8.3	.0	44.0		
21. WB	Sec left	1087.0	784.0	807.0	774.0	280.	268.	AG	450.	8.3	.0	44.0		
22. WB	Sec left	888.0	777.0	1034.5	782.4	147.	88.	AG	186.	100.0	.0	24.0	.69	7.4
23. WB	Sec right	1217.0	821.0	1055.0	821.0	162.	270.	AG	505.	8.3	.0	32.0		
24. WB	Sec right	1055.0	821.0	877.0	815.0	178.	268.	AG	505.	8.3	.0	32.0		
25. WB	Sec right	877.0	815.0	756.0	857.0	128.	289.	AG	505.	8.3	.0	32.0		
26. WB	Sec right	800.0	842.0	1047.4	755.9	262.	109.	AG	72.	100.0	.0	12.0	.82	13.3
27. WB	Sec dep1	792.0	795.0	625.0	792.0	167.	269.	AG	495.	8.3	.0	56.0		
28. WB	Sec dep2	625.0	792.0	-192.0	791.0	817.	270.	AG	645.	8.3	.0	44.0		
29. NB	Rol ap	1344.0	-76.0	983.0	484.0	666.	327.	AG	1170.	8.5	.0	44.0		
30. NB	Rol thru	983.0	484.0	806.0	758.0	326.	327.	AG	770.	8.5	.0	44.0		
31. NB	Rol thru	859.0	677.0	985.4	480.1	234.	147.	AG	167.	100.0	.0	24.0	.80	11.9
32. NB	Rol left	983.0	484.0	916.0	556.0	98.	317.	AG	35.	8.5	.0	32.0		
33. NB	Rol left	916.0	556.0	791.0	756.0	236.	328.	AG	35.	8.5	.0	32.0		
34. NB	Rol left	842.0	675.0	854.2	655.3	23.	148.	AG	94.	100.0	.0	12.0	.11	1.2
35. NB	Rol right	983.0	484.0	934.0	583.0	110.	334.	AG	365.	8.5	.0	32.0		
36. NB	Rol right	934.0	583.0	903.0	646.0	70.	334.	AG	365.	8.5	.0	32.0		
37. NB	Rol right	903.0	646.0	933.0	711.0	72.	25.	AG	365.	8.5	.0	32.0		
38. NB	Rol right	926.0	695.0	854.2	547.9	164.	206.	AG	64.	100.0	.0	12.0	.56	8.3
39. NB	Rol right	933.0	711.0	988.0	745.0	65.	58.	AG	365.	8.5	.0	32.0		
40. NB	Rol dep1	806.0	758.0	756.0	857.0	111.	333.	AG	985.	8.5	.0	44.0		
41. NB	Rol dep2	756.0	857.0	680.0	973.0	139.	327.	AG	1490.	8.5	.0	44.0		
42. NB	Rol dep2	680.0	973.0	254.0	1593.0	752.	326.	AG	1490.	8.5	.0	44.0		
43. SB	Rol ap	220.0	1574.0	573.0	1068.0	617.	145.	AG	960.	8.5	.0	44.0		
44. SB	Rol thru	573.0	1068.0	759.0	776.0	346.	148.	AG	515.	8.5	.0	44.0		

JOB: Site 1 Security & Rolling Rd BDPM21 RUN: Site 1 Build PM 2021
DATE: 09/05/2012 TIME: 15:00:32.02

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	Rol thru	722.0	833.0	635.9	969.7	162.	328.	AG	179.	100.0	.0	24.0	.67	8.2
46. SB	Rol left	573.0	1068.0	665.0	954.0	146.	141.	AG	295.	8.5	.0	44.0		
47. SB	Rol left	665.0	954.0	785.0	779.0	212.	146.	AG	295.	8.5	.0	44.0		
48. SB	Rol left	748.0	833.0	686.1	923.5	110.	326.	AG	201.	100.0	.0	24.0	.73	5.6
49. SB	Rol right	573.0	1068.0	671.0	890.0	203.	151.	AG	150.	8.5	.0	32.0		
50. SB	Rol right	671.0	890.0	661.0	833.0	58.	190.	AG	150.	8.5	.0	32.0		
51. SB	Rol right	669.0	883.0	654.2	789.8	94.	189.	AG	90.	100.0	.0	12.0	.43	4.8
52. SB	Rol right	661.0	833.0	625.0	792.0	55.	221.	AG	150.	8.5	.0	32.0		
53. SB	Rol dep1	759.0	776.0	798.0	705.0	81.	151.	AG	965.	8.5	.0	44.0		
54. SB	Rol dep2	798.0	705.0	945.0	461.0	285.	149.	AG	1080.	8.5	.0	44.0		
55. SB	Rol dep2	945.0	461.0	1314.0	-98.0	670.	147.	AG	1080.	8.5	.0	44.0		

JOB: Site 1 Security & Rolling Rd BDPM21 RUN: Site 1 Build PM 2021
DATE: 09/05/2012 TIME: 15:00:32.02

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE

3. EB	Sec thru	150	95	2.0	735	1846	43.60	1	3
6. EB	Sec left	150	122	2.0	215	1909	43.60	1	3
9. EB	Sec right	150	73	2.0	115	1708	43.60	1	3
19. WB	Sec thru	150	92	2.0	460	1810	43.60	1	3
22. WB	Sec left	150	119	2.0	450	1817	43.60	1	3
26. WB	Sec right	150	92	2.0	505	1708	43.60	1	3
31. NB	Rol thru	150	107	2.0	770	1846	43.60	1	3
34. NB	Rol left	150	121	2.0	35	1909	43.60	1	3
38. NB	Rol right	150	82	2.0	365	1538	43.60	1	3
45. SB	Rol thru	150	115	2.0	515	1846	43.60	1	3
48. SB	Rol left	150	129	2.0	295	1791	43.60	1	3
51. SB	Rol right	150	115	2.0	150	1708	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1101.0	343.0	5.0
2. SE 164 S	1005.0	506.0	5.0
3. SE 82 S	963.0	576.0	5.0
4. SE CNR	942.0	667.0	5.0
5. SE 82 E	1023.0	680.0	5.0
6. SE 164 E	1104.0	686.0	5.0
7. SE MID E	1348.0	718.0	5.0
8. NE MID E	1286.0	871.0	5.0
9. NE 164 E	1010.0	837.0	5.0
10. NE 82 E	929.0	834.0	5.0
11. NE CNR	843.0	845.0	5.0
12. NE 82 N	760.0	904.0	5.0
13. NE 164 N	710.0	971.0	5.0
14. NE MID N	621.0	1102.0	5.0
15. NW MID N	458.0	1175.0	5.0
16. NW 164 N	576.0	1005.0	5.0
17. NW 82 N	620.0	936.0	5.0
18. NW CNR	640.0	845.0	5.0
19. NW 82 W	555.0	823.0	5.0
20. NW 164 W	472.0	823.0	5.0
21. NW MID W	227.0	823.0	5.0
22. SW MID W	297.0	673.0	5.0
23. SW 164 W	617.0	676.0	5.0
24. SW 82 W	699.0	678.0	5.0
25. SW CNR	784.0	672.0	5.0
26. SW 82 S	828.0	601.0	5.0
27. SW 164 S	872.0	532.0	5.0
28. SW MID S	978.0	360.0	5.0

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JOB: Site 1 Security & Rolling Rd BDPM21 RUN: Site 1 Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) * CONCENTRATION (PPM)

(DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.2	.3	.5	.5	.2	.4	.0	.0	.0	.0	.0	.0	.0	.6	.5	.7	.5	.2	.2
5.	.0	.2	.2	.6	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.4	.1	.2
10.	.0	.1	.2	.6	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.6	.6	.5	.5	.1	.2
15.	.0	.1	.2	.6	.3	.2	.4	.0	.0	.0	.0	.0	.0	.0	.5	.4	.6	.6	.1	.1
20.	.0	.1	.2	.7	.2	.2	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.6	.7	.1	.1
25.	.0	.1	.1	.6	.2	.2	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.6	.8	.2	.1
30.	.0	.1	.1	.5	.2	.2	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.7	.2	.1
35.	.0	.1	.1	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.9	.2	.1
40.	.0	.0	.1	.2	.2	.4	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.9	.3	.1
45.	.0	.1	.1	.3	.2	.4	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.9	1.0	.3	.2
50.	.0	.1	.1	.3	.3	.3	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.8	1.0	.3	.2
55.	.0	.1	.2	.2	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	1.0	.4	.1
60.	.0	.1	.1	.3	.5	.5	.3	.2	.0	.0	.0	.0	.0	.0	.4	.4	.7	1.1	.4	.2
65.	.0	.0	.1	.4	.5	.5	.3	.2	.0	.0	.0	.0	.0	.0	.4	.4	.7	1.1	.3	.3
70.	.0	.0	.0	.5	.5	.4	.3	.2	.0	.1	.0	.0	.0	.0	.4	.4	.8	.9	.4	.3
75.	.0	.0	.0	.3	.4	.3	.1	.5	.2	.1	.0	.0	.0	.0	.4	.4	.7	.9	.4	.3
80.	.0	.0	.0	.2	.3	.2	.1	.5	.5	.2	.0	.0	.0	.0	.4	.4	.7	.8	.4	.3
85.	.0	.0	.0	.0	.1	.1	.0	.6	.7	.4	.1	.0	.0	.0	.4	.4	.8	.9	.3	.3
90.	.0	.0	.0	.0	.0	.0	.0	.7	.7	.6	.2	.0	.0	.0	.4	.4	.8	1.0	.4	.3
95.	.0	.0	.0	.0	.0	.0	.0	.7	.6	.7	.5	.0	.0	.0	.5	.5	.9	1.0	.5	.3
100.	.0	.0	.0	.0	.0	.0	.0	.7	.6	.8	.7	.0	.0	.0	.5	.6	1.1	.8	.5	.4
105.	.0	.0	.0	.0	.0	.0	.0	.7	.6	.8	.9	.2	.0	.0	.6	.7	1.1	.9	.5	.5
110.	.0	.0	.0	.0	.0	.0	.0	.7	.5	.8	1.1	.4	.0	.0	.6	.7	1.4	.9	.5	.5
115.	.1	.0	.0	.0	.0	.0	.0	.6	.5	1.1	1.1	.4	.2	.1	.6	.8	1.4	.7	.6	.7
120.	.1	.0	.0	.0	.0	.0	.0	.6	.5	1.1	1.2	.4	.2	.1	.5	.8	1.4	.8	.6	.7
125.	.1	.0	.0	.0	.0	.0	.0	.6	.5	1.3	1.2	.5	.2	.1	.5	.7	1.2	.8	.8	.6
130.	.2	.1	.1	.0	.0	.0	.0	.7	.6	1.2	1.2	.6	.3	.1	.5	.7	1.1	.8	.8	.6
135.	.2	.1	.1	.0	.0	.0	.0	.6	.6	1.2	.9	.5	.4	.3	.5	.7	1.0	.8	.6	.5
140.	.3	.2	.1	.1	.0	.0	.0	.5	.7	1.3	.9	.6	.3	.4	.5	.6	.8	.9	.6	.5
145.	.5	.4	.4	.1	.0	.0	.0	.5	.6	1.3	1.1	.8	.6	.6	.4	.5	.7	1.0	.6	.5

150. *	.6	.4	.5	.2	.1	.0	.0	.5	.6	1.2	1.2	1.0	.8	.7	.2	.4	.6	.7	.6	.4
155. *	.6	.5	.6	.3	.1	.0	.0	.5	.7	1.2	1.2	.9	1.0	.9	.1	.2	.4	.6	.6	.4
160. *	.7	.6	.8	.4	.2	.0	.0	.5	.9	1.3	1.3	.7	1.1	.9	.0	.2	.3	.6	.6	.4
165. *	.7	.6	.9	.5	.2	.1	.0	.6	1.0	1.4	1.1	.9	1.3	1.0	.0	.1	.3	.5	.6	.4
170. *	.7	.6	1.0	.5	.2	.2	.0	.6	1.0	1.4	.9	.9	1.2	.9	.0	.1	.4	.6	.6	.3
175. *	.7	.6	.8	.6	.2	.2	.0	.6	1.3	1.5	.9	.9	1.2	.7	.0	.1	.3	.6	.6	.3
180. *	.6	.5	1.0	.5	.2	.2	.0	.5	1.3	1.5	.9	.9	1.2	.9	.0	.1	.3	.6	.6	.3
185. *	.6	.5	1.0	.5	.3	.2	.0	.5	1.0	1.4	.9	1.0	1.3	.9	.0	.1	.3	.5	.6	.3
190. *	.6	.5	.9	.5	.3	.2	.0	.5	1.2	1.4	.8	1.0	1.5	.8	.0	.1	.2	.5	.5	.3
195. *	.6	.6	.9	.6	.2	.2	.0	.5	1.2	1.4	1.1	1.1	1.5	.7	.0	.0	.2	.5	.5	.3
200. *	.6	.6	.8	.6	.2	.2	.0	.5	1.3	1.4	1.0	1.3	1.3	.5	.0	.0	.3	.5	.5	.3
205. *	.5	.4	.8	.7	.3	.2	.1	.5	1.3	1.3	.8	1.3	1.3	.5	.0	.0	.3	.5	.4	.3

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JOB: Site 1 Security & Rolling Rd BDPM21 RUN: Site 1 Build PM 2021

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.5	.5	.8	.7	.3	.1	.1	.5	1.5	1.3	.7	1.2	1.3	.5	.0	.0	.3	.5	.4	.3
215. *	.5	.6	.9	.7	.3	.1	.0	.5	1.5	1.3	.7	1.4	1.1	.5	.0	.0	.2	.5	.4	.3
220. *	.5	.6	.9	.6	.3	.1	.0	.5	1.5	1.1	.7	1.5	1.1	.5	.0	.0	.1	.5	.4	.4
225. *	.5	.7	.9	.7	.3	.2	.0	.5	1.5	1.0	.7	1.6	1.0	.5	.0	.1	.1	.4	.4	.4
230. *	.5	.8	.9	.6	.4	.2	.0	.6	1.2	.9	.9	1.6	.9	.6	.0	.1	.1	.4	.3	.4
235. *	.6	.8	.9	.7	.4	.3	.0	.6	1.2	.8	.8	1.5	.9	.5	.0	.1	.2	.3	.3	.3
240. *	.5	1.0	.9	.7	.4	.3	.0	.7	1.1	.8	.8	1.7	.9	.5	.0	.1	.2	.3	.4	.3
245. *	.5	.8	.9	.6	.4	.3	.0	.8	1.1	.9	.8	1.6	1.0	.5	.0	.1	.2	.4	.4	.3
250. *	.5	.8	.9	.6	.4	.3	.1	.6	1.0	.7	1.1	1.6	1.0	.5	.0	.0	.2	.3	.4	.4
255. *	.5	.8	.9	.6	.4	.3	.1	.6	1.0	.7	1.2	1.4	.7	.5	.0	.0	.2	.2	.3	.4
260. *	.5	.8	.9	.6	.4	.3	.1	.4	.9	.7	1.2	1.4	.7	.6	.0	.0	.0	.2	.3	.3
265. *	.5	.9	.9	.6	.3	.3	.1	.2	.5	1.0	1.0	1.3	.8	.6	.0	.0	.0	.2	.3	.3
270. *	.5	.9	1.0	.6	.3	.1	.1	.1	.5	.6	1.0	1.2	.7	.6	.0	.0	.0	.2	.3	.3
275. *	.6	.9	1.0	.7	.4	.1	.3	.1	.3	.7	.9	1.2	.7	.7	.0	.0	.0	.1	.2	.2
280. *	.6	1.0	1.0	.7	.4	.2	.3	.1	.4	.5	1.0	1.0	.8	.7	.0	.0	.0	.0	.1	.1
285. *	.6	1.0	1.1	.7	.3	.3	.3	.0	.4	.4	.9	1.0	.8	.7	.0	.0	.0	.0	.1	.1
290. *	.6	1.0	1.1	.7	.2	.5	.3	.1	.3	.3	.8	1.0	.8	.7	.0	.0	.0	.0	.0	.0
295. *	.6	1.0	1.2	.6	.2	.5	.3	.1	.1	.4	.9	.9	.9	.8	.0	.0	.0	.0	.0	.0
300. *	.7	1.1	1.1	.6	.3	.7	.4	.1	.1	.4	.7	.8	1.0	.8	.0	.0	.0	.0	.0	.0
305. *	.8	1.1	1.0	.7	.5	.9	.3	.0	.1	.2	.6	1.0	.8	.8	.0	.0	.0	.0	.0	.0
310. *	.8	1.0	.8	.8	.6	.8	.3	.0	.1	.2	.6	.9	.8	.9	.1	.1	.0	.0	.0	.0
315. *	.8	.9	.9	.8	.7	.8	.3	.0	.1	.1	.4	.7	.8	.9	.1	.1	.1	.0	.0	.0
320. *	.8	.8	.8	.7	.8	.7	.3	.0	.1	.1	.4	.7	.7	.7	.2	.2	.2	.0	.0	.0
325. *	.7	.7	.7	.5	.8	.5	.3	.0	.0	.1	.1	.6	.7	.7	.3	.3	.3	.2	.0	.0
330. *	.5	.4	.5	.5	.7	.3	.4	.0	.0	.0	.1	.5	.6	.5	.4	.4	.4	.2	.0	.0
335. *	.3	.3	.5	.7	.7	.3	.4	.0	.0	.0	.1	.3	.3	.3	.5	.4	.4	.3	.2	.0
340. *	.3	.4	.2	.5	.7	.2	.4	.0	.0	.0	.0	.2	.2	.2	.5	.6	.5	.4	.2	.0
345. *	.1	.1	.3	.5	.7	.2	.4	.0	.0	.0	.0	.1	.1	.1	.6	.6	.6	.5	.2	.2
350. *	.1	.1	.3	.6	.7	.2	.4	.0	.0	.0	.0	.0	.1	.1	.6	.6	.6	.5	.2	.2
355. *	.1	.1	.3	.6	.7	.2	.4	.0	.0	.0	.0	.0	.0	.1	.6	.5	.6	.4	.2	.2
360. *	.0	.2	.3	.5	.5	.2	.4	.0	.0	.0	.0	.0	.0	.0	.6	.5	.7	.5	.2	.2
MAX *	.8	1.1	1.2	.8	.8	.9	.5	.8	1.5	1.5	1.3	1.7	1.5	1.0	.6	.8	1.4	1.1	.8	.7
DEGR. *	305	300	295	310	320	305	20	245	210	175	160	240	190	165	0	115	110	60	125	115

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JOB: Site 1 Security & Rolling Rd BDPM21 RUN: Site 1 Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.2	.6	.8	.7	.5	1.0	.8
5. *	.0	.3	.6	.7	.5	.5	1.1	.6
10. *	.1	.3	.7	.6	.6	.6	1.1	.5
15. *	.1	.3	.8	.6	.7	.7	1.0	.6
20. *	.1	.3	.7	.5	.7	.8	.9	.5
25. *	.1	.3	.7	.3	.5	.8	.9	.5
30. *	.1	.3	.8	.3	.5	.9	.9	.5
35. *	.1	.3	.8	.3	.7	.9	.8	.5
40. *	.1	.2	.6	.3	.8	.9	.7	.5
45. *	.1	.2	.3	.3	.7	1.0	.7	.5
50. *	.1	.3	.2	.3	.8	.9	.7	.5
55. *	.1	.3	.2	.4	.8	.9	.7	.5
60. *	.1	.3	.2	.6	.8	.8	.6	.5
65. *	.0	.3	.2	.6	.8	.8	.6	.5
70. *	.0	.2	.3	.6	.7	.8	.6	.5
75. *	.0	.2	.3	.6	.8	.7	.6	.5
80. *	.1	.2	.2	.5	.7	.7	.6	.5
85. *	.1	.2	.2	.5	.6	.8	.6	.5
90. *	.1	.0	.3	.3	.6	.8	.6	.5
95. *	.4	.0	.3	.3	.6	.8	.6	.5
100. *	.4	.0	.3	.3	.6	.8	.6	.5
105. *	.5	.0	.3	.3	.6	.8	.7	.5

110.	*	.5	.0	.2	.3	.8	.8	.7	.6
115.	*	.4	.0	.2	.3	.8	.8	.7	.6
120.	*	.3	.0	.3	.3	.9	.9	.7	.6
125.	*	.3	.0	.3	.3	.8	1.0	.7	.6
130.	*	.3	.0	.2	.4	.9	.9	.8	.6
135.	*	.4	.0	.2	.3	.9	.8	.7	.6
140.	*	.4	.0	.1	.3	.7	.7	.7	.5
145.	*	.4	.0	.0	.2	.6	.6	.5	.4
150.	*	.4	.0	.0	.0	.5	.5	.5	.4
155.	*	.4	.0	.0	.0	.3	.3	.3	.2
160.	*	.4	.0	.0	.0	.1	.2	.2	.1
165.	*	.4	.0	.0	.0	.1	.1	.2	.1
170.	*	.4	.0	.0	.0	.0	.0	.0	.0
175.	*	.4	.0	.0	.0	.0	.0	.0	.0
180.	*	.4	.0	.0	.0	.0	.0	.0	.0
185.	*	.4	.0	.0	.0	.0	.0	.0	.0
190.	*	.4	.0	.0	.0	.0	.0	.0	.0
195.	*	.4	.0	.0	.0	.0	.0	.0	.0
200.	*	.4	.0	.0	.0	.0	.0	.0	.0
205.	*	.4	.0	.0	.0	.0	.0	.0	.0

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JOB: Site 1 Security & Rolling Rd BDPM21 RUN: Site 1 Build PM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.4	.0	.0	.0	.0	.0	.0	.0
215.	*	.4	.0	.0	.0	.0	.0	.0	.0
220.	*	.4	.0	.0	.0	.0	.0	.0	.0
225.	*	.4	.0	.0	.0	.0	.0	.0	.0
230.	*	.4	.0	.0	.0	.0	.0	.0	.0
235.	*	.4	.0	.0	.0	.0	.0	.0	.0
240.	*	.4	.0	.0	.0	.0	.0	.0	.0
245.	*	.4	.0	.0	.0	.0	.0	.0	.0
250.	*	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.1	.0	.0	.0	.0	.0
270.	*	.2	.1	.1	.1	.0	.0	.0	.0
275.	*	.1	.1	.1	.2	.3	.0	.0	.0
280.	*	.1	.1	.2	.4	.4	.0	.0	.0
285.	*	.0	.3	.3	.4	.3	.0	.0	.0
290.	*	.0	.3	.4	.3	.3	.1	.0	.0
295.	*	.0	.3	.4	.4	.5	.2	.0	.0
300.	*	.0	.3	.3	.5	.5	.2	.1	.0
305.	*	.0	.3	.3	.5	.3	.2	.2	.0
310.	*	.0	.3	.4	.5	.3	.2	.4	.0
315.	*	.0	.3	.4	.5	.2	.3	.4	.2
320.	*	.0	.3	.4	.4	.4	.4	.5	.2
325.	*	.0	.3	.5	.4	.6	.4	.4	.3
330.	*	.0	.3	.5	.6	.7	.7	.6	.6
335.	*	.0	.3	.6	.7	.8	.7	.7	.7
340.	*	.0	.2	.7	.8	.9	1.0	.8	.7
345.	*	.0	.3	.7	.8	1.0	1.0	.8	.7
350.	*	.0	.3	.6	.9	1.0	.6	.8	.8
355.	*	.0	.3	.5	.9	.8	.5	1.0	.8
360.	*	.0	.2	.6	.8	.7	.5	1.0	.8
MAX	*	.5	.3	.8	.9	1.0	1.0	1.1	.8
DEGR.	*	105	5	15	350	345	45	5	0

THE HIGHEST CONCENTRATION IS 1.70 PPM AT 240 DEGREES FROM REC12.
THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 210 DEGREES FROM REC9 .
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 175 DEGREES FROM REC10.

```
Site 1 Security & Rolling Rd BDPM35     60.0321.0.0000.000280.30480000    1    1
SE MID S                 1101.      343.       5.0
SE 164 S                 1005.      506.       5.0
SE 82 S                   963.      576.       5.0
SE CNR                    942.      667.       5.0
SE 82 E                  1023.      680.       5.0
SE 164 E                 1104.      686.       5.0
SE MID E                 1348.      718.       5.0
NE MID E                 1286.      871.       5.0
NE 164 E                 1010.      837.       5.0
NE 82 E                   929.      834.       5.0
NE CNR                    843.      845.       5.0
NE 82 N                   760.      904.       5.0
NE 164 N                  710.      971.       5.0
NE MID N                  621.     1102.       5.0
NW MID N                  458.     1175.       5.0
NW 164 N                  576.     1005.       5.0
NW 82 N                   620.      936.       5.0
NW CNR                    640.      845.       5.0
NW 82 W                   555.      823.       5.0
NW 164 W                  472.      823.       5.0
NW MID W                  227.      823.       5.0
SW MID W                  297.      673.       5.0
SW 164 W                  617.      676.       5.0
SW 82 W                   699.      678.       5.0
SW CNR                    784.      672.       5.0
SW 82 S                   828.      601.       5.0
SW 164 S                  872.      532.       5.0
SW MID S                  978.      360.       5.0
Site 1 Build PM 2035                     55  1   0
  1
EB        Sec ap    AG  -195.   748.   388.   749.   1055. 8.1   0  44   40.
  1
EB        Sec thru  AG   388.   749.   814.   748.    740. 8.1   0  44   40.
  2
EB        Sec thru  AG   695.   748.   481.   749.      0.  24   2
       150       110       2.0  740   42.1 1846 1 3
  1
EB        Sec left  AG   388.   749.   516.   766.    190. 8.1   0  32   40.
  1
EB        Sec left  AG   516.   766.   795.   767.    190. 8.1   0  32   40.
  2
EB        Sec left  AG   695.   767.   527.   766.      0.  12   1
       150       126       2.0  190   42.1 1909 1 3
  1
EB        Sec right AG   388.   749.   521.   732.    125. 8.1   0  32   40.
  1
EB        Sec right AG   521.   732.   731.   733.    125. 8.1   0  32   40.
  2
EB        Sec right AG   696.   733.   534.   732.      0.  12   1
       150        80       2.0  125   42.1 1708 1 3
  1
EB        Sec right AG   731.   733.   798.   705.    125. 8.1   0  32   40.
  1
EB        Sec dep1  AG   814.   748.   988.   745.   1195. 8.1   0  44   40.
  1
EB        Sec dep2  AG   988.   745.  1211.   768.   1510. 8.1   0  44   40.
  1
EB        Sec dep2  AG  1211.   768.  1402.   802.   1510. 8.1   0  68   40.
  1
EB        Sec dep2  AG  1402.   802.  1792.   918.   1510. 8.1   0  68   40.
  1
WB        Sec ap    AG  1782.   976.  1409.   857.   1745. 8.1   0  68   40.
  1
WB        Sec ap    AG  1409.   857.  1217.   821.   1745. 8.1   0  68   40.
  1
WB        Sec thru  AG  1217.   821.  1018.   800.    465. 8.1   0  44   40.
  1
WB        Sec thru  AG  1018.   800.   792.   795.    465. 8.1   0  44   40.
  2
WB        Sec thru  AG   888.   797.  1002.   800.      0.  24   2
       150       100       2.0  465   42.1 1810 1 3
  1
WB        Sec left  AG  1217.   821.  1087.   784.    655. 8.1   0  44   40.
  1
WB        Sec left  AG  1087.   784.   807.   774.    655. 8.1   0  44   40.
  2
WB        Sec left  AG   888.   777.  1050.   783.      0.  24   2
       150       116       2.0  655   42.1 1817 1 3
  1
WB        Sec right AG  1217.   821.  1055.   821.    625. 8.1   0  32   40.
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  1
WB        Sec right AG  1055.   821.   877.   815.    625. 8.1   0  32   40.
  1
WB        Sec right AG   877.   815.   756.   857.    625. 8.1   0  32   40.
  2
WB        Sec right AG   800.   842.   869.   818.      0.  12   1
       150       100       2.0  625   42.1 1708 1 3
  1
WB        Sec dep1  AG   792.   795.   625.   792.    510. 8.1   0  56   40.
  1
WB        Sec dep2  AG   625.   792.  -192.   791.    630. 8.1   0  44   40.
  1
NB        Rol ap    AG  1344.   -76.   983.   484.   1515. 8.3   0  44   45.
  1
NB        Rol thru  AG   983.   484.   806.   758.   1155. 8.3   0  44   45.
  2
NB        Rol thru  AG   859.   677.   972.   501.      0.  24   2
       150        97       2.0 1155   42.1 1846 1 3
  1
NB        Rol left  AG   983.   484.   916.   556.     45. 8.3   0  32   45.
  1
NB        Rol left  AG   916.   556.   791.   756.     45. 8.3   0  32   45.
  2
NB        Rol left  AG   842.   675.   911.   564.      0.  12   1
       150       113       2.0   45   42.1 1909 1 3
  1
NB        Rol right AG   983.   484.   934.   583.    315. 8.3   0  32   45.
  1
NB        Rol right AG   934.   583.   903.   646.    315. 8.3   0  32   45.
  1
NB        Rol right AG   903.   646.   933.   711.    315. 8.3   0  32   45.
  2
NB        Rol right AG   926.   695.   905.   652.      0.  12   1
       150        69       2.0  315   42.1 1538 1 3
  1
NB        Rol right AG   933.   711.   988.   745.    315. 8.3   0  32   45.
  1
NB        Rol dep1  AG   806.   758.   756.   857.   1345. 8.3   0  44   45.
  1
NB        Rol dep2  AG   756.   857.   680.   973.   1970. 8.3   0  44   45.
  1
NB        Rol dep2  AG   680.   973.   254.  1593.   1970. 8.3   0  44   45.
  1
SB        Rol ap    AG   220.  1574.   573.  1068.   1175. 8.3   0  44   45.
  1
SB        Rol thru  AG   573.  1068.   759.   776.    600. 8.3   0  44   45.
  2
SB        Rol thru  AG   722.   833.   608.  1014.      0.  24   2
       150       111       2.0  600   42.1 1846 1 3
  1
SB        Rol left  AG   573.  1068.   665.   954.    455. 8.3   0  44   45.
  1
SB        Rol left  AG   665.   954.   785.   779.    455. 8.3   0  44   45.
  2
SB        Rol left  AG   748.   833.   668.   950.      0.  24   2
       150       127       2.0  455   42.1 1791 1 3
  1
SB        Rol right AG   573.  1068.   671.   890.    120. 8.3   0  32   45.
  1
SB        Rol right AG   671.   890.   661.   833.    120. 8.3   0  32   45.
  2
SB        Rol right AG   669.   883.   662.   839.      0.  12   1
       150       111       2.0  120   42.1 1708 1 3
  1
SB        Rol right AG   661.   833.   625.   792.    120. 8.3   0  32   45.
  1
SB        Rol dep1  AG   759.   776.   798.   705.   1255. 8.3   0  44   45.
  1
SB        Rol dep2  AG   798.   705.   945.   461.   1380. 8.3   0  44   45.
  1
SB        Rol dep2  AG   945.   461.  1314.   -98.   1380. 8.3   0  44   45.
1.0   04  1000   0Y  5  0 72
```

JOB: Site 1 Security & Rolling Rd BDPM35 RUN: Site 1 Build PM 2035
DATE: 09/05/2012 TIME: 15:50:40.28

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Sec ap	-195.0	748.0	388.0	749.0	583.	90.	AG	1055.	8.1	.0	44.0		
2. EB	Sec thru	388.0	749.0	814.0	748.0	426.	90.	AG	740.	8.1	.0	44.0		
3. EB	Sec thru	695.0	748.0	456.3	749.1	239.	270.	AG	166.	100.0	.0	24.0	.84	12.1
4. EB	Sec left	388.0	749.0	516.0	766.0	129.	82.	AG	190.	8.1	.0	32.0		
5. EB	Sec left	516.0	766.0	795.0	767.0	279.	90.	AG	190.	8.1	.0	32.0		
6. EB	Sec left	695.0	767.0	557.3	766.2	138.	270.	AG	95.	100.0	.0	12.0	.75	7.0
7. EB	Sec right	388.0	749.0	521.0	732.0	134.	97.	AG	125.	8.1	.0	32.0		
8. EB	Sec right	521.0	732.0	731.0	733.0	210.	90.	AG	125.	8.1	.0	32.0		
9. EB	Sec right	696.0	733.0	641.3	732.7	55.	270.	AG	60.	100.0	.0	12.0	.17	2.8
10. EB	Sec right	731.0	733.0	798.0	705.0	73.	113.	AG	125.	8.1	.0	32.0		
11. EB	Sec dep1	814.0	748.0	988.0	745.0	174.	91.	AG	1195.	8.1	.0	44.0		
12. EB	Sec dep2	988.0	745.0	1211.0	768.0	224.	84.	AG	1510.	8.1	.0	44.0		
13. EB	Sec dep2	1211.0	768.0	1402.0	802.0	194.	80.	AG	1510.	8.1	.0	68.0		
14. EB	Sec dep2	1402.0	802.0	1792.0	918.0	407.	73.	AG	1510.	8.1	.0	68.0		
15. WB	Sec ap	1782.0	976.0	1409.0	857.0	392.	252.	AG	1745.	8.1	.0	68.0		
16. WB	Sec ap	1409.0	857.0	1217.0	821.0	195.	259.	AG	1745.	8.1	.0	68.0		
17. WB	Sec thru	1217.0	821.0	1018.0	800.0	200.	264.	AG	465.	8.1	.0	44.0		
18. WB	Sec thru	1018.0	800.0	792.0	795.0	226.	269.	AG	465.	8.1	.0	44.0		
19. WB	Sec thru	888.0	797.0	1014.8	800.3	127.	88.	AG	151.	100.0	.0	24.0	.42	6.4
20. WB	Sec left	1217.0	821.0	1087.0	784.0	135.	254.	AG	655.	8.1	.0	44.0		
21. WB	Sec left	1087.0	784.0	807.0	774.0	280.	268.	AG	655.	8.1	.0	44.0		
22. WB	Sec left	888.0	777.0	1131.4	786.0	244.	88.	AG	175.	100.0	.0	24.0	.90	12.4
23. WB	Sec right	1217.0	821.0	1055.0	821.0	162.	270.	AG	625.	8.1	.0	32.0		
24. WB	Sec right	1055.0	821.0	877.0	815.0	178.	268.	AG	625.	8.1	.0	32.0		
25. WB	Sec right	877.0	815.0	756.0	857.0	128.	289.	AG	625.	8.1	.0	32.0		
26. WB	Sec right	800.0	842.0	2196.0	356.4	1478.	109.	AG	75.	100.0	.0	12.0	1.20	75.1
27. WB	Sec dep1	792.0	795.0	625.0	792.0	167.	269.	AG	510.	8.1	.0	56.0		
28. WB	Sec dep2	625.0	792.0	-192.0	791.0	817.	270.	AG	630.	8.1	.0	44.0		
29. NB	Rol ap	1344.0	-76.0	983.0	484.0	666.	327.	AG	1515.	8.3	.0	44.0		
30. NB	Rol thru	983.0	484.0	806.0	758.0	326.	327.	AG	1155.	8.3	.0	44.0		
31. NB	Rol thru	859.0	677.0	1064.3	357.3	380.	147.	AG	146.	100.0	.0	24.0	.96	19.3
32. NB	Rol left	983.0	484.0	916.0	556.0	98.	317.	AG	45.	8.3	.0	32.0		
33. NB	Rol left	916.0	556.0	791.0	756.0	236.	328.	AG	45.	8.3	.0	32.0		
34. NB	Rol left	842.0	675.0	856.7	651.4	28.	148.	AG	85.	100.0	.0	12.0	.11	1.4
35. NB	Rol right	983.0	484.0	934.0	583.0	110.	334.	AG	315.	8.3	.0	32.0		
36. NB	Rol right	934.0	583.0	903.0	646.0	70.	334.	AG	315.	8.3	.0	32.0		
37. NB	Rol right	903.0	646.0	933.0	711.0	72.	25.	AG	315.	8.3	.0	32.0		
38. NB	Rol right	926.0	695.0	873.8	588.2	119.	206.	AG	52.	100.0	.0	12.0	.40	6.0
39. NB	Rol right	933.0	711.0	988.0	745.0	65.	58.	AG	315.	8.3	.0	32.0		
40. NB	Rol dep1	806.0	758.0	756.0	857.0	111.	333.	AG	1345.	8.3	.0	44.0		
41. NB	Rol dep2	756.0	857.0	680.0	973.0	139.	327.	AG	1970.	8.3	.0	44.0		
42. NB	Rol dep2	680.0	973.0	254.0	1593.0	752.	326.	AG	1970.	8.3	.0	44.0		
43. SB	Rol ap	220.0	1574.0	573.0	1068.0	617.	145.	AG	1175.	8.3	.0	44.0		
44. SB	Rol thru	573.0	1068.0	759.0	776.0	346.	148.	AG	600.	8.3	.0	44.0		

JOB: Site 1 Security & Rolling Rd BDPM35 RUN: Site 1 Build PM 2035
DATE: 09/05/2012 TIME: 15:50:40.28

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	Rol thru	722.0	833.0	625.0	987.1	182.	328.	AG	167.	100.0	.0	24.0	.70	9.3
46. SB	Rol left	573.0	1068.0	665.0	954.0	146.	141.	AG	455.	8.3	.0	44.0		
47. SB	Rol left	665.0	954.0	785.0	779.0	212.	146.	AG	455.	8.3	.0	44.0		
48. SB	Rol left	748.0	833.0	612.1	1031.8	241.	326.	AG	191.	100.0	.0	24.0	1.00	12.2
49. SB	Rol right	573.0	1068.0	671.0	890.0	203.	151.	AG	120.	8.3	.0	32.0		
50. SB	Rol right	671.0	890.0	661.0	833.0	58.	190.	AG	120.	8.3	.0	32.0		
51. SB	Rol right	669.0	883.0	657.6	811.1	73.	189.	AG	84.	100.0	.0	12.0	.30	3.7
52. SB	Rol right	661.0	833.0	625.0	792.0	55.	221.	AG	120.	8.3	.0	32.0		
53. SB	Rol dep1	759.0	776.0	798.0	705.0	81.	151.	AG	1255.	8.3	.0	44.0		
54. SB	Rol dep2	798.0	705.0	945.0	461.0	285.	149.	AG	1380.	8.3	.0	44.0		
55. SB	Rol dep2	945.0	461.0	1314.0	-98.0	670.	147.	AG	1380.	8.3	.0	44.0		

JOB: Site 1 Security & Rolling Rd BDPM35 RUN: Site 1 Build PM 2035
DATE: 09/05/2012 TIME: 15:50:40.28

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE

3. EB	Sec thru	150	110	2.0	740	1846	42.10	1	3
6. EB	Sec left	150	126	2.0	190	1909	42.10	1	3
9. EB	Sec right	150	80	2.0	125	1708	42.10	1	3
19. WB	Sec thru	150	100	2.0	465	1810	42.10	1	3
22. WB	Sec left	150	116	2.0	655	1817	42.10	1	3
26. WB	Sec right	150	100	2.0	625	1708	42.10	1	3
31. NB	Rol thru	150	97	2.0	1155	1846	42.10	1	3
34. NB	Rol left	150	113	2.0	45	1909	42.10	1	3
38. NB	Rol right	150	69	2.0	315	1538	42.10	1	3
45. SB	Rol thru	150	111	2.0	600	1846	42.10	1	3
48. SB	Rol left	150	127	2.0	455	1791	42.10	1	3
51. SB	Rol right	150	111	2.0	120	1708	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1101.0	343.0	5.0
2. SE 164 S	1005.0	506.0	5.0
3. SE 82 S	963.0	576.0	5.0
4. SE CNR	942.0	667.0	5.0
5. SE 82 E	1023.0	680.0	5.0
6. SE 164 E	1104.0	686.0	5.0
7. SE MID E	1348.0	718.0	5.0
8. NE MID E	1286.0	871.0	5.0
9. NE 164 E	1010.0	837.0	5.0
10. NE 82 E	929.0	834.0	5.0
11. NE CNR	843.0	845.0	5.0
12. NE 82 N	760.0	904.0	5.0
13. NE 164 N	710.0	971.0	5.0
14. NE MID N	621.0	1102.0	5.0
15. NW MID N	458.0	1175.0	5.0
16. NW 164 N	576.0	1005.0	5.0
17. NW 82 N	620.0	936.0	5.0
18. NW CNR	640.0	845.0	5.0
19. NW 82 W	555.0	823.0	5.0
20. NW 164 W	472.0	823.0	5.0
21. NW MID W	227.0	823.0	5.0
22. SW MID W	297.0	673.0	5.0
23. SW 164 W	617.0	676.0	5.0
24. SW 82 W	699.0	678.0	5.0
25. SW CNR	784.0	672.0	5.0
26. SW 82 S	828.0	601.0	5.0
27. SW 164 S	872.0	532.0	5.0
28. SW MID S	978.0	360.0	5.0

1

JOB: Site 1 Security & Rolling Rd BDPM35 RUN: Site 1 Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.2	.3	.7	.7	.6	.4	.0	.0	.0	.0	.0	.0	.1	.6	.6	1.1	.7	.3	.2
5.	.1	.2	.3	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.1	.6	.6	1.1	.8	.3	.2
10.	.0	.2	.3	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.2	.8	.3	.2
15.	.0	.2	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.2	.9	.3	.2
20.	.0	.2	.2	.7	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.6	.5	1.2	.9	.4	.1
25.	.0	.2	.2	.7	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.6	.5	1.3	1.1	.4	.1
30.	.0	.1	.2	.7	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.6	.5	1.2	1.2	.4	.1
35.	.0	.1	.2	.7	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.3	1.0	.5	.2
40.	.0	.1	.2	.7	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.3	.9	.5	.2
45.	.0	.2	.2	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.3	1.0	.6	.3
50.	.0	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.6	.7	1.3	1.1	.5	.3
55.	.0	.2	.4	.5	.6	.5	.4	.1	.0	.0	.0	.0	.0	.0	.6	.7	1.3	1.1	.5	.4
60.	.0	.2	.4	.5	.6	.6	.3	.2	.0	.0	.0	.0	.0	.0	.6	.7	1.3	1.1	.5	.3
65.	.0	.0	.3	.7	.7	.6	.3	.2	.0	.0	.0	.0	.0	.0	.6	.8	1.3	1.1	.4	.3
70.	.0	.0	.2	.6	.6	.5	.3	.4	.0	.1	.0	.0	.0	.0	.6	.8	1.2	1.0	.4	.3
75.	.0	.0	.1	.6	.6	.4	.1	.5	.2	.2	.0	.0	.0	.0	.6	.8	1.2	1.0	.5	.3
80.	.0	.0	.1	.4	.4	.3	.1	.6	.5	.3	.0	.0	.0	.0	.6	.8	1.3	1.0	.5	.3
85.	.0	.0	.1	.1	.2	.2	.0	.6	.7	.6	.2	.0	.0	.0	.6	.9	1.3	1.2	.6	.4
90.	.0	.0	.1	.1	.1	.1	.0	.8	.7	.9	.5	.0	.0	.0	.6	1.1	1.4	1.2	.6	.4
95.	.0	.0	.0	.1	.1	.1	.0	.8	.9	1.0	.6	.0	.0	.0	.6	1.2	1.4	1.2	.5	.4
100.	.0	.0	.0	.1	.1	.1	.0	.8	.8	1.2	1.0	.2	.0	.0	.6	1.1	1.6	1.1	.6	.6
105.	.0	.0	.0	.1	.1	.1	.1	.9	.9	1.2	1.1	.4	.1	.0	.6	1.2	1.6	1.2	.7	.6
110.	.1	.0	.0	.0	.1	.1	.1	.9	1.0	1.2	1.1	.4	.3	.1	.6	1.5	1.7	1.0	.7	.7
115.	.1	.0	.0	.0	.0	.1	.1	.8	1.0	1.4	1.3	.4	.3	.1	.6	1.5	1.6	1.1	.8	.9
120.	.1	.0	.0	.0	.0	.0	.1	.7	1.1	1.4	1.4	.6	.5	.2	.7	1.5	1.5	1.0	.8	.8
125.	.1	.1	.0	.0	.0	.0	.1	.8	1.1	1.4	1.4	.7	.4	.3	.7	1.6	1.5	1.0	.8	.8
130.	.2	.1	.1	.0	.0	.0	.1	.8	1.0	1.4	1.4	.6	.5	.4	.9	1.3	1.3	.9	1.0	.7
135.	.3	.2	.2	.0	.0	.0	.1	.7	1.0	1.3	1.3	.6	.5	.5	.8	1.2	1.3	1.0	1.0	.7
140.	.5	.5	.4	.1	.0	.0	.1	.7	1.0	1.4	1.1	.9	.9	.5	.7	1.0	1.2	.9	.8	.5
145.	.6	.6	.6	.3	.0	.0	.1	.7	1.0	1.4	1.1	1.1	1.0	.8	.5	1.0	1.0	1.0	.6	.5

150. *	.7	.7	.7	.3	.1	.0	.1	.7	1.0	1.4	1.3	1.1	1.2	1.1	.4	.4	.7	.7	.5	.5
155. *	.9	.9	.9	.5	.2	.0	.1	.7	1.2	1.4	1.3	1.1	1.4	1.2	.2	.4	.6	.5	.5	.4
160. *	.9	1.0	1.1	.6	.2	.1	.1	.6	1.2	1.5	1.3	1.2	1.4	1.3	.1	.2	.3	.5	.5	.4
165. *	.9	1.1	1.1	.6	.3	.2	.1	.6	1.3	1.5	1.3	1.0	1.5	1.5	.1	.1	.3	.6	.5	.4
170. *	.9	1.1	1.1	.6	.3	.2	.1	.6	1.4	1.6	1.2	1.1	1.4	1.5	.1	.1	.2	.5	.5	.4
175. *	.9	1.1	1.2	.8	.3	.2	.1	.6	1.5	1.7	1.1	1.2	1.5	1.6	.0	.1	.3	.5	.6	.5
180. *	.8	1.0	1.2	.8	.3	.2	.1	.6	1.4	1.5	1.1	1.1	1.5	1.4	.0	.1	.3	.5	.6	.5
185. *	.7	1.0	1.1	.7	.3	.3	.1	.7	1.4	1.5	1.0	1.3	1.5	1.2	.0	.1	.3	.5	.5	.4
190. *	.7	1.0	1.0	.5	.4	.3	.2	.7	1.5	1.5	1.1	1.1	1.5	1.2	.0	.1	.2	.5	.4	.3
195. *	.7	1.0	1.0	.5	.4	.3	.3	.8	1.6	1.5	1.1	1.2	1.6	1.0	.0	.1	.2	.6	.4	.3
200. *	.7	1.0	1.1	.6	.4	.3	.3	.7	1.6	1.4	1.1	1.4	1.7	1.0	.0	.1	.3	.5	.4	.3
205. *	.6	1.0	.9	.7	.3	.3	.3	.7	1.5	1.4	1.1	1.4	1.6	.8	.0	.1	.3	.5	.4	.3

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JOB: Site 1 Security & Rolling Rd BDPM35 RUN: Site 1 Build PM 2035

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.6	1.0	.9	.7	.3	.3	.3	.7	1.5	1.3	.9	1.3	1.5	.7	.0	.0	.3	.5	.5	.3
215. *	.6	.9	.9	.8	.3	.1	.3	.7	1.5	1.3	.9	1.5	1.5	.7	.0	.0	.3	.5	.5	.3
220. *	.6	.9	.9	.7	.3	.3	.2	.7	1.6	1.1	.9	1.5	1.4	.7	.0	.0	.2	.5	.5	.3
225. *	.6	.9	.9	.7	.3	.3	.2	.7	1.5	1.1	.9	1.5	1.5	.8	.0	.0	.2	.5	.5	.4
230. *	.6	.9	.9	.7	.3	.3	.2	.9	1.5	1.1	1.0	1.4	1.6	.7	.0	.1	.1	.4	.5	.4
235. *	.6	1.0	.9	.7	.3	.3	.2	.9	1.3	1.1	1.0	1.5	1.6	.7	.0	.1	.2	.4	.4	.3
240. *	.6	1.0	.9	.8	.3	.3	.2	.8	1.2	1.1	1.0	1.6	1.5	.7	.0	.1	.2	.3	.5	.3
245. *	.6	.9	.9	.8	.3	.3	.2	.8	1.1	1.1	1.1	1.5	1.6	.6	.0	.1	.2	.4	.5	.3
250. *	.6	.9	.9	.8	.3	.3	.2	.8	1.2	1.0	1.2	1.6	1.4	.7	.0	.0	.2	.4	.4	.4
255. *	.6	1.0	.9	.8	.3	.3	.2	.7	1.2	.8	1.4	1.4	1.3	.7	.0	.0	.2	.2	.3	.4
260. *	.6	1.0	.9	.7	.3	.3	.2	.4	1.1	.7	1.4	1.4	1.4	.7	.0	.0	.0	.2	.3	.3
265. *	.6	1.0	.9	.7	.3	.3	.3	.3	.7	.9	1.2	1.2	1.4	.7	.0	.0	.0	.2	.3	.3
270. *	.7	1.0	.9	.8	.4	.3	.3	.2	.7	.8	1.1	1.3	1.4	.8	.0	.0	.0	.2	.3	.3
275. *	.8	1.0	1.0	.8	.5	.3	.4	.1	.5	.7	1.0	1.3	1.4	.8	.0	.0	.0	.1	.2	.2
280. *	.8	1.0	1.0	.8	.4	.4	.4	.1	.4	.7	1.2	1.3	1.4	.8	.0	.0	.0	.0	.1	.1
285. *	.9	1.0	1.0	.9	.4	.3	.4	.2	.4	.4	1.1	1.4	1.3	.9	.0	.0	.0	.0	.1	.0
290. *	.9	1.0	1.1	.9	.3	.7	.5	.1	.4	.4	1.0	1.5	1.3	.9	.0	.0	.0	.0	.0	.0
295. *	1.0	1.2	1.2	.9	.5	.7	.5	.1	.3	.4	.9	1.5	1.4	.9	.0	.0	.0	.0	.0	.0
300. *	1.2	1.2	1.2	.8	.6	.9	.5	.1	.2	.4	.8	1.4	1.4	1.0	.0	.0	.0	.0	.0	.0
305. *	1.3	1.2	1.0	.8	1.0	1.0	.4	.1	.1	.4	.9	1.3	1.3	1.0	.0	.0	.0	.0	.0	.0
310. *	1.3	1.1	.9	.9	.9	.8	.3	.0	.1	.5	.8	1.4	1.4	1.1	.1	.1	.0	.0	.0	.0
315. *	1.4	1.2	1.1	1.0	.9	.8	.3	.0	.1	.3	.5	1.3	1.1	1.1	.1	.2	.2	.0	.0	.0
320. *	1.3	1.0	1.1	1.0	.8	.8	.4	.0	.1	.1	.5	1.0	1.0	1.0	.3	.3	.2	.2	.0	.0
325. *	1.2	.8	.7	.9	.8	.7	.4	.0	.0	.1	.4	.8	.8	.8	.3	.4	.4	.2	.0	.0
330. *	1.0	.7	.6	.9	.8	.6	.4	.0	.0	.1	.1	.7	.7	.7	.5	.5	.5	.3	.1	.0
335. *	.6	.4	.4	.8	.7	.6	.4	.0	.0	.0	.1	.3	.5	.5	.6	.7	.8	.3	.2	.0
340. *	.3	.4	.3	.7	.8	.6	.4	.0	.0	.0	.0	.2	.3	.3	.7	.7	.7	.6	.2	.1
345. *	.4	.3	.3	.7	.7	.5	.4	.0	.0	.0	.0	.2	.2	.2	.7	.8	1.0	.7	.2	.2
350. *	.2	.2	.3	.8	.7	.5	.4	.0	.0	.0	.0	.0	.1	.1	.7	.8	1.1	.7	.3	.2
355. *	.2	.1	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0	.1	.7	.8	1.1	.7	.3	.2
360. *	.1	.2	.3	.7	.7	.6	.4	.0	.0	.0	.0	.0	.0	.1	.6	.6	1.1	.7	.3	.2
MAX *	1.4	1.2	1.2	1.0	1.0	1.0	.5	.9	1.6	1.7	1.4	1.6	1.7	1.6	.9	1.6	1.7	1.2	1.0	.9
DEGR. *	315	295	175	315	305	305	20	230	195	175	255	240	200	175	130	125	110	30	130	115

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JOB: Site 1 Security & Rolling Rd BDPM35 RUN: Site 1 Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.3	.7	.9	.7	.8	1.1	1.0
5. *	.1	.3	.7	.9	.6	.7	1.2	.9
10. *	.1	.3	.8	.7	.6	.8	1.2	1.0
15. *	.1	.3	.8	.7	.8	.9	1.2	.8
20. *	.1	.3	.7	.6	.8	1.1	1.2	.8
25. *	.2	.3	.7	.5	.8	1.1	1.0	.8
30. *	.1	.3	.8	.3	.7	1.2	1.0	.7
35. *	.1	.3	.8	.3	1.0	1.0	1.0	.7
40. *	.1	.3	.9	.3	1.0	1.0	1.0	.7
45. *	.1	.3	.5	.3	1.1	1.1	1.0	.7
50. *	.1	.4	.3	.4	1.1	1.2	.9	.8
55. *	.1	.5	.3	.8	1.2	1.1	.9	.8
60. *	.1	.5	.4	.7	1.2	1.1	.8	.8
65. *	.1	.4	.3	.8	1.2	1.1	.8	.8
70. *	.1	.2	.4	.9	.9	.9	.8	.7
75. *	.1	.2	.5	.8	1.0	.9	.7	.7
80. *	.2	.2	.5	.7	1.0	.9	.7	.7
85. *	.2	.2	.5	.7	1.0	.9	.8	.7
90. *	.2	.1	.4	.4	.8	1.0	.8	.7
95. *	.4	.0	.3	.4	1.0	.9	.8	.7
100. *	.4	.0	.3	.4	1.0	.8	.9	.7
105. *	.5	.0	.3	.4	.8	.8	.8	.7

110.	*	.5	.0	.3	.4	.8	.8	.8	.7
115.	*	.5	.0	.3	.4	.8	.9	.9	.8
120.	*	.3	.0	.4	.5	1.0	.9	1.0	.8
125.	*	.3	.0	.4	.5	1.0	1.0	1.0	.8
130.	*	.3	.0	.3	.4	1.1	1.1	1.0	.7
135.	*	.3	.0	.2	.4	1.0	1.0	.9	.7
140.	*	.3	.0	.2	.4	.9	1.0	.9	.7
145.	*	.3	.0	.0	.2	.8	.7	.8	.5
150.	*	.3	.0	.0	.1	.6	.6	.5	.4
155.	*	.2	.0	.0	.0	.4	.4	.5	.3
160.	*	.2	.0	.0	.0	.2	.2	.2	.2
165.	*	.2	.0	.0	.0	.1	.1	.2	.1
170.	*	.2	.0	.0	.0	.1	.1	.1	.1
175.	*	.2	.0	.0	.0	.0	.0	.0	.0
180.	*	.3	.0	.0	.0	.0	.0	.0	.0
185.	*	.2	.0	.0	.0	.0	.0	.0	.0
190.	*	.2	.0	.0	.0	.0	.0	.0	.0
195.	*	.2	.0	.0	.0	.0	.0	.0	.0
200.	*	.2	.0	.0	.0	.0	.0	.0	.0
205.	*	.2	.0	.0	.0	.0	.0	.0	.0

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JOB: Site 1 Security & Rolling Rd BDPM35 RUN: Site 1 Build PM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.4	.0	.0	.0	.0	.0	.0	.0
225.	*	.4	.0	.0	.0	.0	.0	.0	.0
230.	*	.4	.0	.0	.0	.0	.0	.0	.0
235.	*	.4	.0	.0	.0	.0	.0	.0	.0
240.	*	.4	.0	.0	.0	.0	.0	.0	.0
245.	*	.4	.0	.0	.0	.0	.0	.0	.0
250.	*	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.2	.1	.1	.1	.1	.0	.0	.0
275.	*	.1	.1	.1	.2	.3	.0	.0	.0
280.	*	.1	.1	.3	.4	.4	.0	.0	.0
285.	*	.0	.1	.4	.5	.4	.1	.0	.0
290.	*	.0	.3	.4	.4	.4	.1	.0	.0
295.	*	.0	.3	.5	.4	.5	.2	.1	.0
300.	*	.0	.3	.4	.5	.4	.2	.1	.0
305.	*	.0	.3	.4	.6	.4	.2	.2	.0
310.	*	.0	.3	.4	.6	.3	.2	.2	.1
315.	*	.0	.3	.4	.6	.2	.3	.3	.2
320.	*	.0	.3	.4	.6	.6	.5	.4	.2
325.	*	.0	.2	.4	.6	.7	.7	.5	.7
330.	*	.0	.2	.5	.7	.9	.9	.7	.7
335.	*	.0	.2	.7	.9	1.2	1.1	.8	.8
340.	*	.0	.2	.7	.9	1.2	1.1	.8	.9
345.	*	.0	.2	.7	1.0	1.2	1.1	.9	.9
350.	*	.0	.2	.7	1.0	1.1	1.0	.9	.9
355.	*	.0	.2	.7	1.0	.8	.8	.9	1.0
360.	*	.0	.3	.7	.9	.7	.8	1.1	1.0
MAX	*	.5	.5	.9	1.0	1.2	1.2	1.2	1.0
DEGR.	*	105	55	40	345	335	30	5	0

THE HIGHEST CONCENTRATION IS 1.70 PPM AT 175 DEGREES FROM REC10.
THE 2ND HIGHEST CONCENTRATION IS 1.70 PPM AT 200 DEGREES FROM REC13.
THE 3RD HIGHEST CONCENTRATION IS 1.70 PPM AT 110 DEGREES FROM REC17.

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Site 1 Security & Rolling Rd EX AM      60.0321.0.0000.000280.30480000    1    1
SE MID S                 1299.      511.       5.0
SE 164 S                 1248.      695.       5.0
SE 82 S                  1226.      773.       5.0
SE CNR                   1221.      872.       5.0
SE 82 E                  1320.      889.       5.0
SE 164 E                 1401.      871.       5.0
SE MID E                 1598.      845.       5.0
NE MID E                 1533.      984.       5.0
NE 164 E                 1327.     1024.       5.0
NE 82 E                  1245.     1044.       5.0
NE CNR                   1168.     1085.       5.0
NE 82 N                  1108.     1174.       5.0
NE 164 N                 1082.     1252.       5.0
NE MID N                 1001.     1456.       5.0
NW MID N                  932.     1430.       5.0
NW 164 N                  974.     1289.       5.0
NW 82 N                  1000.     1211.       5.0
NW CNR                    986.     1122.       5.0
NW 82 W                   899.     1115.       5.0
NW 164 W                  820.     1138.       5.0
NW MID W                  610.     1193.       5.0
SW MID W                  658.     1066.       5.0
SW 164 W                  891.     1003.       5.0
SW 82 W                   971.      980.       5.0
SW CNR                   1084.      889.       5.0
SW 82 S                  1120.      798.       5.0
SW 164 S                 1141.      719.       5.0
SW MID S                 1214.      475.       5.0
Site 1 Existing AM                      70  1   0
  1
EB        Sec ap    AG   139.  1226.   392.  1160.    575.10.3   0  44   40.
  1
EB        Sec ap    AG   392.  1160.   603.  1116.    575.10.3   0  44   40.
  1
EB        Sec thru  AG   603.  1116.  1120.   976.    415.10.3   0  44   40.
  2
EB        Sec thru  AG  1054.   994.   814.  1059.      0.  24   2
       140        97       2.0  415   56.4 1910 1 3
  1
EB        Sec left  AG   603.  1116.   738.  1096.    110.10.3   0  32   40.
  1
EB        Sec left  AG   738.  1096.  1122.   994.    110.10.3   0  32   40.
  2
EB        Sec left  AG  1051.  1013.   827.  1072.      0.  12   1
       140       121       2.0  110   56.4 1909 1 3
  1
EB        Sec right AG   603.  1116.   722.  1067.     50.10.3   0  32   40.
  1
EB        Sec right AG   722.  1067.   986.   995.     50.10.3   0  32   40.
  1
EB        Sec right AG   986.   995.  1070.   942.     50.10.3   0  32   40.
  2
EB        Sec right AG  1062.   947.   993.   990.      0.  12   1
       140        97       2.0   50   56.4 1708 1 3
  1
EB        Sec right AG  1070.   942.  1123.   878.     50.10.3   0  32   40.
  1
EB        Sec dep1  AG  1120.   976.  1367.   908.    955.10.3   0  44   40.
  1
EB        Sec dep2  AG  1367.   908.  1569.   880.   1375.10.3   0  56   40.
  1
EB        Sec dep2  AG  1569.   880.  1751.   864.   1375.10.3   0  56   40.
  1
EB        Sec dep2  AG  1751.   864.  1949.   867.   1375.10.3   0  56   40.
  1
EB        Sec dep2  AG  1949.   867.  2104.   870.   1375.10.3   0  56   40.
  1
WB        Sec ap    AG  2109.   937.  1863.   925.   1300.10.3   0  56   40.
  1
WB        Sec ap    AG  1863.   925.  1647.   933.   1300.10.3   0  56   40.
  1
WB        Sec ap    AG  1647.   933.  1496.   952.   1300.10.3   0  56   40.
  1
WB        Sec thru  AG  1496.   952.  1098.  1043.    550.10.3   0  44   40.
  2
WB        Sec thru  AG  1165.  1028.  1424.   969.      0.  24   2
       140        90       2.0  550   56.4 1873 1 3
  1
WB        Sec left  AG  1496.   952.  1348.   958.    420.10.3   0  44   40.
  1
WB        Sec left  AG  1348.   958.  1096.  1019.    420.10.3   0  44   40.
  2
WB        Sec left  AG  1172.  1000.  1333.   962.      0.  24   2
       140       113       2.0  420   56.4 1817 1 3
  1
WB        Sec right AG  1496.   952.  1392.   991.    330.10.3   0  32   40.
  1
WB        Sec right AG  1392.   991.  1214.  1033.    330.10.3   0  32   40.
  1
WB        Sec right AG  1214.  1033.  1153.  1068.    330.10.3   0  32   40.
  1
WB        Sec right AG  1153.  1068.  1100.  1119.    330.10.3   0  32   40.
  1
WB        Sec d1    AG  1098.  1043.   922.  1086.    630.10.3   0  56   40.
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  1
WB        Sec d2    AG   922.  1086.   745.  1132.    755.10.3   0  56   40.
  1
WB        Sec d2    AG   745.  1132.   568.  1184.    755.10.3   0  44   40.
  1
WB        Sec d2    AG   568.  1184.   159.  1294.    755.10.3   0  44   40.
  1
NB        Rol ap    AG  1435.    51.  1353.   250.   1255.10.6   0  44   45.
  1
NB        Rol ap    AG  1353.   250.  1279.   490.   1255.10.6   0  44   45.
  1
NB        Rol ap    AG  1279.   490.  1215.   701.   1255.10.6   0  44   45.
  1
NB        Rol thru  AG  1215.   701.  1133.   990.    755.10.6   0  44   45.
  2
NB        Rol thru  AG  1153.   919.  1208.   726.      0.  24   2
       140        97       2.0  755   56.4 1910 1 3
  1
NB        Rol left  AG  1215.   701.  1174.   783.     80.10.6   0  32   45.
  1
NB        Rol left  AG  1174.   783.  1111.   999.     80.10.6   0  32   45.
  2
NB        Rol left  AG  1133.   924.  1171.   792.      0.  12   1
       140       123       2.0   80   56.4 1909 1 3
  1
NB        Rol right AG  1208.   726.  1194.   865.    420.10.6   0  32   45.
  1
NB        Rol right AG  1194.   865.  1226.   908.    420.10.6   0  32   45.
  1
NB        Rol right AG  1226.   908.  1288.   919.    420.10.6   0  32   45.
  1
NB        Rol right AG  1288.   919.  1367.   908.    420.10.6   0  32   45.
  1
NB        Rol dep1  AG  1133.   990.  1100.  1119.    865.10.6   0  44   45.
  1
NB        Rol dep2  AG  1100.  1119.  1038.  1302.   1195.10.6   0  44   45.
  1
NB        Rol dep2  AG  1038.  1302.   960.  1501.   1195.10.6   0  44   45.
  1
NB        Rol dep2  AG   960.  1501.   907.  1687.   1195.10.6   0  44   45.
  1
NB        Rol dep2  AG   907.  1687.   877.  1869.   1195.10.6   0  44   45.
  1
NB        Rol dep2  AG   877.  1869.   870.  1967.   1195.10.6   0  44   45.
  1
SB        Rol ap    AG   842.  1958.   851.  1852.   1540.10.6   0  44   45.
  1
SB        Rol ap    AG   851.  1852.   876.  1698.   1540.10.6   0  44   45.
  1
SB        Rol ap    AG   876.  1698.   915.  1552.   1540.10.6   0  44   45.
  1
SB        Rol ap    AG   915.  1552.   988.  1331.   1540.10.6   0  44   45.
  1
SB        Rol thru  AG   988.  1331.  1084.  1021.    875.10.6   0  44   45.
  2
SB        Rol thru  AG  1065.  1084.  1002.  1288.      0.  24   2
       140        86       2.0  875   56.4 1910 1 3
  1
SB        Rol left  AG   988.  1331.  1038.  1230.    540.10.6   0  44   45.
  1
SB        Rol left  AG  1038.  1230.  1106.  1025.    540.10.6   0  44   45.
  2
SB        Rol left  AG  1088.  1079.  1040.  1223.      0.  24   2
       140       112       2.0  540   56.4 1852 1 3
  1
SB        Rol right AG   988.  1331.  1027.  1165.    125.10.6   0  32   45.
  1
SB        Rol right AG  1027.  1165.  1014.  1119.    125.10.6   0  32   45.
  1
SB        Rol right AG  1014.  1119.   973.  1089.    125.11.1   0  32   45.
  2
SB        Rol right AG   980.  1095.  1013.  1118.      0.  12   1
       140        86       2.0  125   56.4 1708 1 3
  1
SB        Rol right AG   973.  1089.   922.  1086.    125.10.6   0  32   45.
  1
SB        Rol dep1  AG  1084.  1021.  1119.   882.   1295.10.6   0  44   45.
  1
SB        Rol dep2  AG  1123.   878.  1195.   618.   1345.10.6   0  44   45.
  1
SB        Rol dep2  AG  1195.   618.  1278.   344.   1345.10.6   0  44   45.
  1
SB        Rol dep2  AG  1278.   344.  1338.   172.   1345.10.6   0  44   45.
  1
SB        Rol dep2  AG  1338.   172.  1396.    37.   1345.10.6   0  44   45.
1.0   04  1000   0Y  5  0 72
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JOB: Site 1 Security & Rolling Rd EX AM RUN: Site 1 Existing AM
DATE: 09/05/2012 TIME: 14:59:00.40

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Sec ap	139.0	1226.0	392.0	1160.0	261.	105.	AG	575.	10.3	.0	44.0		
2. EB	Sec ap	392.0	1160.0	603.0	1116.0	216.	102.	AG	575.	10.3	.0	44.0		
3. EB	Sec thru	603.0	1116.0	1120.0	976.0	536.	105.	AG	415.	10.3	.0	44.0		
4. EB	Sec thru	1054.0	994.0	948.0	1022.7	110.	285.	AG	210.	100.0	.0	24.0	.39	5.6
5. EB	Sec left	603.0	1116.0	738.0	1096.0	136.	98.	AG	110.	10.3	.0	32.0		
6. EB	Sec left	738.0	1096.0	1122.0	994.0	397.	105.	AG	110.	10.3	.0	32.0		
7. EB	Sec left	1051.0	1013.0	980.6	1031.5	73.	285.	AG	131.	100.0	.0	12.0	.54	3.7
8. EB	Sec right	603.0	1116.0	722.0	1067.0	129.	112.	AG	50.	10.3	.0	32.0		
9. EB	Sec right	722.0	1067.0	986.0	995.0	274.	105.	AG	50.	10.3	.0	32.0		
10. EB	Sec right	986.0	995.0	1070.0	942.0	99.	122.	AG	50.	10.3	.0	32.0		
11. EB	Sec right	1062.0	947.0	1039.5	961.0	27.	302.	AG	105.	100.0	.0	12.0	.11	1.3
12. EB	Sec right	1070.0	942.0	1123.0	878.0	83.	140.	AG	50.	10.3	.0	32.0		
13. EB	Sec dep1	1120.0	976.0	1367.0	908.0	256.	105.	AG	955.	10.3	.0	44.0		
14. EB	Sec dep2	1367.0	908.0	1569.0	880.0	204.	98.	AG	1375.	10.3	.0	56.0		
15. EB	Sec dep2	1569.0	880.0	1751.0	864.0	183.	95.	AG	1375.	10.3	.0	56.0		
16. EB	Sec dep2	1751.0	864.0	1949.0	867.0	198.	89.	AG	1375.	10.3	.0	56.0		
17. EB	Sec dep2	1949.0	867.0	2104.0	870.0	155.	89.	AG	1375.	10.3	.0	56.0		
18. WB	Sec ap	2109.0	937.0	1863.0	925.0	246.	267.	AG	1300.	10.3	.0	56.0		
19. WB	Sec ap	1863.0	925.0	1647.0	933.0	216.	272.	AG	1300.	10.3	.0	56.0		
20. WB	Sec ap	1647.0	933.0	1496.0	952.0	152.	277.	AG	1300.	10.3	.0	56.0		
21. WB	Sec thru	1496.0	952.0	1098.0	1043.0	408.	283.	AG	550.	10.3	.0	44.0		
22. WB	Sec thru	1165.0	1028.0	1297.0	997.9	135.	103.	AG	195.	100.0	.0	24.0	.45	6.9
23. WB	Sec left	1496.0	952.0	1348.0	958.0	148.	272.	AG	420.	10.3	.0	44.0		
24. WB	Sec left	1348.0	958.0	1096.0	1019.0	259.	284.	AG	420.	10.3	.0	44.0		
25. WB	Sec left	1172.0	1000.0	1300.7	969.6	132.	103.	AG	244.	100.0	.0	24.0	.70	6.7
26. WB	Sec right	1496.0	952.0	1392.0	991.0	111.	291.	AG	330.	10.3	.0	32.0		
27. WB	Sec right	1392.0	991.0	1214.0	1033.0	183.	283.	AG	330.	10.3	.0	32.0		
28. WB	Sec right	1214.0	1033.0	1153.0	1068.0	70.	300.	AG	330.	10.3	.0	32.0		
29. WB	Sec right	1153.0	1068.0	1100.0	1119.0	74.	314.	AG	330.	10.3	.0	32.0		
30. WB	Sec d1	1098.0	1043.0	922.0	1086.0	181.	284.	AG	630.	10.3	.0	56.0		
31. WB	Sec d2	922.0	1086.0	745.0	1132.0	183.	285.	AG	755.	10.3	.0	56.0		
32. WB	Sec d2	745.0	1132.0	568.0	1184.0	184.	286.	AG	755.	10.3	.0	44.0		
33. WB	Sec d2	568.0	1184.0	159.0	1294.0	424.	285.	AG	755.	10.3	.0	44.0		
34. NB	Rol ap	1435.0	51.0	1353.0	250.0	215.	338.	AG	1255.	10.6	.0	44.0		
35. NB	Rol ap	1353.0	250.0	1279.0	490.0	251.	343.	AG	1255.	10.6	.0	44.0		
36. NB	Rol ap	1279.0	490.0	1215.0	701.0	220.	343.	AG	1255.	10.6	.0	44.0		
37. NB	Rol thru	1215.0	701.0	1133.0	990.0	300.	344.	AG	755.	10.6	.0	44.0		
38. NB	Rol thru	1153.0	919.0	1207.8	726.7	200.	164.	AG	210.	100.0	.0	24.0	.71	10.2
39. NB	Rol left	1215.0	701.0	1174.0	783.0	92.	333.	AG	80.	10.6	.0	32.0		
40. NB	Rol left	1174.0	783.0	1111.0	999.0	225.	344.	AG	80.	10.6	.0	32.0		
41. NB	Rol left	1133.0	924.0	1147.9	872.3	54.	164.	AG	133.	100.0	.0	12.0	.45	2.7
42. NB	Rol right	1208.0	726.0	1194.0	865.0	140.	354.	AG	420.	10.6	.0	32.0		
43. NB	Rol right	1194.0	865.0	1226.0	908.0	54.	37.	AG	420.	10.6	.0	32.0		
44. NB	Rol right	1226.0	908.0	1288.0	919.0	63.	80.	AG	420.	10.6	.0	32.0		

JOB: Site 1 Security & Rolling Rd EX AM RUN: Site 1 Existing AM
DATE: 09/05/2012 TIME: 14:59:00.40

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. NB	Rol right	1288.0	919.0	1367.0	908.0	80.	98.	AG	420.	10.6	.0	32.0		
46. NB	Rol dep1	1133.0	990.0	1100.0	1119.0	133.	346.	AG	865.	10.6	.0	44.0		
47. NB	Rol dep2	1100.0	1119.0	1038.0	1302.0	193.	341.	AG	1195.	10.6	.0	44.0		
48. NB	Rol dep2	1038.0	1302.0	960.0	1501.0	214.	339.	AG	1195.	10.6	.0	44.0		
49. NB	Rol dep2	960.0	1501.0	907.0	1687.0	193.	344.	AG	1195.	10.6	.0	44.0		
50. NB	Rol dep2	907.0	1687.0	877.0	1869.0	184.	351.	AG	1195.	10.6	.0	44.0		
51. NB	Rol dep2	877.0	1869.0	870.0	1967.0	98.	356.	AG	1195.	10.6	.0	44.0		
52. SB	Rol ap	842.0	1958.0	851.0	1852.0	106.	175.	AG	1540.	10.6	.0	44.0		
53. SB	Rol ap	851.0	1852.0	876.0	1698.0	156.	171.	AG	1540.	10.6	.0	44.0		
54. SB	Rol ap	876.0	1698.0	915.0	1552.0	151.	165.	AG	1540.	10.6	.0	44.0		
55. SB	Rol ap	915.0	1552.0	988.0	1331.0	233.	162.	AG	1540.	10.6	.0	44.0		
56. SB	Rol thru	988.0	1331.0	1084.0	1021.0	325.	163.	AG	875.	10.6	.0	44.0		
57. SB	Rol thru	1065.0	1084.0	1004.4	1280.4	206.	343.	AG	186.	100.0	.0	24.0	.64	10.4
58. SB	Rol left	988.0	1331.0	1038.0	1230.0	113.	154.	AG	540.	10.6	.0	44.0		
59. SB	Rol left	1038.0	1230.0	1106.0	1025.0	216.	162.	AG	540.	10.6	.0	44.0		
60. SB	Rol left	1088.0	1079.0	1028.8	1256.5	187.	342.	AG	242.	100.0	.0	24.0	.85	9.5
61. SB	Rol right	988.0	1331.0	1027.0	1165.0	171.	167.	AG	125.	10.6	.0	32.0		
62. SB	Rol right	1027.0	1165.0	1014.0	1119.0	48.	196.	AG	125.	10.6	.0	32.0		
63. SB	Rol right	1014.0	1119.0	973.0	1089.0	51.	234.	AG	125.	11.1	.0	32.0		
64. SB	Rol right	980.0	1095.0	1028.2	1128.6	59.	55.	AG	93.	100.0	.0	12.0	.21	3.0
65. SB	Rol right	973.0	1089.0	922.0	1086.0	51.	267.	AG	125.	10.6	.0	32.0		

66. SB	Rol dep1	*	1084.0	1021.0	1119.0	882.0	*	143.	166.	AG	1295.	10.6	.0	44.0
67. SB	Rol dep2	*	1123.0	878.0	1195.0	618.0	*	270.	165.	AG	1345.	10.6	.0	44.0
68. SB	Rol dep2	*	1195.0	618.0	1278.0	344.0	*	286.	163.	AG	1345.	10.6	.0	44.0
69. SB	Rol dep2	*	1278.0	344.0	1338.0	172.0	*	182.	161.	AG	1345.	10.6	.0	44.0
70. SB	Rol dep2	*	1338.0	172.0	1396.0	37.0	*	147.	157.	AG	1345.	10.6	.0	44.0

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JOB: Site 1 Security & Rolling Rd EX AM RUN: Site 1 Existing AM
DATE: 09/05/2012 TIME: 14:59:00.40

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB Sec thru	*	140	97	2.0	415	1910	56.40	1	3
7. EB Sec left	*	140	121	2.0	110	1909	56.40	1	3
11. EB Sec right	*	140	97	2.0	50	1708	56.40	1	3
22. WB Sec thru	*	140	90	2.0	550	1873	56.40	1	3
25. WB Sec left	*	140	113	2.0	420	1817	56.40	1	3
38. NB Rol thru	*	140	97	2.0	755	1910	56.40	1	3
41. NB Rol left	*	140	123	2.0	80	1909	56.40	1	3
57. SB Rol thru	*	140	86	2.0	875	1910	56.40	1	3
60. SB Rol left	*	140	112	2.0	540	1852	56.40	1	3
64. SB Rol right	*	140	86	2.0	125	1708	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1299.0	511.0	5.0	*
2. SE 164 S	*	1248.0	695.0	5.0	*
3. SE 82 S	*	1226.0	773.0	5.0	*
4. SE CNR	*	1221.0	872.0	5.0	*
5. SE 82 E	*	1320.0	889.0	5.0	*
6. SE 164 E	*	1401.0	871.0	5.0	*
7. SE MID E	*	1598.0	845.0	5.0	*
8. NE MID E	*	1533.0	984.0	5.0	*
9. NE 164 E	*	1327.0	1024.0	5.0	*
10. NE 82 E	*	1245.0	1044.0	5.0	*
11. NE CNR	*	1168.0	1085.0	5.0	*
12. NE 82 N	*	1108.0	1174.0	5.0	*
13. NE 164 N	*	1082.0	1252.0	5.0	*
14. NE MID N	*	1001.0	1456.0	5.0	*
15. NW MID N	*	932.0	1430.0	5.0	*
16. NW 164 N	*	974.0	1289.0	5.0	*
17. NW 82 N	*	1000.0	1211.0	5.0	*
18. NW CNR	*	986.0	1122.0	5.0	*
19. NW 82 W	*	899.0	1115.0	5.0	*
20. NW 164 W	*	820.0	1138.0	5.0	*
21. NW MID W	*	610.0	1193.0	5.0	*
22. SW MID W	*	658.0	1066.0	5.0	*
23. SW 164 W	*	891.0	1003.0	5.0	*
24. SW 82 W	*	971.0	980.0	5.0	*
25. SW CNR	*	1084.0	889.0	5.0	*
26. SW 82 S	*	1120.0	798.0	5.0	*
27. SW 164 S	*	1141.0	719.0	5.0	*
28. SW MID S	*	1214.0	475.0	5.0	*

1

JOB: Site 1 Security & Rolling Rd EX AM RUN: Site 1 Existing AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.5	.5	.9	.8	.6	.6	.0	.0	.0	.0	.1	.2	.2	1.3	1.1	1.3	.4	.1	.0
5.	.1	.3	.3	.9	.6	.6	.6	.0	.0	.0	.0	.1	.0	.1	1.1	1.0	1.3	.8	.2	.0
10.	.1	.2	.3	1.0	.6	.6	.6	.0	.0	.0	.0	.0	.0	.1	1.1	.9	1.5	.9	.2	.1
15.	.0	.2	.3	1.0	.5	.6	.6	.0	.0	.0	.0	.0	.0	.1	1.0	.9	1.6	.9	.2	.1
20.	.1	.1	.3	.9	.5	.6	.7	.0	.0	.0	.0	.0	.0	.1	1.1	.9	1.4	.9	.2	.1
25.	.1	.0	.2	.9	.5	.6	.6	.0	.0	.0	.0	.0	.0	.0	.9	.8	1.6	.9	.4	.2
30.	.1	.1	.1	.9	.5	.6	.6	.0	.0	.0	.0	.0	.0	.0	.9	.7	1.5	1.1	.4	.2
35.	.0	.1	.1	.9	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.9	.7	1.6	1.1	.5	.2
40.	.0	.1	.2	.7	.7	.7	.8	.0	.0	.0	.0	.0	.0	.0	.8	.7	1.5	1.1	.4	.2
45.	.0	.1	.2	.5	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.8	.8	1.5	1.1	.4	.1
50.	.0	.1	.1	.5	.7	.6	.7	.0	.0	.0	.0	.0	.0	.0	.8	.7	1.5	1.1	.4	.3
55.	.0	.1	.1	.4	.7	.6	.7	.0	.0	.0	.0	.0	.0	.0	.8	.7	1.5	1.1	.6	.4
60.	.0	.1	.1	.4	.8	.6	.7	.0	.0	.0	.0	.0	.0	.0	.8	.7	1.7	1.1	.6	.4
65.	.0	.2	.2	.4	.8	.6	.9	.0	.0	.0	.0	.0	.0	.0	.9	.8	1.7	1.2	.6	.4
70.	.0	.0	.1	.2	.8	.8	.9	.0	.0	.0	.0	.0	.0	.0	.9	.8	1.7	1.2	.7	.4
75.	.0	.0	.2	.3	.7	.8	.8	.0	.0	.0	.0	.0	.0	.0	.9	.7	1.7	1.1	.7	.5
80.	.0	.0	.2	.3	1.0	.8	.8	.0	.0	.0	.0	.0	.0	.0	.8	.8	1.6	1.1	.7	.5

85.	*	.0	.0	.0	.5	.9	.9	.7	.2	.0	.0	.0	.0	.0	.0	.8	.9	1.6	1.2	.9	.5
90.	*	.0	.0	.0	.2	.8	.8	.6	.3	.0	.1	.0	.0	.0	.0	.8	.9	1.6	1.3	.9	.5
95.	*	.0	.0	.0	.2	.5	.6	.4	.4	.4	.2	.0	.0	.0	.0	.8	.9	1.6	1.3	.7	.6
100.	*	.0	.0	.0	.1	.5	.4	.3	.6	.4	.3	.0	.0	.0	.0	.8	1.0	1.6	1.4	1.0	.6
105.	*	.0	.0	.0	.1	.3	.3	.3	.8	.5	.4	.2	.0	.0	.0	.9	1.0	1.6	1.3	1.1	.7
110.	*	.0	.0	.0	.0	.2	.3	.1	.7	.6	.7	.3	.0	.0	.0	.9	1.2	1.6	1.4	1.1	.6
115.	*	.0	.0	.0	.0	.1	.1	.1	.7	.7	.8	.5	.0	.0	.1	.9	1.2	1.9	1.5	1.1	.6
120.	*	.0	.0	.0	.0	.1	.1	.1	.7	.7	.7	.6	.0	.0	.1	.9	1.4	2.2	1.3	.9	.7
125.	*	.0	.0	.0	.0	.0	.1	.0	.8	.8	.8	.8	.4	.0	.1	1.0	1.6	2.3	1.4	1.0	.8
130.	*	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.1	1.1	.4	.0	.1	1.1	1.8	2.5	1.5	1.1	.6
135.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.2	1.0	.4	.3	.1	1.2	2.0	2.4	1.0	1.2	.7
140.	*	.1	.0	.0	.0	.0	.0	.0	.6	.6	1.2	1.0	.4	.3	.2	1.3	2.0	2.2	1.1	1.0	.6
145.	*	.1	.1	.0	.0	.0	.0	.0	.6	.6	1.2	1.0	.5	.5	.3	1.4	1.9	2.1	1.1	.8	.6
150.	*	.2	.1	.1	.0	.0	.0	.0	.6	.5	1.2	1.0	.6	.5	.5	1.2	1.7	1.7	1.1	.7	.4
155.	*	.4	.3	.2	.0	.0	.0	.0	.6	.6	1.2	1.0	.8	.6	.8	1.4	1.7	1.7	1.1	.6	.4
160.	*	.5	.4	.5	.1	.0	.0	.0	.6	.5	1.2	1.2	1.0	.9	.9	1.0	1.4	1.5	1.1	.5	.4
165.	*	.6	.5	.5	.4	.0	.0	.0	.6	.6	1.3	1.2	1.3	1.2	1.0	.8	1.1	1.2	1.0	.4	.4
170.	*	.9	.7	.6	.5	.0	.0	.0	.7	.6	1.3	1.1	1.4	1.4	1.1	.6	.6	1.0	.8	.3	.3
175.	*	.9	.9	.9	.6	.0	.0	.0	.6	.5	1.6	1.3	1.1	1.5	1.1	.4	.3	.6	.8	.3	.3
180.	*	.8	.8	1.1	.7	.3	.0	.0	.6	.5	1.7	1.1	1.2	1.4	1.2	.2	.3	.5	.8	.3	.3
185.	*	.9	.8	.9	.7	.2	.0	.0	.6	.7	1.8	1.1	1.1	1.6	1.1	.1	.2	.4	.8	.3	.4
190.	*	.9	.7	1.0	1.0	.2	.1	.0	.6	.8	1.6	1.1	1.4	1.6	1.2	.1	.0	.3	.6	.3	.4
195.	*	.8	.7	1.1	1.0	.2	.2	.0	.6	1.0	1.7	1.0	1.4	1.7	1.0	.1	.0	.2	.5	.4	.4
200.	*	.8	.8	1.0	.9	.3	.2	.0	.6	.8	1.7	1.1	1.6	1.8	.8	.1	.0	.2	.5	.4	.4
205.	*	.9	.8	1.1	.9	.4	.2	.0	.5	1.1	1.8	.8	1.6	1.8	.9	.1	.1	.1	.4	.4	.4

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JOB: Site 1 Security & Rolling Rd EX AM RUN: Site 1 Existing AM

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.8	.7	1.0	.9	.3	.2	.0	.5	1.1	1.7	.8	1.6	1.7	.9	.1	.1	.0	.4	.4	.3
215.	*	.8	.6	.9	.9	.3	.2	.0	.5	1.2	1.8	.7	1.5	1.5	.8	.0	.1	.1	.2	.4	.3
220.	*	.8	.7	1.0	1.0	.3	.2	.1	.6	1.2	1.6	.6	1.5	1.4	.8	.0	.1	.1	.2	.4	.3
225.	*	.7	.7	1.0	1.0	.3	.2	.1	.7	1.3	1.5	.6	1.5	1.4	.8	.0	.1	.1	.2	.4	.4
230.	*	.8	.6	1.1	1.0	.4	.2	.1	.7	1.4	1.4	.9	1.6	1.4	.8	.0	.0	.1	.2	.4	.4
235.	*	.7	.6	1.1	1.0	.4	.2	.1	.8	1.6	1.5	1.0	1.6	1.4	.8	.0	.0	.1	.3	.4	.4
240.	*	.7	.6	1.1	1.0	.4	.3	.0	.9	1.5	1.3	1.0	1.6	1.6	.8	.0	.0	.1	.3	.4	.4
245.	*	.8	.6	1.1	1.0	.4	.3	.0	.9	1.6	1.4	1.0	1.4	1.5	.8	.0	.0	.1	.3	.4	.4
250.	*	.7	.6	1.1	1.0	.4	.3	.1	.7	1.6	1.4	1.0	1.5	1.4	.9	.0	.0	.1	.3	.4	.5
255.	*	.7	.6	1.1	1.0	.4	.3	.2	.9	1.4	1.3	.9	1.5	1.4	.8	.0	.0	.1	.3	.4	.5
260.	*	.7	.7	1.1	1.0	.4	.3	.3	.8	1.5	1.3	1.0	1.5	1.3	.8	.0	.0	.0	.2	.5	.5
265.	*	.7	.7	1.1	1.0	.4	.3	.3	.8	1.4	1.2	1.0	1.4	1.3	.8	.0	.0	.0	.1	.5	.4
270.	*	.7	.7	1.1	1.0	.5	.5	.4	.8	1.4	1.0	.9	1.4	1.2	.8	.0	.0	.0	.1	.5	.3
275.	*	.7	.6	1.1	1.0	.5	.4	.6	.5	.9	1.0	.9	1.4	1.1	.8	.0	.0	.0	.1	.4	.4
280.	*	.7	.6	1.1	.9	.5	.6	.5	.3	.9	1.0	1.1	1.4	1.1	.8	.0	.0	.0	.1	.4	.4
285.	*	.7	.7	1.0	.9	.7	.8	.7	.4	.8	.8	1.0	1.4	1.0	.8	.0	.0	.0	.1	.5	.4
290.	*	.8	.8	1.1	1.1	.8	.7	.9	.2	.6	.8	1.0	1.4	.9	.8	.1	.0	.0	.0	.4	.4
295.	*	.8	.7	1.2	1.2	.9	.9	1.0	.1	.6	.7	1.0	1.5	1.1	1.0	.1	.0	.0	.0	.2	.2
300.	*	.7	.8	1.2	1.1	1.0	1.2	.8	.0	.4	.7	1.1	1.5	.9	1.0	.1	.0	.0	.0	.2	.1
305.	*	.8	.9	1.4	1.2	1.4	1.3	.8	.0	.4	.6	1.1	1.5	.9	1.0	.1	.0	.0	.0	.1	.1
310.	*	.8	1.0	1.5	1.1	1.5	1.3	.7	.0	.3	.5	1.1	1.5	1.0	1.0	.1	.0	.0	.0	.1	.1
315.	*	.9	1.1	1.5	1.2	1.5	1.3	.8	.0	.2	.5	1.0	1.5	1.0	1.0	.1	.0	.0	.0	.1	.0
320.	*	.8	1.2	1.4	1.0	1.6	1.1	.6	.0	.1	.6	.9	1.3	1.0	.9	.1	.1	.1	.0	.1	.0
325.	*	1.0	1.2	1.5	1.0	1.4	.7	.7	.0	.0	.4	.8	1.2	.8	1.2	.3	.1	.2	.0	.0	.0
330.	*	1.1	1.2	1.5	1.1	1.2	.8	.7	.0	.0	.3	.7	1.1	1.0	1.1	.4	.2	.2	.0	.0	.0
335.	*	.8	1.1	1.4	1.3	1.1	.6	.6	.0	.0	.0	.4	.8	1.0	1.0	.6	.4	.4	.0	.0	.0
340.	*	.8	1.1	1.2	1.2	.9	.6	.7	.0	.0	.0	.3	.6	.6	1.0	.8	.7	.6	.1	.0	.0
345.	*	.7	.9	.9	1.0	.9	.6	.7	.0	.0	.0	.1	.5	.6	.7	1.1	.8	1.0	.1	.0	.0
350.	*	.6	.7	.7	.8	.8	.6	.6	.0	.0	.0	.0	.3	.2	.6	1.2	.9	1.1	.4	.0	.0
355.	*	.3	.5	.6	.8	.8	.6	.6	.0	.0	.0	.0	.2	.2	.2	1.3	1.1	1.3	.4	.1	.0
360.	*	.1	.5	.5	.9	.8	.6	.6	.0	.0	.0	.0	.1	.2	.2	1.3	1.1	1.3	.4	.1	.0
MAX	*	1.1	1.2	1.5	1.3	1.6	1.3	1.0	.9	1.6	1.8	1.3	1.6	1.8	1.2	1.4	2.0	2.5	1.5	1.2	.8
DEGR.	*	330	320	310	335	320	305	295	240	235	185	175	200	200	325	145	135	130	130	135	125

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JOB: Site 1 Security & Rolling Rd EX AM RUN: Site 1 Existing AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.2	.3	1.1	1.2	1.3	1.1	1.1
5.	*	.0	.2	.3	1.3	1.1	1.3	1.3	1.1
10.	*	.0	.2	.4	1.3	1.0	1.3	1.4	1.0
15.	*	.0	.2	.4	1.4	.6	1.3	1.4	.8
20.	*	.0	.2	.8	1.4	.8	1.4	1.4	.9
25.	*	.0	.2	.7	1.5	.9	1.4	1.5	.9
30.	*	.0	.2	.6	1.5	1.0	1.4	1.3	.8
35.	*	.0	.3	.6	1.5	.9	1.3	1.3	.8
40.	*	.0	.3	.6	1.5	1.0	1.3	1.2	.7

45.	*	.1	.3	.6	1.5	1.1	1.3	1.2	.7
50.	*	.1	.3	.7	1.4	1.2	1.1	1.0	.7
55.	*	.1	.3	.7	1.2	1.3	1.1	1.0	.6
60.	*	.1	.2	.6	1.1	1.3	1.2	1.0	.7
65.	*	.1	.4	.8	1.1	1.3	1.3	1.1	.8
70.	*	.0	.4	.8	1.2	1.2	1.2	1.0	.8
75.	*	.1	.5	.9	1.1	1.0	1.1	.9	.7
80.	*	.1	.5	1.1	1.1	1.1	1.1	.8	.7
85.	*	.3	.4	1.0	1.1	1.0	1.2	.7	.8
90.	*	.3	.3	1.0	1.0	1.1	1.0	.7	.7
95.	*	.4	.4	1.0	.9	1.1	1.0	.7	.7
100.	*	.4	.2	.6	.8	1.0	1.1	.7	.7
105.	*	.4	.2	.7	.8	.9	1.0	.7	.7
110.	*	.4	.1	.6	.4	.9	1.0	.8	.7
115.	*	.5	.1	.5	.5	.9	1.0	.7	.8
120.	*	.6	.0	.4	.4	.8	.9	.7	.9
125.	*	.6	.0	.3	.4	.8	1.0	.7	.9
130.	*	.5	.0	.2	.4	.9	1.0	.8	.9
135.	*	.5	.0	.2	.3	1.0	.9	.8	1.0
140.	*	.4	.0	.1	.2	.8	1.0	.9	1.0
145.	*	.4	.0	.1	.3	1.0	1.1	1.0	1.0
150.	*	.4	.0	.0	.2	.8	1.0	1.0	1.0
155.	*	.4	.0	.0	.2	.8	.9	.9	.8
160.	*	.4	.0	.0	.0	.6	.8	.8	.8
165.	*	.4	.0	.0	.0	.5	.7	.7	.6
170.	*	.4	.0	.0	.0	.3	.4	.4	.4
175.	*	.4	.0	.0	.0	.1	.4	.3	.3
180.	*	.3	.0	.0	.0	.1	.2	.2	.2
185.	*	.3	.0	.0	.0	.0	.1	.1	.1
190.	*	.4	.0	.0	.0	.0	.1	.1	.1
195.	*	.4	.0	.0	.0	.0	.1	.1	.1
200.	*	.4	.0	.0	.0	.0	.1	.0	.1
205.	*	.4	.0	.0	.0	.0	.0	.0	.0

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JOB: Site 1 Security & Rolling Rd EX AM RUN: Site 1 Existing AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.4	.0	.0	.0	.0	.0	.0	.0
215.	*	.4	.0	.0	.0	.0	.0	.0	.0
220.	*	.4	.0	.0	.0	.0	.0	.0	.0
225.	*	.4	.0	.0	.0	.0	.0	.0	.0
230.	*	.4	.0	.0	.0	.0	.0	.0	.0
235.	*	.5	.0	.0	.0	.0	.0	.0	.0
240.	*	.5	.0	.0	.0	.0	.0	.0	.0
245.	*	.4	.0	.0	.0	.0	.0	.0	.0
250.	*	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.5	.0	.0	.0	.0	.0	.0	.0
260.	*	.5	.0	.0	.0	.0	.0	.0	.0
265.	*	.5	.0	.0	.0	.0	.0	.0	.0
270.	*	.5	.0	.0	.0	.0	.0	.0	.0
275.	*	.5	.1	.0	.0	.0	.0	.0	.0
280.	*	.5	.1	.1	.1	.0	.0	.0	.0
285.	*	.4	.1	.1	.1	.0	.0	.0	.0
290.	*	.3	.2	.1	.1	.0	.0	.0	.0
295.	*	.3	.2	.1	.1	.0	.0	.0	.0
300.	*	.2	.3	.3	.3	.2	.0	.0	.0
305.	*	.2	.3	.4	.3	.2	.0	.0	.1
310.	*	.1	.3	.4	.4	.2	.0	.0	.1
315.	*	.0	.3	.3	.4	.2	.2	.1	.1
320.	*	.0	.4	.2	.4	.3	.2	.1	.1
325.	*	.0	.3	.2	.4	.5	.2	.1	.1
330.	*	.0	.2	.2	.5	.6	.3	.3	.3
335.	*	.0	.2	.2	.6	1.0	.7	.4	.4
340.	*	.0	.2	.2	.5	.8	.8	.8	.6
345.	*	.0	.2	.2	.6	1.0	.9	.9	1.0
350.	*	.0	.2	.2	.7	1.1	1.0	1.1	1.0
355.	*	.0	.2	.2	.8	1.3	1.3	1.0	1.1
360.	*	.0	.2	.3	1.1	1.2	1.3	1.1	1.1
MAX	*	.6	.5	1.1	1.5	1.3	1.4	1.5	1.1
DEGR.	*	120	75	80	25	355	20	25	0

THE HIGHEST CONCENTRATION IS 2.50 PPM AT 130 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS 2.00 PPM AT 135 DEGREES FROM REC16.
THE 3RD HIGHEST CONCENTRATION IS 1.80 PPM AT 185 DEGREES FROM REC10.

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Site 1 Security & Rolling Rd EX PM      60.0321.0.0000.000280.30480000    1    1
SE MID S                 1299.      511.       5.0
SE 164 S                 1248.      695.       5.0
SE 82 S                  1226.      773.       5.0
SE CNR                   1221.      872.       5.0
SE 82 E                  1320.      889.       5.0
SE 164 E                 1401.      871.       5.0
SE MID E                 1598.      845.       5.0
NE MID E                 1533.      984.       5.0
NE 164 E                 1327.     1024.       5.0
NE 82 E                  1245.     1044.       5.0
NE CNR                   1168.     1085.       5.0
NE 82 N                  1108.     1174.       5.0
NE 164 N                 1082.     1252.       5.0
NE MID N                 1001.     1456.       5.0
NW MID N                  932.     1430.       5.0
NW 164 N                  974.     1289.       5.0
NW 82 N                  1000.     1211.       5.0
NW CNR                    986.     1122.       5.0
NW 82 W                   899.     1115.       5.0
NW 164 W                  820.     1138.       5.0
NW MID W                  610.     1193.       5.0
SW MID W                  658.     1066.       5.0
SW 164 W                  891.     1003.       5.0
SW 82 W                   971.      980.       5.0
SW CNR                   1084.      889.       5.0
SW 82 S                  1120.      798.       5.0
SW 164 S                 1141.      719.       5.0
SW MID S                 1214.      475.       5.0
Site 1 Existing PM                      70  1   0
  1
EB        Sec ap    AG   139.  1226.   392.  1160.    985.10.3   0  44   40.
  1
EB        Sec ap    AG   392.  1160.   603.  1116.    985.10.3   0  44   40.
  1
EB        Sec thru  AG   603.  1116.  1120.   976.    655.10.3   0  44   40.
  2
EB        Sec thru  AG  1054.   994.   814.  1059.      0.  24   2
       140       101       2.0  655   56.4 1770 1 3
  1
EB        Sec left  AG   603.  1116.   738.  1096.    205.10.3   0  32   40.
  1
EB        Sec left  AG   738.  1096.  1122.   994.    205.10.3   0  32   40.
  2
EB        Sec left  AG  1051.  1013.   827.  1072.      0.  12   1
       140       112       2.0  205   56.4 1770 1 3
  1
EB        Sec right AG   603.  1116.   722.  1067.    125.10.3   0  32   40.
  1
EB        Sec right AG   722.  1067.   986.   995.    125.10.3   0  32   40.
  1
EB        Sec right AG   986.   995.  1070.   942.    125.10.3   0  32   40.
  2
EB        Sec right AG  1062.   947.   993.   990.      0.  12   1
       140       101       2.0  125   56.4 1583 1 3
  1
EB        Sec right AG  1070.   942.  1123.   878.    125.10.3   0  32   40.
  1
EB        Sec dep1  AG  1120.   976.  1367.   908.    980.10.3   0  44   40.
  1
EB        Sec dep2  AG  1367.   908.  1569.   880.   1390.10.3   0  56   40.
  1
EB        Sec dep2  AG  1569.   880.  1751.   864.   1390.10.3   0  56   40.
  1
EB        Sec dep2  AG  1751.   864.  1949.   867.   1390.10.3   0  56   40.
  1
EB        Sec dep2  AG  1949.   867.  2104.   870.   1390.10.3   0  56   40.
  1
WB        Sec ap    AG  2109.   937.  1863.   925.   1435.10.3   0  56   40.
  1
WB        Sec ap    AG  1863.   925.  1647.   933.   1435.10.3   0  56   40.
  1
WB        Sec ap    AG  1647.   933.  1496.   952.   1435.10.3   0  56   40.
  1
WB        Sec thru  AG  1496.   952.  1098.  1043.    375.10.3   0  44   40.
  2
WB        Sec thru  AG  1165.  1028.  1424.   969.      0.  24   2
       140        96       2.0  375   56.4 1873 1 3
  1
WB        Sec left  AG  1496.   952.  1348.   958.    570.10.3   0  44   40.
  1
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WB        Sec left  AG  1348.   958.  1096.  1019.    570.10.3   0  44   40.
  2
WB        Sec left  AG  1172.  1000.  1333.   962.      0.  24   2
       140       108       2.0  570   56.4 1817 1 3
  1
WB        Sec right AG  1496.   952.  1392.   991.    490.10.3   0  32   40.
  1
WB        Sec right AG  1392.   991.  1214.  1033.    490.10.3   0  32   40.
  1
WB        Sec right AG  1214.  1033.  1153.  1068.    490.10.3   0  32   40.
  1
WB        Sec right AG  1153.  1068.  1100.  1119.    490.10.3   0  32   40.
  1
WB        Sec d1    AG  1098.  1043.   922.  1086.    410.10.3   0  56   40.
  1
WB        Sec d2    AG   922.  1086.   745.  1132.    530.10.3   0  56   40.
  1
WB        Sec d2    AG   745.  1132.   568.  1184.    530.10.3   0  44   40.
  1
WB        Sec d2    AG   568.  1184.   159.  1294.    530.10.3   0  44   40.
  1
NB        Rol ap    AG  1435.    51.  1353.   250.   1300.10.6   0  44   45.
  1
NB        Rol ap    AG  1353.   250.  1279.   490.   1300.10.6   0  44   45.
  1
NB        Rol ap    AG  1279.   490.  1215.   701.   1300.10.6   0  44   45.
  1
NB        Rol thru  AG  1215.   701.  1133.   990.    855.10.6   0  44   45.
  2
NB        Rol thru  AG  1153.   919.  1208.   726.      0.  24   2
       140        93       2.0  855   56.4 1910 1 3
  1
NB        Rol left  AG  1215.   701.  1174.   783.     35.10.6   0  32   45.
  1
NB        Rol left  AG  1174.   783.  1111.   999.     35.10.6   0  32   45.
  2
NB        Rol left  AG  1133.   924.  1171.   792.      0.  12   1
       140       128       2.0   35   56.4 1909 1 3
  1
NB        Rol right AG  1208.   726.  1194.   865.    410.10.6   0  32   45.
  1
NB        Rol right AG  1194.   865.  1226.   908.    410.10.6   0  32   45.
  1
NB        Rol right AG  1226.   908.  1288.   919.    410.10.6   0  32   45.
  1
NB        Rol right AG  1288.   919.  1367.   908.    410.10.6   0  32   45.
  1
NB        Rol dep1  AG  1133.   990.  1100.  1119.   1060.10.6   0  44   45.
  1
NB        Rol dep2  AG  1100.  1119.  1038.  1302.   1550.10.6   0  44   45.
  1
NB        Rol dep2  AG  1038.  1302.   960.  1501.   1550.10.6   0  44   45.
  1
NB        Rol dep2  AG   960.  1501.   907.  1687.   1550.10.6   0  44   45.
  1
NB        Rol dep2  AG   907.  1687.   877.  1869.   1550.10.6   0  44   45.
  1
NB        Rol dep2  AG   877.  1869.   870.  1967.   1550.10.6   0  44   45.
  1
SB        Rol ap    AG   842.  1958.   851.  1852.   1120.10.6   0  44   45.
  1
SB        Rol ap    AG   851.  1852.   876.  1698.   1120.10.6   0  44   45.
  1
SB        Rol ap    AG   876.  1698.   915.  1552.   1120.10.6   0  44   45.
  1
SB        Rol ap    AG   915.  1552.   988.  1331.   1120.10.6   0  44   45.
  1
SB        Rol thru  AG   988.  1331.  1084.  1021.    675.10.6   0  44   45.
  2
SB        Rol thru  AG  1065.  1084.  1002.  1288.      0.  24   2
       140        84       2.0  675   56.4 1910 1 3
  1
SB        Rol left  AG   988.  1331.  1038.  1230.    325.10.6   0  44   45.
  1
SB        Rol left  AG  1038.  1230.  1106.  1025.    325.10.6   0  44   45.
  2
SB        Rol left  AG  1088.  1079.  1040.  1223.      0.  24   2
       140       118       2.0  325   56.4 1852 1 3
  1
SB        Rol right AG   988.  1331.  1027.  1165.    120.10.6   0  32   45.
  1
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SB        Rol right AG  1027.  1165.  1014.  1119.    120.10.6   0  32   45.
  1
SB        Rol right AG  1014.  1119.   973.  1089.    120.10.6   0  32   45.
  2
SB        Rol right AG   980.  1095.  1013.  1118.      0.  12   1
       140        84       2.0  120   56.4 1708 1 3
  1
SB        Rol right AG   973.  1089.   922.  1086.    120.10.6   0  32   45.
  1
SB        Rol dep1  AG  1084.  1021.  1119.   882.   1245.10.6   0  44   45.
  1
SB        Rol dep2  AG  1123.   878.  1195.   618.   1370.10.6   0  44   45.
  1
SB        Rol dep2  AG  1195.   618.  1278.   344.   1370.10.6   0  44   45.
  1
SB        Rol dep2  AG  1278.   344.  1338.   172.   1370.10.6   0  44   45.
  1
SB        Rol dep2  AG  1338.   172.  1396.    37.   1370.10.6   0  44   45.
1.0   04  1000   0Y  5  0 72
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JOB: Site 1 Security & Rolling Rd EX PM RUN: Site 1 Existing PM
DATE: 09/05/2012 TIME: 14:59:10.78

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Sec ap	139.0	1226.0	392.0	1160.0	261.	105.	AG	985.	10.3	.0	44.0		
2. EB	Sec ap	392.0	1160.0	603.0	1116.0	216.	102.	AG	985.	10.3	.0	44.0		
3. EB	Sec thru	603.0	1116.0	1120.0	976.0	536.	105.	AG	655.	10.3	.0	44.0		
4. EB	Sec thru	1054.0	994.0	878.6	1041.5	182.	285.	AG	218.	100.0	.0	24.0	.74	9.2
5. EB	Sec left	603.0	1116.0	738.0	1096.0	136.	98.	AG	205.	10.3	.0	32.0		
6. EB	Sec left	738.0	1096.0	1122.0	994.0	397.	105.	AG	205.	10.3	.0	32.0		
7. EB	Sec left	1051.0	1013.0	929.1	1045.1	126.	285.	AG	121.	100.0	.0	12.0	.68	6.4
8. EB	Sec right	603.0	1116.0	722.0	1067.0	129.	112.	AG	125.	10.3	.0	32.0		
9. EB	Sec right	722.0	1067.0	986.0	995.0	274.	105.	AG	125.	10.3	.0	32.0		
10. EB	Sec right	986.0	995.0	1070.0	942.0	99.	122.	AG	125.	10.3	.0	32.0		
11. EB	Sec right	1062.0	947.0	1003.4	983.5	69.	302.	AG	109.	100.0	.0	12.0	.32	3.5
12. EB	Sec right	1070.0	942.0	1123.0	878.0	83.	140.	AG	125.	10.3	.0	32.0		
13. EB	Sec dep1	1120.0	976.0	1367.0	908.0	256.	105.	AG	980.	10.3	.0	44.0		
14. EB	Sec dep2	1367.0	908.0	1569.0	880.0	204.	98.	AG	1390.	10.3	.0	56.0		
15. EB	Sec dep2	1569.0	880.0	1751.0	864.0	183.	95.	AG	1390.	10.3	.0	56.0		
16. EB	Sec dep2	1751.0	864.0	1949.0	867.0	198.	89.	AG	1390.	10.3	.0	56.0		
17. EB	Sec dep2	1949.0	867.0	2104.0	870.0	155.	89.	AG	1390.	10.3	.0	56.0		
18. WB	Sec ap	2109.0	937.0	1863.0	925.0	246.	267.	AG	1435.	10.3	.0	56.0		
19. WB	Sec ap	1863.0	925.0	1647.0	933.0	216.	272.	AG	1435.	10.3	.0	56.0		
20. WB	Sec ap	1647.0	933.0	1496.0	952.0	152.	277.	AG	1435.	10.3	.0	56.0		
21. WB	Sec thru	1496.0	952.0	1098.0	1043.0	408.	283.	AG	375.	10.3	.0	44.0		
22. WB	Sec thru	1165.0	1028.0	1260.7	1006.2	98.	103.	AG	207.	100.0	.0	24.0	.35	5.0
23. WB	Sec left	1496.0	952.0	1348.0	958.0	148.	272.	AG	570.	10.3	.0	44.0		
24. WB	Sec left	1348.0	958.0	1096.0	1019.0	259.	284.	AG	570.	10.3	.0	44.0		
25. WB	Sec left	1172.0	1000.0	1344.6	959.3	177.	103.	AG	233.	100.0	.0	24.0	.79	9.0
26. WB	Sec right	1496.0	952.0	1392.0	991.0	111.	291.	AG	490.	10.3	.0	32.0		
27. WB	Sec right	1392.0	991.0	1214.0	1033.0	183.	283.	AG	490.	10.3	.0	32.0		
28. WB	Sec right	1214.0	1033.0	1153.0	1068.0	70.	300.	AG	490.	10.3	.0	32.0		
29. WB	Sec right	1153.0	1068.0	1100.0	1119.0	74.	314.	AG	490.	10.3	.0	32.0		
30. WB	Sec d1	1098.0	1043.0	922.0	1086.0	181.	284.	AG	410.	10.3	.0	56.0		
31. WB	Sec d2	922.0	1086.0	745.0	1132.0	183.	285.	AG	530.	10.3	.0	56.0		
32. WB	Sec d2	745.0	1132.0	568.0	1184.0	184.	286.	AG	530.	10.3	.0	44.0		
33. WB	Sec d2	568.0	1184.0	159.0	1294.0	424.	285.	AG	530.	10.3	.0	44.0		
34. NB	Rol ap	1435.0	51.0	1353.0	250.0	215.	338.	AG	1300.	10.6	.0	44.0		
35. NB	Rol ap	1353.0	250.0	1279.0	490.0	251.	343.	AG	1300.	10.6	.0	44.0		
36. NB	Rol ap	1279.0	490.0	1215.0	701.0	220.	343.	AG	1300.	10.6	.0	44.0		
37. NB	Rol thru	1215.0	701.0	1133.0	990.0	300.	344.	AG	855.	10.6	.0	44.0		
38. NB	Rol thru	1153.0	919.0	1212.5	710.2	217.	164.	AG	201.	100.0	.0	24.0	.73	11.0
39. NB	Rol left	1215.0	701.0	1174.0	783.0	92.	333.	AG	35.	10.6	.0	32.0		
40. NB	Rol left	1174.0	783.0	1111.0	999.0	225.	344.	AG	35.	10.6	.0	32.0		
41. NB	Rol left	1133.0	924.0	1139.8	900.5	24.	164.	AG	138.	100.0	.0	12.0	.32	1.2
42. NB	Rol right	1208.0	726.0	1194.0	865.0	140.	354.	AG	410.	10.6	.0	32.0		
43. NB	Rol right	1194.0	865.0	1226.0	908.0	54.	37.	AG	410.	10.6	.0	32.0		
44. NB	Rol right	1226.0	908.0	1288.0	919.0	63.	80.	AG	410.	10.6	.0	32.0		

JOB: Site 1 Security & Rolling Rd EX PM RUN: Site 1 Existing PM
DATE: 09/05/2012 TIME: 14:59:10.78

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. NB	Rol right	1288.0	919.0	1367.0	908.0	80.	98.	AG	410.	10.6	.0	32.0		
46. NB	Rol dep1	1133.0	990.0	1100.0	1119.0	133.	346.	AG	1060.	10.6	.0	44.0		
47. NB	Rol dep2	1100.0	1119.0	1038.0	1302.0	193.	341.	AG	1550.	10.6	.0	44.0		
48. NB	Rol dep2	1038.0	1302.0	960.0	1501.0	214.	339.	AG	1550.	10.6	.0	44.0		
49. NB	Rol dep2	960.0	1501.0	907.0	1687.0	193.	344.	AG	1550.	10.6	.0	44.0		
50. NB	Rol dep2	907.0	1687.0	877.0	1869.0	184.	351.	AG	1550.	10.6	.0	44.0		
51. NB	Rol dep2	877.0	1869.0	870.0	1967.0	98.	356.	AG	1550.	10.6	.0	44.0		
52. SB	Rol ap	842.0	1958.0	851.0	1852.0	106.	175.	AG	1120.	10.6	.0	44.0		
53. SB	Rol ap	851.0	1852.0	876.0	1698.0	156.	171.	AG	1120.	10.6	.0	44.0		
54. SB	Rol ap	876.0	1698.0	915.0	1552.0	151.	165.	AG	1120.	10.6	.0	44.0		
55. SB	Rol ap	915.0	1552.0	988.0	1331.0	233.	162.	AG	1120.	10.6	.0	44.0		
56. SB	Rol thru	988.0	1331.0	1084.0	1021.0	325.	163.	AG	675.	10.6	.0	44.0		
57. SB	Rol thru	1065.0	1084.0	1019.3	1231.9	155.	343.	AG	182.	100.0	.0	24.0	.48	7.9
58. SB	Rol left	988.0	1331.0	1038.0	1230.0	113.	154.	AG	325.	10.6	.0	44.0		
59. SB	Rol left	1038.0	1230.0	1106.0	1025.0	216.	162.	AG	325.	10.6	.0	44.0		
60. SB	Rol left	1088.0	1079.0	1054.2	1180.5	107.	342.	AG	255.	100.0	.0	24.0	.68	5.4
61. SB	Rol right	988.0	1331.0	1027.0	1165.0	171.	167.	AG	120.	10.6	.0	32.0		
62. SB	Rol right	1027.0	1165.0	1014.0	1119.0	48.	196.	AG	120.	10.6	.0	32.0		
63. SB	Rol right	1014.0	1119.0	973.0	1089.0	51.	234.	AG	120.	10.6	.0	32.0		
64. SB	Rol right	980.0	1095.0	1025.2	1126.5	55.	55.	AG	91.	100.0	.0	12.0	.19	2.8
65. SB	Rol right	973.0	1089.0	922.0	1086.0	51.	267.	AG	120.	10.6	.0	32.0		

66. SB	Rol dep1	*	1084.0	1021.0	1119.0	882.0	*	143.	166. AG	1245.	10.6	.0	44.0
67. SB	Rol dep2	*	1123.0	878.0	1195.0	618.0	*	270.	165. AG	1370.	10.6	.0	44.0
68. SB	Rol dep2	*	1195.0	618.0	1278.0	344.0	*	286.	163. AG	1370.	10.6	.0	44.0
69. SB	Rol dep2	*	1278.0	344.0	1338.0	172.0	*	182.	161. AG	1370.	10.6	.0	44.0
70. SB	Rol dep2	*	1338.0	172.0	1396.0	37.0	*	147.	157. AG	1370.	10.6	.0	44.0

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JOB: Site 1 Security & Rolling Rd EX PM RUN: Site 1 Existing PM
DATE: 09/05/2012 TIME: 14:59:10.78

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB	Sec thru	*	140	101	2.0	655	1770	56.40	1	3
7. EB	Sec left	*	140	112	2.0	205	1770	56.40	1	3
11. EB	Sec right	*	140	101	2.0	125	1583	56.40	1	3
22. WB	Sec thru	*	140	96	2.0	375	1873	56.40	1	3
25. WB	Sec left	*	140	108	2.0	570	1817	56.40	1	3
38. NB	Rol thru	*	140	93	2.0	855	1910	56.40	1	3
41. NB	Rol left	*	140	128	2.0	35	1909	56.40	1	3
57. SB	Rol thru	*	140	84	2.0	675	1910	56.40	1	3
60. SB	Rol left	*	140	118	2.0	325	1852	56.40	1	3
64. SB	Rol right	*	140	84	2.0	120	1708	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1299.0	511.0	5.0	*
2. SE 164 S	*	1248.0	695.0	5.0	*
3. SE 82 S	*	1226.0	773.0	5.0	*
4. SE CNR	*	1221.0	872.0	5.0	*
5. SE 82 E	*	1320.0	889.0	5.0	*
6. SE 164 E	*	1401.0	871.0	5.0	*
7. SE MID E	*	1598.0	845.0	5.0	*
8. NE MID E	*	1533.0	984.0	5.0	*
9. NE 164 E	*	1327.0	1024.0	5.0	*
10. NE 82 E	*	1245.0	1044.0	5.0	*
11. NE CNR	*	1168.0	1085.0	5.0	*
12. NE 82 N	*	1108.0	1174.0	5.0	*
13. NE 164 N	*	1082.0	1252.0	5.0	*
14. NE MID N	*	1001.0	1456.0	5.0	*
15. NW MID N	*	932.0	1430.0	5.0	*
16. NW 164 N	*	974.0	1289.0	5.0	*
17. NW 82 N	*	1000.0	1211.0	5.0	*
18. NW CNR	*	986.0	1122.0	5.0	*
19. NW 82 W	*	899.0	1115.0	5.0	*
20. NW 164 W	*	820.0	1138.0	5.0	*
21. NW MID W	*	610.0	1193.0	5.0	*
22. SW MID W	*	658.0	1066.0	5.0	*
23. SW 164 W	*	891.0	1003.0	5.0	*
24. SW 82 W	*	971.0	980.0	5.0	*
25. SW CNR	*	1084.0	889.0	5.0	*
26. SW 82 S	*	1120.0	798.0	5.0	*
27. SW 164 S	*	1141.0	719.0	5.0	*
28. SW MID S	*	1214.0	475.0	5.0	*

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JOB: Site 1 Security & Rolling Rd EX PM RUN: Site 1 Existing PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.2	.4	.4	.7	1.0	.6	.6	.0	.0	.0	.0	.1	.2	.2	1.1	.8	.9	.5	.2	.0
5.	.1	.2	.3	.7	1.0	.7	.6	.0	.0	.0	.0	.1	.1	.2	1.1	.8	.9	.5	.3	.0
10.	.1	.2	.3	.8	.9	.7	.6	.0	.0	.0	.0	.1	.0	.1	1.0	.9	1.0	.5	.2	.1
15.	.0	.2	.2	.8	.9	.7	.7	.0	.0	.0	.0	.1	.0	.1	1.0	.8	.9	.5	.2	.2
20.	.1	.2	.2	.8	.8	.7	.7	.0	.0	.0	.0	.0	.0	.1	.9	.8	1.0	.6	.2	.3
25.	.1	.0	.2	.8	.7	.7	.6	.0	.0	.0	.0	.0	.0	.1	.9	.8	.9	.6	.2	.2
30.	.1	.1	.2	.7	.7	.6	.6	.0	.0	.0	.0	.0	.0	.1	.8	.7	1.0	.5	.3	.2
35.	.0	.1	.2	.7	.7	.5	.6	.0	.0	.0	.0	.0	.0	.0	.8	.7	1.1	.7	.3	.2
40.	.0	.1	.3	.7	.7	.7	.8	.0	.0	.0	.0	.0	.0	.0	.8	.7	.8	.7	.4	.1
45.	.0	.1	.2	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.7	.6	.9	.8	.3	.1
50.	.0	.1	.1	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.7	.6	.9	.9	.3	.1
55.	.0	.1	.1	.4	.7	.6	.7	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.0	.9	.3	.2
60.	.0	.1	.2	.5	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.8	.6	.9	.9	.4	.2
65.	.0	.2	.2	.4	.7	.8	.9	.0	.0	.0	.0	.0	.0	.0	.8	.6	.9	1.1	.4	.3
70.	.0	.1	.2	.3	.8	.9	.9	.0	.0	.0	.0	.0	.0	.0	.8	.6	1.1	1.1	.4	.3
75.	.0	.0	.2	.3	.9	.8	.9	.0	.0	.0	.0	.0	.0	.0	.8	.6	1.1	1.1	.4	.4
80.	.0	.0	.2	.4	1.0	.8	.8	.1	.0	.0	.0	.0	.0	.0	.8	.6	1.1	1.1	.5	.4

85. *	.0	.0	.0	.5	.9	.9	.7	.2	.0	.1	.0	.0	.0	.0	.8	.6	1.1	1.2	.7	.5
90. *	.0	.0	.0	.2	.8	.8	.6	.3	.1	.1	.0	.0	.0	.0	.8	.6	1.1	1.2	.7	.5
95. *	.0	.0	.0	.2	.7	.7	.4	.5	.3	.1	.0	.0	.0	.0	.8	.7	1.1	1.1	.8	.5
100. *	.0	.0	.0	.1	.5	.4	.3	.6	.5	.5	.0	.0	.0	.0	.8	.6	1.2	1.2	.8	.4
105. *	.0	.0	.0	.1	.3	.3	.3	.8	.6	.6	.1	.0	.0	.1	.8	.6	1.2	1.1	.8	.7
110. *	.0	.0	.0	.0	.2	.3	.1	.8	.9	.8	.4	.0	.0	.1	.8	.6	1.4	1.3	.8	.5
115. *	.0	.0	.0	.0	.1	.1	.1	.8	.8	.8	.5	.0	.0	.1	.9	.7	1.5	1.3	.9	.7
120. *	.0	.0	.0	.0	.1	.1	.1	.7	.8	.6	.6	.0	.0	.1	.9	.8	1.8	1.2	.8	.7
125. *	.0	.0	.0	.0	.0	.1	.0	.9	.9	.8	1.0	.2	.0	.1	1.0	.9	1.9	1.2	1.1	.8
130. *	.0	.0	.0	.0	.0	.0	.0	.8	.6	.9	1.0	.3	.2	.1	.9	1.0	2.1	1.3	.9	.7
135. *	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.0	1.2	.3	.2	.1	.9	1.1	2.1	1.0	1.1	.8
140. *	.1	.0	.0	.0	.0	.0	.0	.7	.6	1.0	1.1	.5	.3	.2	1.0	1.2	2.0	1.2	1.1	.7
145. *	.1	.1	.0	.0	.0	.0	.0	.7	.7	1.1	1.1	.6	.4	.4	1.1	1.4	1.8	1.1	.9	.6
150. *	.2	.1	.1	.0	.0	.0	.0	.8	.6	1.1	1.1	.6	.5	.5	1.1	1.4	1.8	1.0	.9	.4
155. *	.4	.3	.2	.0	.0	.0	.0	.6	.7	1.1	1.1	1.0	.7	.6	.9	1.2	1.5	1.0	.9	.4
160. *	.6	.5	.5	.1	.0	.0	.0	.6	.9	1.2	1.3	1.2	1.1	1.0	.9	1.1	1.4	1.0	.7	.4
165. *	.6	.5	.6	.4	.0	.0	.0	.6	.8	1.2	1.3	1.4	1.1	1.2	.8	.7	1.0	.9	.7	.3
170. *	.9	.7	.7	.5	.0	.0	.0	.7	.8	1.3	1.4	1.4	1.5	1.2	.5	.5	1.0	.7	.6	.3
175. *	.9	.9	1.0	.8	.0	.0	.0	.6	.8	1.6	1.4	1.1	1.6	1.3	.4	.3	.6	.7	.6	.3
180. *	.8	.8	1.2	.7	.3	.0	.0	.6	.8	1.8	1.3	1.4	1.5	1.3	.2	.3	.6	.7	.5	.3
185. *	.9	.8	1.0	.9	.2	.0	.0	.6	1.0	1.8	1.3	1.4	1.6	1.3	.2	.1	.5	.7	.5	.3
190. *	.9	.7	1.1	1.0	.2	.1	.0	.6	1.0	1.8	1.1	1.4	1.4	1.1	.1	.1	.3	.6	.5	.3
195. *	.8	.7	1.2	1.0	.2	.2	.0	.6	1.3	1.8	1.0	1.6	1.4	1.0	.1	.1	.3	.6	.5	.3
200. *	.8	.8	1.2	.9	.3	.2	.0	.6	1.1	1.8	1.0	1.6	1.4	.9	.1	.1	.2	.6	.4	.3
205. *	.9	.8	1.2	.9	.4	.2	.0	.6	1.2	1.8	.9	1.5	1.4	.9	.0	.1	.2	.6	.4	.3

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JOB: Site 1 Security & Rolling Rd EX PM RUN: Site 1 Existing PM

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.8	.8	1.3	.9	.4	.2	.0	.6	1.2	1.7	1.0	1.8	1.3	.9	.0	.0	.2	.6	.4	.3
215. *	.8	.6	1.1	.9	.3	.2	.0	.5	1.2	1.7	.9	1.7	1.3	.9	.0	.0	.2	.5	.3	.3
220. *	.8	.7	1.2	1.0	.3	.2	.1	.6	1.2	1.7	.9	1.8	1.2	.9	.0	.0	.2	.4	.3	.3
225. *	.8	.7	1.2	1.0	.3	.3	.1	.6	1.2	1.6	.9	1.7	1.1	.8	.0	.0	.1	.4	.3	.3
230. *	.8	.6	1.2	1.0	.4	.2	.1	.9	1.2	1.5	.8	1.7	.9	.8	.0	.0	.2	.3	.3	.3
235. *	.7	.6	1.2	.9	.4	.3	.1	.9	1.3	1.4	.8	1.7	.9	.8	.0	.0	.2	.3	.3	.3
240. *	.8	.6	1.2	.9	.4	.3	.0	.9	1.3	1.5	.9	1.7	.8	.9	.0	.0	.2	.4	.3	.3
245. *	.8	.6	1.2	.9	.4	.3	.0	.9	1.3	1.6	.9	1.6	.8	.9	.0	.0	.2	.4	.3	.3
250. *	.7	.7	1.2	.9	.4	.3	.1	.9	1.2	1.4	1.1	1.6	.7	.9	.0	.0	.0	.2	.3	.3
255. *	.7	.7	1.2	.9	.4	.3	.2	.8	1.3	1.3	1.2	1.5	.8	.9	.0	.0	.0	.2	.3	.4
260. *	.7	.7	1.2	.9	.4	.3	.3	.7	1.4	1.2	1.2	1.4	.8	.8	.0	.0	.0	.2	.3	.5
265. *	.7	.7	1.2	.7	.3	.3	.3	.7	1.4	1.0	1.2	1.3	.8	.8	.0	.0	.0	.2	.4	.5
270. *	.7	.8	1.2	.8	.5	.5	.4	.8	1.2	.8	1.2	1.3	.7	.8	.0	.0	.0	.2	.4	.5
275. *	.7	.8	1.2	.8	.5	.4	.6	.7	1.0	.9	1.2	1.3	.7	.8	.0	.0	.0	.1	.4	.4
280. *	.7	.7	1.2	.8	.7	.7	.6	.4	1.0	1.0	1.2	1.2	.7	.8	.0	.0	.0	.1	.3	.3
285. *	.8	.9	1.2	1.0	.8	1.1	.7	.2	.7	.6	1.2	1.2	.7	.9	.0	.0	.0	.0	.2	.2
290. *	.8	.9	1.1	.9	.9	1.1	.8	.0	.7	.6	1.2	1.1	.7	.9	.0	.0	.0	.0	.2	.2
295. *	.8	.9	1.2	1.0	1.1	1.2	.8	.0	.6	.6	1.1	1.1	.8	1.0	.0	.0	.0	.0	.1	.2
300. *	.7	.9	1.3	1.0	1.3	1.0	.9	.0	.5	.6	1.1	1.1	1.0	1.0	.0	.0	.0	.0	.1	.1
305. *	.8	1.1	1.6	1.1	1.2	1.1	1.0	.0	.3	.5	1.1	.9	1.0	1.0	.1	.0	.0	.0	.1	.1
310. *	.9	1.3	1.6	1.1	1.4	1.3	.6	.0	.1	.4	1.0	1.0	1.0	1.1	.1	.0	.0	.0	.1	.0
315. *	.9	1.3	1.6	1.0	1.4	1.3	.7	.0	.2	.5	.9	1.1	1.0	1.1	.1	.0	.0	.0	.1	.0
320. *	1.0	1.4	1.5	1.2	1.4	1.2	.7	.0	.2	.2	.8	1.1	1.0	1.1	.1	.0	.0	.0	.0	.0
325. *	1.1	1.3	1.4	1.1	1.2	.9	.7	.0	.1	.2	.8	1.0	1.0	1.0	.1	.1	.1	.0	.0	.0
330. *	1.1	1.2	1.2	1.3	1.1	1.1	.7	.0	.0	.2	.4	1.1	1.0	1.1	.3	.1	.2	.0	.0	.0
335. *	.8	1.1	1.4	1.2	1.0	.9	.6	.0	.0	.1	.4	.9	.8	1.2	.5	.3	.3	.0	.0	.0
340. *	.8	1.1	1.3	.9	1.1	.7	.7	.0	.0	.0	.2	.9	.8	.9	.6	.5	.5	.1	.0	.0
345. *	.7	.8	.9	.9	1.1	.6	.7	.0	.0	.0	.2	.7	.6	.8	.9	.7	.6	.2	.0	.0
350. *	.7	.8	.6	.7	1.0	.6	.6	.0	.0	.0	.1	.4	.4	.5	.9	.9	.9	.4	.0	.0
355. *	.4	.5	.6	.7	1.0	.6	.6	.0	.0	.0	.0	.3	.2	.5	1.0	.7	1.0	.4	.0	.0
360. *	.2	.4	.4	.7	1.0	.6	.6	.0	.0	.0	.0	.1	.2	.2	1.1	.8	.9	.5	.2	.0
MAX *	1.1	1.4	1.6	1.3	1.4	1.3	1.0	.9	1.4	1.8	1.4	1.8	1.6	1.3	1.1	1.4	2.1	1.3	1.1	.8
DEGR. *	325	320	305	330	310	310	305	230	260	180	170	210	175	175	0	145	130	130	125	125

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JOB: Site 1 Security & Rolling Rd EX PM RUN: Site 1 Existing PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.3	.7	1.3	1.0	1.1	1.0	1.1
5. *	.0	.3	.9	1.4	1.0	1.1	1.3	1.2
10. *	.0	.3	1.0	1.5	.9	1.2	1.4	1.0
15. *	.0	.3	.9	1.5	1.0	1.3	1.4	.9
20. *	.0	.3	.8	1.4	.9	1.3	1.4	.9
25. *	.0	.3	1.1	1.4	.9	1.3	1.4	.9
30. *	.0	.3	1.0	1.5	1.0	1.3	1.3	.8
35. *	.0	.3	1.3	1.5	1.0	1.3	1.3	.8
40. *	.0	.3	1.3	1.5	.9	1.2	1.3	.8

45.	*	.0	.4	1.3	1.5	.9	1.2	1.3	.7
50.	*	.0	.4	1.3	1.4	1.1	1.2	1.2	.7
55.	*	.1	.3	1.3	1.2	1.3	1.1	1.1	.7
60.	*	.1	.3	1.6	1.1	1.4	1.4	1.2	.7
65.	*	.1	.4	1.6	1.2	1.4	1.3	1.2	.8
70.	*	.1	.4	1.5	1.2	1.4	1.2	1.2	.8
75.	*	.0	.5	1.4	1.3	1.1	1.2	1.0	.7
80.	*	.0	.5	1.1	1.3	1.1	1.2	.9	.7
85.	*	.2	.5	1.3	1.3	1.2	1.2	.8	.8
90.	*	.2	.4	1.3	1.2	1.0	1.1	.8	.8
95.	*	.1	.3	1.1	1.0	1.0	1.1	.8	.7
100.	*	.2	.3	.9	1.1	1.0	1.1	.8	.7
105.	*	.5	.3	.9	.9	.9	1.1	.8	.7
110.	*	.5	.2	.7	.7	.9	1.1	.9	.8
115.	*	.5	.2	.6	.6	.9	1.1	.8	.8
120.	*	.5	.0	.4	.5	.9	1.1	.7	.9
125.	*	.5	.0	.3	.5	.9	1.0	.7	.9
130.	*	.4	.0	.2	.5	1.0	1.0	1.0	.9
135.	*	.4	.0	.2	.3	1.0	1.0	1.0	1.0
140.	*	.3	.0	.1	.4	.8	1.0	1.0	1.0
145.	*	.3	.0	.1	.4	1.0	1.2	1.0	1.0
150.	*	.3	.0	.0	.2	.8	1.1	1.0	1.0
155.	*	.3	.0	.0	.2	.8	.9	.9	.9
160.	*	.3	.0	.0	.1	.6	.8	.8	.8
165.	*	.3	.0	.0	.0	.5	.7	.7	.6
170.	*	.3	.0	.0	.0	.3	.5	.5	.4
175.	*	.3	.0	.0	.0	.1	.4	.3	.3
180.	*	.4	.0	.0	.0	.1	.2	.2	.2
185.	*	.4	.0	.0	.0	.0	.1	.1	.1
190.	*	.3	.0	.0	.0	.0	.1	.1	.1
195.	*	.3	.0	.0	.0	.0	.1	.1	.1
200.	*	.3	.0	.0	.0	.0	.1	.0	.1
205.	*	.4	.0	.0	.0	.0	.0	.0	.0

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JOB: Site 1 Security & Rolling Rd EX PM RUN: Site 1 Existing PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.4	.0	.0	.0	.0	.0	.0	.0
215.	*	.4	.0	.0	.0	.0	.0	.0	.0
220.	*	.4	.0	.0	.0	.0	.0	.0	.0
225.	*	.4	.0	.0	.0	.0	.0	.0	.0
230.	*	.4	.0	.0	.0	.0	.0	.0	.0
235.	*	.4	.0	.0	.0	.0	.0	.0	.0
240.	*	.4	.0	.0	.0	.0	.0	.0	.0
245.	*	.5	.0	.0	.0	.0	.0	.0	.0
250.	*	.5	.0	.0	.0	.0	.0	.0	.0
255.	*	.5	.0	.0	.0	.0	.0	.0	.0
260.	*	.5	.0	.0	.0	.0	.0	.0	.0
265.	*	.5	.0	.0	.0	.0	.0	.0	.0
270.	*	.5	.1	.0	.0	.0	.0	.0	.0
275.	*	.4	.1	.1	.1	.0	.0	.0	.0
280.	*	.4	.2	.1	.2	.0	.0	.0	.0
285.	*	.3	.3	.1	.3	.0	.0	.0	.0
290.	*	.2	.4	.3	.5	.1	.0	.0	.0
295.	*	.2	.5	.3	.5	.2	.0	.0	.0
300.	*	.2	.4	.3	.6	.2	.0	.0	.0
305.	*	.0	.4	.4	.9	.3	.1	.0	.1
310.	*	.0	.4	.4	.8	.4	.2	.0	.1
315.	*	.0	.4	.5	.9	.5	.3	.2	.1
320.	*	.0	.4	.5	1.0	.5	.3	.3	.1
325.	*	.0	.4	.5	1.0	.5	.3	.3	.1
330.	*	.0	.4	.6	1.0	.5	.4	.4	.3
335.	*	.0	.3	.6	.8	.8	.5	.5	.4
340.	*	.0	.3	.5	.8	.9	.7	.5	.6
345.	*	.0	.3	.6	.9	1.0	1.1	.7	1.0
350.	*	.0	.3	.6	1.0	1.0	1.2	1.0	1.0
355.	*	.0	.3	.7	1.1	1.1	1.2	1.0	1.1
360.	*	.0	.3	.7	1.3	1.0	1.1	1.0	1.1
MAX	*	.5	.5	1.6	1.5	1.4	1.4	1.4	1.2
DEGR.	*	105	75	60	10	60	60	10	5

THE HIGHEST CONCENTRATION IS 2.10 PPM AT 130 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS 1.80 PPM AT 180 DEGREES FROM REC10.
THE 3RD HIGHEST CONCENTRATION IS 1.80 PPM AT 210 DEGREES FROM REC12.

```
Site 1 Security & Rolling Rd NBAM21     60.0321.0.0000.000280.30480000    1    1
SE MID S                 1299.      511.       5.0
SE 164 S                 1248.      695.       5.0
SE 82 S                  1226.      773.       5.0
SE CNR                   1221.      872.       5.0
SE 82 E                  1320.      889.       5.0
SE 164 E                 1401.      871.       5.0
SE MID E                 1598.      845.       5.0
NE MID E                 1533.      984.       5.0
NE 164 E                 1327.     1024.       5.0
NE 82 E                  1245.     1044.       5.0
NE CNR                   1168.     1085.       5.0
NE 82 N                  1108.     1174.       5.0
NE 164 N                 1082.     1252.       5.0
NE MID N                 1001.     1456.       5.0
NW MID N                  932.     1430.       5.0
NW 164 N                  974.     1289.       5.0
NW 82 N                  1000.     1211.       5.0
NW CNR                    986.     1122.       5.0
NW 82 W                   899.     1115.       5.0
NW 164 W                  820.     1138.       5.0
NW MID W                  610.     1193.       5.0
SW MID W                  658.     1066.       5.0
SW 164 W                  891.     1003.       5.0
SW 82 W                   971.      980.       5.0
SW CNR                   1084.      889.       5.0
SW 82 S                  1120.      798.       5.0
SW 164 S                 1141.      719.       5.0
SW MID S                 1214.      475.       5.0
Site 1 No Build AM 2021                  70  1   0
  1
EB        Sec ap    AG   139.  1226.   392.  1160.    590. 8.3   0  44   40.
  1
EB        Sec ap    AG   392.  1160.   603.  1116.    590. 8.3   0  44   40.
  1
EB        Sec thru  AG   603.  1116.  1120.   976.    425. 8.3   0  44   40.
  2
EB        Sec thru  AG  1054.   994.   814.  1059.      0.  24   2
       140       103       2.0  425   43.6 1910 1 3
  1
EB        Sec left  AG   603.  1116.   738.  1096.    115. 8.3   0  32   40.
  1
EB        Sec left  AG   738.  1096.  1122.   994.    115. 8.3   0  32   40.
  2
EB        Sec left  AG  1051.  1013.   827.  1072.      0.  12   1
       140       124       2.0  115   43.6 1909 1 3
  1
EB        Sec right AG   603.  1116.   722.  1067.     50. 8.3   0  32   40.
  1
EB        Sec right AG   722.  1067.   986.   995.     50. 8.3   0  32   40.
  1
EB        Sec right AG   986.   995.  1070.   942.     50. 8.3   0  32   40.
  2
EB        Sec right AG  1062.   947.   993.   990.      0.  12   1
       140       103       2.0   50   43.6 1708 1 3
  1
EB        Sec right AG  1070.   942.  1123.   878.     50. 8.3   0  32   40.
  1
EB        Sec dep1  AG  1120.   976.  1367.   908.    980. 8.3   0  44   40.
  1
EB        Sec dep2  AG  1367.   908.  1569.   880.   1350. 8.3   0  56   40.
  1
EB        Sec dep2  AG  1569.   880.  1751.   864.   1350. 8.3   0  56   40.
  1
EB        Sec dep2  AG  1751.   864.  1949.   867.   1350. 8.3   0  56   40.
  1
EB        Sec dep2  AG  1949.   867.  2104.   870.   1350. 8.3   0  56   40.
  1
WB        Sec ap    AG  2109.   937.  1863.   925.   1515. 8.3   0  56   40.
  1
WB        Sec ap    AG  1863.   925.  1647.   933.   1515. 8.3   0  56   40.
  1
WB        Sec ap    AG  1647.   933.  1496.   952.   1515. 8.3   0  56   40.
  1
WB        Sec thru  AG  1496.   952.  1098.  1043.    640. 8.3   0  44   40.
  2
WB        Sec thru  AG  1165.  1028.  1424.   969.      0.  24   2
       140        94       2.0  640   43.6 1873 1 3
  1
WB        Sec left  AG  1496.   952.  1348.   958.    485. 8.3   0  44   40.
  1
```

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WB        Sec left  AG  1348.   958.  1096.  1019.    485. 8.3   0  44   40.
  2
WB        Sec left  AG  1172.  1000.  1333.   962.      0.  24   2
       140       115       2.0  485   43.6 1817 1 3
  1
WB        Sec right AG  1496.   952.  1392.   991.    390. 8.3   0  32   40.
  1
WB        Sec right AG  1392.   991.  1214.  1033.    390. 8.3   0  32   40.
  1
WB        Sec right AG  1214.  1033.  1153.  1068.    390. 8.3   0  32   40.
  1
WB        Sec right AG  1153.  1068.  1100.  1119.    390. 8.3   0  32   40.
  1
WB        Sec d1    AG  1098.  1043.   922.  1086.    720. 8.3   0  56   40.
  1
WB        Sec d2    AG   922.  1086.   745.  1132.    855. 8.3   0  56   40.
  1
WB        Sec d2    AG   745.  1132.   568.  1184.    855. 8.3   0  44   40.
  1
WB        Sec d2    AG   568.  1184.   159.  1294.    855. 8.3   0  44   40.
  1
NB        Rol ap    AG  1435.    51.  1353.   250.   1205. 8.5   0  44   45.
  1
NB        Rol ap    AG  1353.   250.  1279.   490.   1205. 8.5   0  44   45.
  1
NB        Rol ap    AG  1279.   490.  1215.   701.   1205. 8.5   0  44   45.
  1
NB        Rol thru  AG  1215.   701.  1133.   990.    755. 8.5   0  44   45.
  2
NB        Rol thru  AG  1153.   919.  1208.   726.      0.  24   2
       140       102       2.0  755   43.6 1910 1 3
  1
NB        Rol left  AG  1215.   701.  1174.   783.     80. 8.5   0  32   45.
  1
NB        Rol left  AG  1174.   783.  1111.   999.     80. 8.5   0  32   45.
  2
NB        Rol left  AG  1133.   924.  1171.   792.      0.  12   1
       140       127       2.0   80   43.6 1909 1 3
  1
NB        Rol right AG  1208.   726.  1194.   865.    370. 8.5   0  32   45.
  1
NB        Rol right AG  1194.   865.  1226.   908.    370. 8.5   0  32   45.
  1
NB        Rol right AG  1226.   908.  1288.   919.    370. 8.5   0  32   45.
  1
NB        Rol right AG  1288.   919.  1367.   908.    370. 8.5   0  32   45.
  1
NB        Rol dep1  AG  1133.   990.  1100.  1119.    870. 8.5   0  44   45.
  1
NB        Rol dep2  AG  1100.  1119.  1038.  1302.   1260. 8.5   0  44   45.
  1
NB        Rol dep2  AG  1038.  1302.   960.  1501.   1260. 8.5   0  44   45.
  1
NB        Rol dep2  AG   960.  1501.   907.  1687.   1260. 8.5   0  44   45.
  1
NB        Rol dep2  AG   907.  1687.   877.  1869.   1260. 8.5   0  44   45.
  1
NB        Rol dep2  AG   877.  1869.   870.  1967.   1260. 8.5   0  44   45.
  1
SB        Rol ap    AG   842.  1958.   851.  1852.   1610. 8.5   0  44   45.
  1
SB        Rol ap    AG   851.  1852.   876.  1698.   1610. 8.5   0  44   45.
  1
SB        Rol ap    AG   876.  1698.   915.  1552.   1610. 8.5   0  44   45.
  1
SB        Rol ap    AG   915.  1552.   988.  1331.   1610. 8.5   0  44   45.
  1
SB        Rol thru  AG   988.  1331.  1084.  1021.    920. 8.5   0  44   45.
  2
SB        Rol thru  AG  1065.  1084.  1002.  1288.      0.  24   2
       140        87       2.0  920   43.6 1910 1 3
  1
SB        Rol left  AG   988.  1331.  1038.  1230.    555. 8.5   0  44   45.
  1
SB        Rol left  AG  1038.  1230.  1106.  1025.    555. 8.5   0  44   45.
  2
SB        Rol left  AG  1088.  1079.  1040.  1223.      0.  24   2
       140       112       2.0  555   43.6 1852 1 3
  1
SB        Rol right AG   988.  1331.  1027.  1165.    135. 8.5   0  32   45.
  1
```

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SB        Rol right AG  1027.  1165.  1014.  1119.    135. 8.5   0  32   45.
  1
SB        Rol right AG  1014.  1119.   973.  1089.    135. 8.5   0  32   45.
  2
SB        Rol right AG   980.  1095.  1013.  1118.      0.  12   1
       140        87       2.0  135   43.6 1708 1 3
  1
SB        Rol right AG   973.  1089.   922.  1086.    135. 8.5   0  32   45.
  1
SB        Rol dep1  AG  1084.  1021.  1119.   882.   1405. 8.5   0  44   45.
  1
SB        Rol dep2  AG  1123.   878.  1195.   618.   1455. 8.5   0  44   45.
  1
SB        Rol dep2  AG  1195.   618.  1278.   344.   1455. 8.5   0  44   45.
  1
SB        Rol dep2  AG  1278.   344.  1338.   172.   1455. 8.5   0  44   45.
  1
SB        Rol dep2  AG  1338.   172.  1396.    37.   1455. 8.5   0  44   45.
1.0   04  1000   0Y  5  0 72
```

JOB: Site 1 Security & Rolling Rd NBAM21 RUN: Site 1 No Build AM 2021
DATE: 09/05/2012 TIME: 14:59:54.01

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Sec ap	139.0	1226.0	392.0	1160.0	261.	105.	AG	590.	8.3	.0	44.0		
2. EB	Sec ap	392.0	1160.0	603.0	1116.0	216.	102.	AG	590.	8.3	.0	44.0		
3. EB	Sec thru	603.0	1116.0	1120.0	976.0	536.	105.	AG	425.	8.3	.0	44.0		
4. EB	Sec thru	1054.0	994.0	938.8	1025.2	119.	285.	AG	172.	100.0	.0	24.0	.47	6.1
5. EB	Sec left	603.0	1116.0	738.0	1096.0	136.	98.	AG	115.	8.3	.0	32.0		
6. EB	Sec left	738.0	1096.0	1122.0	994.0	397.	105.	AG	115.	8.3	.0	32.0		
7. EB	Sec left	1051.0	1013.0	970.6	1034.2	83.	285.	AG	104.	100.0	.0	12.0	.71	4.2
8. EB	Sec right	603.0	1116.0	722.0	1067.0	129.	112.	AG	50.	8.3	.0	32.0		
9. EB	Sec right	722.0	1067.0	986.0	995.0	274.	105.	AG	50.	8.3	.0	32.0		
10. EB	Sec right	986.0	995.0	1070.0	942.0	99.	122.	AG	50.	8.3	.0	32.0		
11. EB	Sec right	1062.0	947.0	1038.1	961.9	28.	302.	AG	86.	100.0	.0	12.0	.12	1.4
12. EB	Sec right	1070.0	942.0	1123.0	878.0	83.	140.	AG	50.	8.3	.0	32.0		
13. EB	Sec dep1	1120.0	976.0	1367.0	908.0	256.	105.	AG	980.	8.3	.0	44.0		
14. EB	Sec dep2	1367.0	908.0	1569.0	880.0	204.	98.	AG	1350.	8.3	.0	56.0		
15. EB	Sec dep2	1569.0	880.0	1751.0	864.0	183.	95.	AG	1350.	8.3	.0	56.0		
16. EB	Sec dep2	1751.0	864.0	1949.0	867.0	198.	89.	AG	1350.	8.3	.0	56.0		
17. EB	Sec dep2	1949.0	867.0	2104.0	870.0	155.	89.	AG	1350.	8.3	.0	56.0		
18. WB	Sec ap	2109.0	937.0	1863.0	925.0	246.	267.	AG	1515.	8.3	.0	56.0		
19. WB	Sec ap	1863.0	925.0	1647.0	933.0	216.	272.	AG	1515.	8.3	.0	56.0		
20. WB	Sec ap	1647.0	933.0	1496.0	952.0	152.	277.	AG	1515.	8.3	.0	56.0		
21. WB	Sec thru	1496.0	952.0	1098.0	1043.0	408.	283.	AG	640.	8.3	.0	44.0		
22. WB	Sec thru	1165.0	1028.0	1325.4	991.5	164.	103.	AG	157.	100.0	.0	24.0	.57	8.4
23. WB	Sec left	1496.0	952.0	1348.0	958.0	148.	272.	AG	485.	8.3	.0	44.0		
24. WB	Sec left	1348.0	958.0	1096.0	1019.0	259.	284.	AG	485.	8.3	.0	44.0		
25. WB	Sec left	1172.0	1000.0	1350.4	957.9	183.	103.	AG	192.	100.0	.0	24.0	.89	9.3
26. WB	Sec right	1496.0	952.0	1392.0	991.0	111.	291.	AG	390.	8.3	.0	32.0		
27. WB	Sec right	1392.0	991.0	1214.0	1033.0	183.	283.	AG	390.	8.3	.0	32.0		
28. WB	Sec right	1214.0	1033.0	1153.0	1068.0	70.	300.	AG	390.	8.3	.0	32.0		
29. WB	Sec right	1153.0	1068.0	1100.0	1119.0	74.	314.	AG	390.	8.3	.0	32.0		
30. WB	Sec d1	1098.0	1043.0	922.0	1086.0	181.	284.	AG	720.	8.3	.0	56.0		
31. WB	Sec d2	922.0	1086.0	745.0	1132.0	183.	285.	AG	855.	8.3	.0	56.0		
32. WB	Sec d2	745.0	1132.0	568.0	1184.0	184.	286.	AG	855.	8.3	.0	44.0		
33. WB	Sec d2	568.0	1184.0	159.0	1294.0	424.	285.	AG	855.	8.3	.0	44.0		
34. NB	Rol ap	1435.0	51.0	1353.0	250.0	215.	338.	AG	1205.	8.5	.0	44.0		
35. NB	Rol ap	1353.0	250.0	1279.0	490.0	251.	343.	AG	1205.	8.5	.0	44.0		
36. NB	Rol ap	1279.0	490.0	1215.0	701.0	220.	343.	AG	1205.	8.5	.0	44.0		
37. NB	Rol thru	1215.0	701.0	1133.0	990.0	300.	344.	AG	755.	8.5	.0	44.0		
38. NB	Rol thru	1153.0	919.0	1213.9	705.4	222.	164.	AG	170.	100.0	.0	24.0	.81	11.3
39. NB	Rol left	1215.0	701.0	1174.0	783.0	92.	333.	AG	80.	8.5	.0	32.0		
40. NB	Rol left	1174.0	783.0	1111.0	999.0	225.	344.	AG	80.	8.5	.0	32.0		
41. NB	Rol left	1133.0	924.0	1149.3	867.4	59.	164.	AG	106.	100.0	.0	12.0	.66	3.0
42. NB	Rol right	1208.0	726.0	1194.0	865.0	140.	354.	AG	370.	8.5	.0	32.0		
43. NB	Rol right	1194.0	865.0	1226.0	908.0	54.	37.	AG	370.	8.5	.0	32.0		
44. NB	Rol right	1226.0	908.0	1288.0	919.0	63.	80.	AG	370.	8.5	.0	32.0		

JOB: Site 1 Security & Rolling Rd NBAM21 RUN: Site 1 No Build AM 2021
DATE: 09/05/2012 TIME: 14:59:54.01

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. NB	Rol right	1288.0	919.0	1367.0	908.0	80.	98.	AG	370.	8.5	.0	32.0		
46. NB	Rol dep1	1133.0	990.0	1100.0	1119.0	133.	346.	AG	870.	8.5	.0	44.0		
47. NB	Rol dep2	1100.0	1119.0	1038.0	1302.0	193.	341.	AG	1260.	8.5	.0	44.0		
48. NB	Rol dep2	1038.0	1302.0	960.0	1501.0	214.	339.	AG	1260.	8.5	.0	44.0		
49. NB	Rol dep2	960.0	1501.0	907.0	1687.0	193.	344.	AG	1260.	8.5	.0	44.0		
50. NB	Rol dep2	907.0	1687.0	877.0	1869.0	184.	351.	AG	1260.	8.5	.0	44.0		
51. NB	Rol dep2	877.0	1869.0	870.0	1967.0	98.	356.	AG	1260.	8.5	.0	44.0		
52. SB	Rol ap	842.0	1958.0	851.0	1852.0	106.	175.	AG	1610.	8.5	.0	44.0		
53. SB	Rol ap	851.0	1852.0	876.0	1698.0	156.	171.	AG	1610.	8.5	.0	44.0		
54. SB	Rol ap	876.0	1698.0	915.0	1552.0	151.	165.	AG	1610.	8.5	.0	44.0		
55. SB	Rol ap	915.0	1552.0	988.0	1331.0	233.	162.	AG	1610.	8.5	.0	44.0		
56. SB	Rol thru	988.0	1331.0	1084.0	1021.0	325.	163.	AG	920.	8.5	.0	44.0		
57. SB	Rol thru	1065.0	1084.0	1000.4	1293.1	219.	343.	AG	145.	100.0	.0	24.0	.69	11.1
58. SB	Rol left	988.0	1331.0	1038.0	1230.0	113.	154.	AG	555.	8.5	.0	44.0		
59. SB	Rol left	1038.0	1230.0	1106.0	1025.0	216.	162.	AG	555.	8.5	.0	44.0		
60. SB	Rol left	1088.0	1079.0	1025.7	1265.9	197.	342.	AG	187.	100.0	.0	24.0	.87	10.0
61. SB	Rol right	988.0	1331.0	1027.0	1165.0	171.	167.	AG	135.	8.5	.0	32.0		
62. SB	Rol right	1027.0	1165.0	1014.0	1119.0	48.	196.	AG	135.	8.5	.0	32.0		
63. SB	Rol right	1014.0	1119.0	973.0	1089.0	51.	234.	AG	135.	8.5	.0	32.0		
64. SB	Rol right	980.0	1095.0	1032.7	1131.7	64.	55.	AG	73.	100.0	.0	12.0	.23	3.3
65. SB	Rol right	973.0	1089.0	922.0	1086.0	51.	267.	AG	135.	8.5	.0	32.0		

66. SB	Rol dep1	*	1084.0	1021.0	1119.0	882.0	*	143.	166. AG	1405.	8.5	.0	44.0
67. SB	Rol dep2	*	1123.0	878.0	1195.0	618.0	*	270.	165. AG	1455.	8.5	.0	44.0
68. SB	Rol dep2	*	1195.0	618.0	1278.0	344.0	*	286.	163. AG	1455.	8.5	.0	44.0
69. SB	Rol dep2	*	1278.0	344.0	1338.0	172.0	*	182.	161. AG	1455.	8.5	.0	44.0
70. SB	Rol dep2	*	1338.0	172.0	1396.0	37.0	*	147.	157. AG	1455.	8.5	.0	44.0

1

JOB: Site 1 Security & Rolling Rd NBAM21 RUN: Site 1 No Build AM 2021
DATE: 09/05/2012 TIME: 14:59:54.01

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB	Sec thru	*	140	103	2.0	425	1910	43.60	1	3
7. EB	Sec left	*	140	124	2.0	115	1909	43.60	1	3
11. EB	Sec right	*	140	103	2.0	50	1708	43.60	1	3
22. WB	Sec thru	*	140	94	2.0	640	1873	43.60	1	3
25. WB	Sec left	*	140	115	2.0	485	1817	43.60	1	3
38. NB	Rol thru	*	140	102	2.0	755	1910	43.60	1	3
41. NB	Rol left	*	140	127	2.0	80	1909	43.60	1	3
57. SB	Rol thru	*	140	87	2.0	920	1910	43.60	1	3
60. SB	Rol left	*	140	112	2.0	555	1852	43.60	1	3
64. SB	Rol right	*	140	87	2.0	135	1708	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1299.0	511.0	5.0	*
2. SE 164 S	*	1248.0	695.0	5.0	*
3. SE 82 S	*	1226.0	773.0	5.0	*
4. SE CNR	*	1221.0	872.0	5.0	*
5. SE 82 E	*	1320.0	889.0	5.0	*
6. SE 164 E	*	1401.0	871.0	5.0	*
7. SE MID E	*	1598.0	845.0	5.0	*
8. NE MID E	*	1533.0	984.0	5.0	*
9. NE 164 E	*	1327.0	1024.0	5.0	*
10. NE 82 E	*	1245.0	1044.0	5.0	*
11. NE CNR	*	1168.0	1085.0	5.0	*
12. NE 82 N	*	1108.0	1174.0	5.0	*
13. NE 164 N	*	1082.0	1252.0	5.0	*
14. NE MID N	*	1001.0	1456.0	5.0	*
15. NW MID N	*	932.0	1430.0	5.0	*
16. NW 164 N	*	974.0	1289.0	5.0	*
17. NW 82 N	*	1000.0	1211.0	5.0	*
18. NW CNR	*	986.0	1122.0	5.0	*
19. NW 82 W	*	899.0	1115.0	5.0	*
20. NW 164 W	*	820.0	1138.0	5.0	*
21. NW MID W	*	610.0	1193.0	5.0	*
22. SW MID W	*	658.0	1066.0	5.0	*
23. SW 164 W	*	891.0	1003.0	5.0	*
24. SW 82 W	*	971.0	980.0	5.0	*
25. SW CNR	*	1084.0	889.0	5.0	*
26. SW 82 S	*	1120.0	798.0	5.0	*
27. SW 164 S	*	1141.0	719.0	5.0	*
28. SW MID S	*	1214.0	475.0	5.0	*

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JOB: Site 1 Security & Rolling Rd NBAM21 RUN: Site 1 No Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.4	.3	.7	.8	.5	.5	.0	.0	.0	.0	.1	.0	.2	1.0	.9	1.2	.4	.1	.0
5.	.1	.3	.3	.7	.8	.6	.6	.0	.0	.0	.0	.1	.0	.1	1.0	.9	1.3	.5	.1	.0
10.	.0	.3	.3	.7	.8	.6	.5	.0	.0	.0	.0	.0	.0	.1	1.0	.8	1.4	.7	.2	.1
15.	.0	.2	.3	.8	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.9	.8	1.3	.6	.2	.1
20.	.0	.1	.3	.8	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.8	.7	1.3	.8	.2	.1
25.	.0	.0	.2	.8	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.8	.7	1.3	.7	.4	.2
30.	.0	.0	.2	.7	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.8	.6	1.4	.7	.3	.2
35.	.0	.1	.2	.7	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.8	.6	1.3	.8	.3	.2
40.	.0	.1	.1	.6	.5	.6	.6	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.3	.8	.4	.2
45.	.0	.1	.1	.6	.6	.5	.6	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.3	.7	.4	.1
50.	.0	.1	.1	.4	.6	.5	.6	.0	.0	.0	.0	.0	.0	.0	.6	.5	1.3	.7	.4	.1
55.	.0	.1	.1	.4	.6	.5	.6	.0	.0	.0	.0	.0	.0	.0	.6	.5	1.3	.8	.4	.2
60.	.0	.1	.1	.3	.7	.5	.6	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.4	.8	.4	.4
65.	.0	.0	.1	.4	.8	.5	.7	.0	.0	.0	.0	.0	.0	.0	.7	.7	1.5	.8	.4	.4
70.	.0	.0	.1	.2	.6	.6	.8	.0	.0	.0	.0	.0	.0	.0	.7	.7	1.4	.8	.4	.4
75.	.0	.0	.1	.3	.6	.7	.7	.0	.0	.0	.0	.0	.0	.0	.7	.7	1.4	.8	.4	.5
80.	.0	.0	.0	.3	.6	.7	.7	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.4	.8	.5	.5

85.	*	.0	.0	.0	.2	.7	.7	.6	.2	.0	.0	.0	.0	.0	.0	.6	.7	1.3	.8	.6	.5
90.	*	.0	.0	.0	.1	.7	.5	.5	.3	.0	.1	.0	.0	.0	.0	.6	.8	1.3	.9	.5	.4
95.	*	.0	.0	.0	.1	.5	.4	.3	.3	.2	.2	.0	.0	.0	.0	.6	.9	1.3	1.0	.5	.4
100.	*	.0	.0	.0	.1	.4	.3	.3	.6	.4	.4	.0	.0	.0	.0	.7	.9	1.4	1.0	.7	.6
105.	*	.0	.0	.0	.0	.2	.3	.1	.7	.4	.4	.2	.0	.0	.0	.7	1.0	1.4	1.2	.9	.5
110.	*	.0	.0	.0	.0	.1	.1	.1	.7	.6	.5	.3	.0	.0	.0	.7	1.2	1.4	1.0	.7	.5
115.	*	.0	.0	.0	.0	.1	.1	.1	.6	.7	.9	.5	.0	.0	.0	.8	1.2	1.4	1.2	.8	.6
120.	*	.0	.0	.0	.0	.1	.1	.0	.7	.7	.8	.6	.0	.0	.0	.7	1.3	1.7	1.2	.8	.5
125.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.0	.8	.3	.0	.1	.8	1.3	1.8	1.3	.8	.6
130.	*	.0	.0	.0	.0	.0	.0	.0	.6	.5	1.1	1.0	.3	.0	.1	.9	1.6	1.7	.9	1.0	.6
135.	*	.0	.0	.0	.0	.0	.0	.0	.6	.5	1.1	.9	.3	.2	.1	1.1	1.8	1.8	1.0	1.0	.6
140.	*	.0	.0	.0	.0	.0	.0	.0	.5	.5	1.3	.9	.4	.3	.1	1.2	1.7	1.8	.7	1.0	.5
145.	*	.1	.1	.0	.0	.0	.0	.0	.5	.6	1.2	1.0	.5	.3	.2	1.1	1.6	1.6	.9	.8	.5
150.	*	.1	.1	.1	.0	.0	.0	.0	.6	.6	1.2	1.0	.6	.3	.5	1.0	1.4	1.3	1.0	.6	.4
155.	*	.2	.2	.1	.0	.0	.0	.0	.6	.5	1.2	.9	.7	.4	.6	1.0	1.2	1.2	.9	.5	.4
160.	*	.4	.4	.3	.1	.0	.0	.0	.6	.7	1.2	.9	.8	.7	.8	.8	.9	1.1	.8	.5	.3
165.	*	.5	.5	.6	.3	.0	.0	.0	.6	.8	1.2	1.0	1.1	.7	.9	.7	.5	1.0	.7	.4	.3
170.	*	.6	.5	.6	.4	.0	.0	.0	.4	.7	1.1	1.1	.8	1.2	1.0	.6	.6	.6	.6	.3	.3
175.	*	.7	.7	.6	.5	.0	.0	.0	.5	.7	1.2	1.0	1.0	1.3	1.0	.4	.3	.5	.6	.3	.3
180.	*	.7	.7	.7	.7	.0	.0	.0	.6	.9	1.3	.9	1.1	1.2	1.1	.1	.3	.3	.5	.3	.3
185.	*	.7	.6	.8	.7	.2	.0	.0	.6	1.0	1.4	1.0	1.0	1.1	1.0	.1	.2	.3	.5	.3	.3
190.	*	.8	.6	1.0	.8	.2	.0	.0	.6	1.0	1.5	1.1	.9	1.2	.9	.1	.0	.2	.4	.3	.3
195.	*	.7	.6	1.0	.7	.2	.1	.0	.6	1.2	1.5	1.0	1.2	1.3	.9	.1	.0	.2	.3	.3	.3
200.	*	.6	.7	1.1	.7	.2	.2	.0	.5	1.3	1.4	.9	1.3	1.5	.7	.1	.0	.2	.3	.3	.3
205.	*	.6	.7	1.0	.7	.4	.2	.0	.5	1.3	1.4	.6	1.2	1.4	.7	.1	.0	.0	.3	.3	.3

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JOB: Site 1 Security & Rolling Rd NBAM21 RUN: Site 1 No Build AM 2021

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.5	.5	.9	.7	.3	.2	.0	.5	1.3	1.4	.5	1.1	1.4	.7	.0	.1	.0	.2	.3	.3
215.	*	.6	.5	.9	.7	.2	.2	.0	.5	1.4	1.5	.5	1.2	1.2	.7	.0	.1	.0	.2	.3	.3
220.	*	.6	.5	.9	.7	.3	.1	.0	.5	1.5	1.5	.5	1.2	1.1	.7	.0	.1	.1	.1	.3	.3
225.	*	.6	.6	.9	.7	.3	.1	.0	.5	1.5	1.5	.5	1.2	1.0	.6	.0	.1	.1	.1	.3	.3
230.	*	.5	.5	.9	.8	.3	.2	.0	.6	1.5	1.3	.5	1.2	1.0	.6	.0	.0	.1	.1	.4	.3
235.	*	.5	.5	.9	.8	.3	.2	.0	.7	1.4	1.3	.8	1.1	1.0	.6	.0	.0	.1	.2	.4	.3
240.	*	.6	.5	.9	.8	.3	.2	.0	.7	1.5	1.2	.8	1.1	1.0	.7	.0	.0	.1	.3	.4	.3
245.	*	.6	.5	.9	.8	.3	.2	.0	.8	1.3	1.0	.7	1.1	1.0	.7	.0	.0	.1	.3	.4	.4
250.	*	.5	.5	.9	.8	.3	.2	.0	.8	1.3	1.1	.6	1.1	1.1	.7	.0	.0	.1	.3	.4	.5
255.	*	.5	.5	.9	.7	.3	.2	.0	.8	1.3	1.2	.7	1.2	1.1	.7	.0	.0	.0	.2	.4	.5
260.	*	.5	.5	.9	.6	.3	.3	.2	.8	1.2	1.0	.7	1.0	1.0	.7	.0	.0	.0	.1	.4	.3
265.	*	.5	.5	.9	.7	.3	.2	.2	.8	1.2	1.1	.8	1.0	1.0	.6	.0	.0	.0	.1	.4	.3
270.	*	.5	.6	.9	.8	.3	.3	.3	.8	.9	.8	.7	1.0	1.0	.6	.0	.0	.0	.1	.4	.3
275.	*	.5	.6	.9	.8	.4	.3	.3	.3	.7	.9	.8	1.0	.9	.6	.0	.0	.0	.1	.4	.4
280.	*	.5	.7	.9	.8	.4	.4	.6	.3	.6	.8	.8	1.0	.9	.7	.0	.0	.0	.1	.4	.4
285.	*	.5	.6	.9	.7	.6	.5	.6	.3	.6	.6	.8	1.1	.9	.7	.0	.0	.0	.1	.4	.4
290.	*	.6	.6	.9	.7	.6	.4	.7	.1	.6	.6	.9	1.1	.9	.7	.0	.0	.0	.0	.3	.3
295.	*	.6	.7	1.0	.8	.6	.7	.7	.0	.5	.6	1.0	1.1	.8	.7	.1	.0	.0	.0	.2	.2
300.	*	.6	.8	1.0	.9	.6	1.0	.8	.0	.4	.4	1.0	1.1	1.0	.8	.1	.0	.0	.0	.1	.1
305.	*	.7	.9	1.0	.8	.9	1.1	.8	.0	.3	.4	1.1	1.1	.9	.9	.1	.0	.0	.0	.1	.1
310.	*	.7	.9	1.1	.6	1.2	1.0	.7	.0	.3	.4	.9	1.3	.8	.9	.1	.0	.0	.0	.1	.1
315.	*	.7	1.1	1.1	.7	1.2	1.0	.6	.0	.2	.4	.7	1.4	.9	.9	.1	.0	.0	.0	.1	.0
320.	*	.6	1.0	1.1	.9	1.2	.9	.5	.0	.0	.3	.7	1.1	.8	.8	.1	.1	.1	.0	.1	.0
325.	*	.8	1.1	1.0	.8	1.2	.8	.6	.0	.0	.3	.7	1.1	.7	.7	.2	.1	.2	.0	.0	.0
330.	*	.7	.9	1.1	.9	1.1	.7	.6	.0	.0	.0	.7	.9	.6	.8	.3	.2	.2	.0	.0	.0
335.	*	.7	.9	1.0	1.0	1.1	.7	.6	.0	.0	.0	.4	.7	.6	.9	.4	.2	.3	.0	.0	.0
340.	*	.7	.8	.8	.8	1.1	.5	.6	.0	.0	.0	.2	.5	.6	.7	.7	.6	.6	.1	.0	.0
345.	*	.6	.6	.7	.6	1.0	.5	.5	.0	.0	.0	.1	.4	.4	.7	.8	.7	.7	.1	.0	.0
350.	*	.3	.6	.6	.7	.9	.5	.5	.0	.0	.0	.0	.3	.2	.2	.9	.8	1.0	.4	.0	.0
355.	*	.3	.5	.6	.7	.8	.5	.5	.0	.0	.0	.0	.1	.2	.2	1.1	.8	1.0	.4	.1	.0
360.	*	.1	.4	.3	.7	.8	.5	.5	.0	.0	.0	.0	.1	.0	.2	1.0	.9	1.2	.4	.1	.0
MAX	*	.8	1.1	1.1	1.0	1.2	1.1	.8	.8	1.5	1.5	1.1	1.4	1.5	1.1	1.2	1.8	1.8	1.3	1.0	.6
DEGR.	*	325	315	200	335	310	305	300	245	220	190	190	315	200	180	140	135	125	125	130	100

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JOB: Site 1 Security & Rolling Rd NBAM21 RUN: Site 1 No Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.2	.3	1.0	.9	1.0	.8	.9
5.	*	.0	.2	.3	1.1	.9	.8	1.0	.9
10.	*	.0	.2	.3	1.1	.7	1.0	1.1	.9
15.	*	.0	.2	.3	1.1	.6	1.2	1.1	.7
20.	*	.0	.2	.3	1.1	.6	1.3	1.2	.7
25.	*	.0	.2	.5	1.2	.7	1.2	1.2	.7
30.	*	.0	.2	.6	1.2	1.0	1.0	1.2	.7
35.	*	.0	.2	.6	1.2	.9	1.1	1.0	.6
40.	*	.0	.2	.6	1.2	.9	1.1	1.0	.6

45.	*	.0	.2	.7	1.0	.9	1.1	.9	.6
50.	*	.1	.2	.7	1.0	.9	1.0	.9	.6
55.	*	.1	.3	.7	1.0	1.1	.9	.8	.6
60.	*	.1	.2	.7	.9	1.1	1.0	.8	.6
65.	*	.0	.2	.8	1.0	1.1	.9	.8	.5
70.	*	.0	.4	.8	.9	1.0	.9	.7	.6
75.	*	.0	.4	.7	1.0	.9	.9	.7	.6
80.	*	.1	.3	.7	.9	.9	.9	.7	.6
85.	*	.1	.2	.9	.9	1.1	.8	.7	.6
90.	*	.2	.2	.9	.9	1.0	.7	.7	.5
95.	*	.3	.1	.9	.7	.8	.8	.8	.6
100.	*	.3	.2	.6	.6	.7	.8	.7	.6
105.	*	.4	.1	.6	.5	.8	.8	.7	.6
110.	*	.4	.1	.3	.4	.7	.8	.6	.6
115.	*	.5	.0	.3	.3	.8	.7	.6	.7
120.	*	.5	.0	.3	.4	.8	.8	.7	.7
125.	*	.4	.0	.2	.4	.7	.9	.7	.7
130.	*	.4	.0	.2	.4	.7	.9	.7	.7
135.	*	.4	.0	.2	.2	.8	.9	.8	.7
140.	*	.4	.0	.1	.2	.8	.8	.8	.8
145.	*	.4	.0	.1	.2	.8	.9	.9	.9
150.	*	.4	.0	.0	.1	.8	.8	.8	.8
155.	*	.4	.0	.0	.1	.6	.7	.8	.8
160.	*	.4	.0	.0	.0	.6	.7	.7	.6
165.	*	.4	.0	.0	.0	.3	.6	.5	.5
170.	*	.2	.0	.0	.0	.3	.4	.3	.4
175.	*	.2	.0	.0	.0	.1	.3	.3	.3
180.	*	.2	.0	.0	.0	.1	.2	.2	.1
185.	*	.2	.0	.0	.0	.0	.1	.1	.1
190.	*	.2	.0	.0	.0	.0	.1	.1	.1
195.	*	.4	.0	.0	.0	.0	.1	.0	.1
200.	*	.4	.0	.0	.0	.0	.0	.0	.0
205.	*	.3	.0	.0	.0	.0	.0	.0	.0

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JOB: Site 1 Security & Rolling Rd NBAM21 RUN: Site 1 No Build AM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.4	.0	.0	.0	.0	.0	.0	.0
245.	*	.4	.0	.0	.0	.0	.0	.0	.0
250.	*	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.4	.0	.0	.0	.0	.0	.0	.0
260.	*	.5	.0	.0	.0	.0	.0	.0	.0
265.	*	.4	.0	.0	.0	.0	.0	.0	.0
270.	*	.4	.0	.0	.0	.0	.0	.0	.0
275.	*	.4	.0	.0	.0	.0	.0	.0	.0
280.	*	.4	.1	.1	.1	.0	.0	.0	.0
285.	*	.3	.1	.1	.1	.0	.0	.0	.0
290.	*	.3	.2	.1	.1	.0	.0	.0	.0
295.	*	.2	.2	.1	.1	.0	.0	.0	.0
300.	*	.2	.3	.2	.2	.1	.0	.0	.0
305.	*	.2	.3	.3	.3	.2	.0	.0	.0
310.	*	.0	.3	.2	.3	.2	.0	.0	.1
315.	*	.0	.3	.2	.4	.2	.0	.0	.1
320.	*	.0	.3	.2	.4	.2	.2	.1	.1
325.	*	.0	.3	.2	.4	.3	.2	.1	.1
330.	*	.0	.2	.2	.5	.5	.3	.2	.3
335.	*	.0	.2	.2	.6	.7	.3	.4	.3
340.	*	.0	.2	.2	.5	.7	.7	.4	.5
345.	*	.0	.2	.2	.6	.8	.9	.6	.6
350.	*	.0	.2	.2	.6	.9	.8	.8	1.0
355.	*	.0	.2	.2	.8	.9	.9	.9	.9
360.	*	.0	.2	.3	1.0	.9	1.0	.8	.9
MAX	*	.5	.4	.9	1.2	1.1	1.3	1.2	1.0
DEGR.	*	115	70	85	25	55	20	20	350

THE HIGHEST CONCENTRATION IS 1.80 PPM AT 135 DEGREES FROM REC16.
THE 2ND HIGHEST CONCENTRATION IS 1.80 PPM AT 125 DEGREES FROM REC17.
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 220 DEGREES FROM REC9 .

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Site 1 Security & Rolling Rd NBAM35     60.0321.0.0000.000280.30480000    1    1
SE MID S                 1299.      511.       5.0
SE 164 S                 1248.      695.       5.0
SE 82 S                  1226.      773.       5.0
SE CNR                   1221.      872.       5.0
SE 82 E                  1320.      889.       5.0
SE 164 E                 1401.      871.       5.0
SE MID E                 1598.      845.       5.0
NE MID E                 1533.      984.       5.0
NE 164 E                 1327.     1024.       5.0
NE 82 E                  1245.     1044.       5.0
NE CNR                   1168.     1085.       5.0
NE 82 N                  1108.     1174.       5.0
NE 164 N                 1082.     1252.       5.0
NE MID N                 1001.     1456.       5.0
NW MID N                  932.     1430.       5.0
NW 164 N                  974.     1289.       5.0
NW 82 N                  1000.     1211.       5.0
NW CNR                    986.     1122.       5.0
NW 82 W                   899.     1115.       5.0
NW 164 W                  820.     1138.       5.0
NW MID W                  610.     1193.       5.0
SW MID W                  658.     1066.       5.0
SW 164 W                  891.     1003.       5.0
SW 82 W                   971.      980.       5.0
SW CNR                   1084.      889.       5.0
SW 82 S                  1120.      798.       5.0
SW 164 S                 1141.      719.       5.0
SW MID S                 1214.      475.       5.0
Site 1 No Build AM 2035                  70  1   0
  1
EB        Sec ap    AG   139.  1226.   392.  1160.    625. 8.1   0  44   40.
  1
EB        Sec ap    AG   392.  1160.   603.  1116.    625. 8.1   0  44   40.
  1
EB        Sec thru  AG   603.  1116.  1120.   976.    450. 8.1   0  44   40.
  2
EB        Sec thru  AG  1054.   994.   814.  1059.      0.  24   2
       140       104       2.0  450   42.1 1910 1 3
  1
EB        Sec left  AG   603.  1116.   738.  1096.    120. 8.1   0  32   40.
  1
EB        Sec left  AG   738.  1096.  1122.   994.    120. 8.1   0  32   40.
  2
EB        Sec left  AG  1051.  1013.   827.  1072.      0.  12   1
       140       122       2.0  120   42.1 1909 1 3
  1
EB        Sec right AG   603.  1116.   722.  1067.     55. 8.1   0  32   40.
  1
EB        Sec right AG   722.  1067.   986.   995.     55. 8.1   0  32   40.
  1
EB        Sec right AG   986.   995.  1070.   942.     55. 8.1   0  32   40.
  2
EB        Sec right AG  1062.   947.   993.   990.      0.  12   1
       140       104       2.0   55   42.1 1708 1 3
  1
EB        Sec right AG  1070.   942.  1123.   878.     55. 8.1   0  32   40.
  1
EB        Sec dep1  AG  1120.   976.  1367.   908.   1040. 8.1   0  44   40.
  1
EB        Sec dep2  AG  1367.   908.  1569.   880.   1410. 8.1   0  56   40.
  1
EB        Sec dep2  AG  1569.   880.  1751.   864.   1410. 8.1   0  56   40.
  1
EB        Sec dep2  AG  1751.   864.  1949.   867.   1410. 8.1   0  56   40.
  1
EB        Sec dep2  AG  1949.   867.  2104.   870.   1410. 8.1   0  56   40.
  1
WB        Sec ap    AG  2109.   937.  1863.   925.   1540. 8.1   0  56   40.
  1
WB        Sec ap    AG  1863.   925.  1647.   933.   1540. 8.1   0  56   40.
  1
WB        Sec ap    AG  1647.   933.  1496.   952.   1540. 8.1   0  56   40.
  1
WB        Sec thru  AG  1496.   952.  1098.  1043.    660. 8.1   0  44   40.
  2
WB        Sec thru  AG  1165.  1028.  1424.   969.      0.  24   2
       140        93       2.0  660   42.1 1873 1 3
  1
WB        Sec left  AG  1496.   952.  1348.   958.    490. 8.1   0  44   40.
  1
```

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WB        Sec left  AG  1348.   958.  1096.  1019.    490. 8.1   0  44   40.
  2
WB        Sec left  AG  1172.  1000.  1333.   962.      0.  24   2
       140       111       2.0  490   42.1 1817 1 3
  1
WB        Sec right AG  1496.   952.  1392.   991.    390. 8.1   0  32   40.
  1
WB        Sec right AG  1392.   991.  1214.  1033.    390. 8.1   0  32   40.
  1
WB        Sec right AG  1214.  1033.  1153.  1068.    390. 8.1   0  32   40.
  1
WB        Sec right AG  1153.  1068.  1100.  1119.    390. 8.1   0  32   40.
  1
WB        Sec d1    AG  1098.  1043.   922.  1086.    745. 8.1   0  56   40.
  1
WB        Sec d2    AG   922.  1086.   745.  1132.    890. 8.1   0  56   40.
  1
WB        Sec d2    AG   745.  1132.   568.  1184.    890. 8.1   0  44   40.
  1
WB        Sec d2    AG   568.  1184.   159.  1294.    890. 8.1   0  44   40.
  1
NB        Rol ap    AG  1435.    51.  1353.   250.   1210. 8.3   0  44   45.
  1
NB        Rol ap    AG  1353.   250.  1279.   490.   1210. 8.3   0  44   45.
  1
NB        Rol ap    AG  1279.   490.  1215.   701.   1210. 8.3   0  44   45.
  1
NB        Rol thru  AG  1215.   701.  1133.   990.    755. 8.3   0  44   45.
  2
NB        Rol thru  AG  1153.   919.  1208.   726.      0.  24   2
       140        99       2.0  755   42.1 1910 1 3
  1
NB        Rol left  AG  1215.   701.  1174.   783.     85. 8.3   0  32   45.
  1
NB        Rol left  AG  1174.   783.  1111.   999.     85. 8.3   0  32   45.
  2
NB        Rol left  AG  1133.   924.  1171.   792.      0.  12   1
       140       125       2.0   85   42.1 1909 1 3
  1
NB        Rol right AG  1208.   726.  1194.   865.    370. 8.3   0  32   45.
  1
NB        Rol right AG  1194.   865.  1226.   908.    370. 8.3   0  32   45.
  1
NB        Rol right AG  1226.   908.  1288.   919.    370. 8.3   0  32   45.
  1
NB        Rol right AG  1288.   919.  1367.   908.    370. 8.3   0  32   45.
  1
NB        Rol dep1  AG  1133.   990.  1100.  1119.    875. 8.3   0  44   45.
  1
NB        Rol dep2  AG  1100.  1119.  1038.  1302.   1265. 8.3   0  44   45.
  1
NB        Rol dep2  AG  1038.  1302.   960.  1501.   1265. 8.3   0  44   45.
  1
NB        Rol dep2  AG   960.  1501.   907.  1687.   1265. 8.3   0  44   45.
  1
NB        Rol dep2  AG   907.  1687.   877.  1869.   1265. 8.3   0  44   45.
  1
NB        Rol dep2  AG   877.  1869.   870.  1967.   1265. 8.3   0  44   45.
  1
SB        Rol ap    AG   842.  1958.   851.  1852.   1720. 8.3   0  44   45.
  1
SB        Rol ap    AG   851.  1852.   876.  1698.   1720. 8.3   0  44   45.
  1
SB        Rol ap    AG   876.  1698.   915.  1552.   1720. 8.3   0  44   45.
  1
SB        Rol ap    AG   915.  1552.   988.  1331.   1720. 8.3   0  44   45.
  1
SB        Rol thru  AG   988.  1331.  1084.  1021.    985. 8.3   0  44   45.
  2
SB        Rol thru  AG  1065.  1084.  1002.  1288.      0.  24   2
       140        81       2.0  985   42.1 1910 1 3
  1
SB        Rol left  AG   988.  1331.  1038.  1230.    590. 8.3   0  44   45.
  1
SB        Rol left  AG  1038.  1230.  1106.  1025.    590. 8.3   0  44   45.
  2
SB        Rol left  AG  1088.  1079.  1040.  1223.      0.  24   2
       140       106       2.0  590   42.1 1852 1 3
  1
SB        Rol right AG   988.  1331.  1027.  1165.    145. 8.3   0  32   45.
  1
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SB        Rol right AG  1027.  1165.  1014.  1119.    145. 8.3   0  32   45.
  1
SB        Rol right AG  1014.  1119.   973.  1089.    145. 8.3   0  32   45.
  2
SB        Rol right AG   980.  1095.  1013.  1118.      0.  12   1
       140        81       2.0  145   42.1 1708 1 3
  1
SB        Rol right AG   973.  1089.   922.  1086.    145. 8.3   0  32   45.
  1
SB        Rol dep1  AG  1084.  1021.  1119.   882.   1475. 8.3   0  44   45.
  1
SB        Rol dep2  AG  1123.   878.  1195.   618.   1530. 8.3   0  44   45.
  1
SB        Rol dep2  AG  1195.   618.  1278.   344.   1530. 8.3   0  44   45.
  1
SB        Rol dep2  AG  1278.   344.  1338.   172.   1530. 8.3   0  44   45.
  1
SB        Rol dep2  AG  1338.   172.  1396.    37.   1530. 8.3   0  44   45.
1.0   04  1000   0Y  5  0 72
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JOB: Site 1 Security & Rolling Rd NBAM35 RUN: Site 1 No Build AM 2035
DATE: 09/05/2012 TIME: 14:59:21.82

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Sec ap	*	139.0	1226.0	392.0	1160.0	*	261.	105.	AG	625.	8.1	.0	44.0		
2. EB	Sec ap	*	392.0	1160.0	603.0	1116.0	*	216.	102.	AG	625.	8.1	.0	44.0		
3. EB	Sec thru	*	603.0	1116.0	1120.0	976.0	*	536.	105.	AG	450.	8.1	.0	44.0		
4. EB	Sec thru	*	1054.0	994.0	930.5	1027.4	*	128.	285.	AG	168.	100.0	.0	24.0	.52	6.5
5. EB	Sec left	*	603.0	1116.0	738.0	1096.0	*	136.	98.	AG	120.	8.1	.0	32.0		
6. EB	Sec left	*	738.0	1096.0	1122.0	994.0	*	397.	105.	AG	120.	8.1	.0	32.0		
7. EB	Sec left	*	1051.0	1013.0	972.3	1033.7	*	81.	285.	AG	98.	100.0	.0	12.0	.63	4.1
8. EB	Sec right	*	603.0	1116.0	722.0	1067.0	*	129.	112.	AG	55.	8.1	.0	32.0		
9. EB	Sec right	*	722.0	1067.0	986.0	995.0	*	274.	105.	AG	55.	8.1	.0	32.0		
10. EB	Sec right	*	986.0	995.0	1070.0	942.0	*	99.	122.	AG	55.	8.1	.0	32.0		
11. EB	Sec right	*	1062.0	947.0	1035.5	963.5	*	31.	302.	AG	84.	100.0	.0	12.0	.14	1.6
12. EB	Sec right	*	1070.0	942.0	1123.0	878.0	*	83.	140.	AG	55.	8.1	.0	32.0		
13. EB	Sec dep1	*	1120.0	976.0	1367.0	908.0	*	256.	105.	AG	1040.	8.1	.0	44.0		
14. EB	Sec dep2	*	1367.0	908.0	1569.0	880.0	*	204.	98.	AG	1410.	8.1	.0	56.0		
15. EB	Sec dep2	*	1569.0	880.0	1751.0	864.0	*	183.	95.	AG	1410.	8.1	.0	56.0		
16. EB	Sec dep2	*	1751.0	864.0	1949.0	867.0	*	198.	89.	AG	1410.	8.1	.0	56.0		
17. EB	Sec dep2	*	1949.0	867.0	2104.0	870.0	*	155.	89.	AG	1410.	8.1	.0	56.0		
18. WB	Sec ap	*	2109.0	937.0	1863.0	925.0	*	246.	267.	AG	1540.	8.1	.0	56.0		
19. WB	Sec ap	*	1863.0	925.0	1647.0	933.0	*	216.	272.	AG	1540.	8.1	.0	56.0		
20. WB	Sec ap	*	1647.0	933.0	1496.0	952.0	*	152.	277.	AG	1540.	8.1	.0	56.0		
21. WB	Sec thru	*	1496.0	952.0	1098.0	1043.0	*	408.	283.	AG	660.	8.1	.0	44.0		
22. WB	Sec thru	*	1165.0	1028.0	1328.6	990.7	*	168.	103.	AG	150.	100.0	.0	24.0	.57	8.5
23. WB	Sec left	*	1496.0	952.0	1348.0	958.0	*	148.	272.	AG	490.	8.1	.0	44.0		
24. WB	Sec left	*	1348.0	958.0	1096.0	1019.0	*	259.	284.	AG	490.	8.1	.0	44.0		
25. WB	Sec left	*	1172.0	1000.0	1322.9	964.4	*	155.	103.	AG	179.	100.0	.0	24.0	.76	7.9
26. WB	Sec right	*	1496.0	952.0	1392.0	991.0	*	111.	291.	AG	390.	8.1	.0	32.0		
27. WB	Sec right	*	1392.0	991.0	1214.0	1033.0	*	183.	283.	AG	390.	8.1	.0	32.0		
28. WB	Sec right	*	1214.0	1033.0	1153.0	1068.0	*	70.	300.	AG	390.	8.1	.0	32.0		
29. WB	Sec right	*	1153.0	1068.0	1100.0	1119.0	*	74.	314.	AG	390.	8.1	.0	32.0		
30. WB	Sec d1	*	1098.0	1043.0	922.0	1086.0	*	181.	284.	AG	745.	8.1	.0	56.0		
31. WB	Sec d2	*	922.0	1086.0	745.0	1132.0	*	183.	285.	AG	890.	8.1	.0	56.0		
32. WB	Sec d2	*	745.0	1132.0	568.0	1184.0	*	184.	286.	AG	890.	8.1	.0	44.0		
33. WB	Sec d2	*	568.0	1184.0	159.0	1294.0	*	424.	285.	AG	890.	8.1	.0	44.0		
34. NB	Rol ap	*	1435.0	51.0	1353.0	250.0	*	215.	338.	AG	1210.	8.3	.0	44.0		
35. NB	Rol ap	*	1353.0	250.0	1279.0	490.0	*	251.	343.	AG	1210.	8.3	.0	44.0		
36. NB	Rol ap	*	1279.0	490.0	1215.0	701.0	*	220.	343.	AG	1210.	8.3	.0	44.0		
37. NB	Rol thru	*	1215.0	701.0	1133.0	990.0	*	300.	344.	AG	755.	8.3	.0	44.0		
38. NB	Rol thru	*	1153.0	919.0	1209.1	722.2	*	205.	164.	AG	160.	100.0	.0	24.0	.75	10.4
39. NB	Rol left	*	1215.0	701.0	1174.0	783.0	*	92.	333.	AG	85.	8.3	.0	32.0		
40. NB	Rol left	*	1174.0	783.0	1111.0	999.0	*	225.	344.	AG	85.	8.3	.0	32.0		
41. NB	Rol left	*	1133.0	924.0	1149.2	867.7	*	59.	164.	AG	101.	100.0	.0	12.0	.57	3.0
42. NB	Rol right	*	1208.0	726.0	1194.0	865.0	*	140.	354.	AG	370.	8.3	.0	32.0		
43. NB	Rol right	*	1194.0	865.0	1226.0	908.0	*	54.	37.	AG	370.	8.3	.0	32.0		
44. NB	Rol right	*	1226.0	908.0	1288.0	919.0	*	63.	80.	AG	370.	8.3	.0	32.0		

JOB: Site 1 Security & Rolling Rd NBAM35 RUN: Site 1 No Build AM 2035
DATE: 09/05/2012 TIME: 14:59:21.82

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. NB	Rol right	*	1288.0	919.0	1367.0	908.0	*	80.	98.	AG	370.	8.3	.0	32.0		
46. NB	Rol dep1	*	1133.0	990.0	1100.0	1119.0	*	133.	346.	AG	875.	8.3	.0	44.0		
47. NB	Rol dep2	*	1100.0	1119.0	1038.0	1302.0	*	193.	341.	AG	1265.	8.3	.0	44.0		
48. NB	Rol dep2	*	1038.0	1302.0	960.0	1501.0	*	214.	339.	AG	1265.	8.3	.0	44.0		
49. NB	Rol dep2	*	960.0	1501.0	907.0	1687.0	*	193.	344.	AG	1265.	8.3	.0	44.0		
50. NB	Rol dep2	*	907.0	1687.0	877.0	1869.0	*	184.	351.	AG	1265.	8.3	.0	44.0		
51. NB	Rol dep2	*	877.0	1869.0	870.0	1967.0	*	98.	356.	AG	1265.	8.3	.0	44.0		
52. SB	Rol ap	*	842.0	1958.0	851.0	1852.0	*	106.	175.	AG	1720.	8.3	.0	44.0		
53. SB	Rol ap	*	851.0	1852.0	876.0	1698.0	*	156.	171.	AG	1720.	8.3	.0	44.0		
54. SB	Rol ap	*	876.0	1698.0	915.0	1552.0	*	151.	165.	AG	1720.	8.3	.0	44.0		
55. SB	Rol ap	*	915.0	1552.0	988.0	1331.0	*	233.	162.	AG	1720.	8.3	.0	44.0		
56. SB	Rol thru	*	988.0	1331.0	1084.0	1021.0	*	325.	163.	AG	985.	8.3	.0	44.0		
57. SB	Rol thru	*	1065.0	1084.0	1000.7	1292.2	*	218.	343.	AG	131.	100.0	.0	24.0	.66	11.1
58. SB	Rol left	*	988.0	1331.0	1038.0	1230.0	*	113.	154.	AG	590.	8.3	.0	44.0		
59. SB	Rol left	*	1038.0	1230.0	1106.0	1025.0	*	216.	162.	AG	590.	8.3	.0	44.0		
60. SB	Rol left	*	1088.0	1079.0	1032.9	1244.4	*	174.	342.	AG	171.	100.0	.0	24.0	.74	8.9
61. SB	Rol right	*	988.0	1331.0	1027.0	1165.0	*	171.	167.	AG	145.	8.3	.0	32.0		
62. SB	Rol right	*	1027.0	1165.0	1014.0	1119.0	*	48.	196.	AG	145.	8.3	.0	32.0		
63. SB	Rol right	*	1014.0	1119.0	973.0	1089.0	*	51.	234.	AG	145.	8.3	.0	32.0		
64. SB	Rol right	*	980.0	1095.0	1032.7	1131.7	*	64.	55.	AG	65.	100.0	.0	12.0	.22	3.3
65. SB	Rol right	*	973.0	1089.0	922.0	1086.0	*	51.	267.	AG	145.	8.3	.0	32.0		

66. SB	Rol dep1	*	1084.0	1021.0	1119.0	882.0	*	143.	166.	AG	1475.	8.3	.0	44.0
67. SB	Rol dep2	*	1123.0	878.0	1195.0	618.0	*	270.	165.	AG	1530.	8.3	.0	44.0
68. SB	Rol dep2	*	1195.0	618.0	1278.0	344.0	*	286.	163.	AG	1530.	8.3	.0	44.0
69. SB	Rol dep2	*	1278.0	344.0	1338.0	172.0	*	182.	161.	AG	1530.	8.3	.0	44.0
70. SB	Rol dep2	*	1338.0	172.0	1396.0	37.0	*	147.	157.	AG	1530.	8.3	.0	44.0

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JOB: Site 1 Security & Rolling Rd NBAM35 RUN: Site 1 No Build AM 2035
DATE: 09/05/2012 TIME: 14:59:21.82

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB	Sec thru	*	140	104	2.0	450	1910	42.10	1	3
7. EB	Sec left	*	140	122	2.0	120	1909	42.10	1	3
11. EB	Sec right	*	140	104	2.0	55	1708	42.10	1	3
22. WB	Sec thru	*	140	93	2.0	660	1873	42.10	1	3
25. WB	Sec left	*	140	111	2.0	490	1817	42.10	1	3
38. NB	Rol thru	*	140	99	2.0	755	1910	42.10	1	3
41. NB	Rol left	*	140	125	2.0	85	1909	42.10	1	3
57. SB	Rol thru	*	140	81	2.0	985	1910	42.10	1	3
60. SB	Rol left	*	140	106	2.0	590	1852	42.10	1	3
64. SB	Rol right	*	140	81	2.0	145	1708	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1299.0	511.0	5.0	*
2. SE 164 S	*	1248.0	695.0	5.0	*
3. SE 82 S	*	1226.0	773.0	5.0	*
4. SE CNR	*	1221.0	872.0	5.0	*
5. SE 82 E	*	1320.0	889.0	5.0	*
6. SE 164 E	*	1401.0	871.0	5.0	*
7. SE MID E	*	1598.0	845.0	5.0	*
8. NE MID E	*	1533.0	984.0	5.0	*
9. NE 164 E	*	1327.0	1024.0	5.0	*
10. NE 82 E	*	1245.0	1044.0	5.0	*
11. NE CNR	*	1168.0	1085.0	5.0	*
12. NE 82 N	*	1108.0	1174.0	5.0	*
13. NE 164 N	*	1082.0	1252.0	5.0	*
14. NE MID N	*	1001.0	1456.0	5.0	*
15. NW MID N	*	932.0	1430.0	5.0	*
16. NW 164 N	*	974.0	1289.0	5.0	*
17. NW 82 N	*	1000.0	1211.0	5.0	*
18. NW CNR	*	986.0	1122.0	5.0	*
19. NW 82 W	*	899.0	1115.0	5.0	*
20. NW 164 W	*	820.0	1138.0	5.0	*
21. NW MID W	*	610.0	1193.0	5.0	*
22. SW MID W	*	658.0	1066.0	5.0	*
23. SW 164 W	*	891.0	1003.0	5.0	*
24. SW 82 W	*	971.0	980.0	5.0	*
25. SW CNR	*	1084.0	889.0	5.0	*
26. SW 82 S	*	1120.0	798.0	5.0	*
27. SW 164 S	*	1141.0	719.0	5.0	*
28. SW MID S	*	1214.0	475.0	5.0	*

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JOB: Site 1 Security & Rolling Rd NBAM35 RUN: Site 1 No Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.4	.3	.7	.7	.6	.6	.0	.0	.0	.0	.1	.0	.2	1.0	.9	1.2	.4	.1	.0
5.	.1	.3	.3	.7	.7	.6	.6	.0	.0	.0	.0	.1	.0	.1	1.0	.8	1.1	.4	.1	.0
10.	.0	.3	.3	.7	.7	.6	.6	.0	.0	.0	.0	.0	.0	.0	1.0	.8	1.1	.7	.2	.1
15.	.0	.2	.3	.7	.6	.6	.5	.0	.0	.0	.0	.0	.0	.0	.9	.8	1.2	.7	.2	.1
20.	.0	.0	.3	.8	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.8	.7	1.1	.7	.2	.1
25.	.0	.0	.2	.8	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.9	.7	1.2	.6	.3	.1
30.	.0	.1	.2	.7	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.8	.6	1.2	.8	.3	.2
35.	.0	.1	.1	.7	.5	.5	.6	.0	.0	.0	.0	.0	.0	.0	.8	.6	1.1	.8	.2	.2
40.	.0	.1	.1	.5	.5	.6	.6	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.1	.8	.3	.2
45.	.0	.1	.1	.5	.6	.5	.6	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.2	.8	.4	.1
50.	.0	.1	.1	.4	.6	.5	.6	.0	.0	.0	.0	.0	.0	.0	.7	.5	1.2	.8	.4	.1
55.	.0	.1	.1	.4	.6	.5	.6	.0	.0	.0	.0	.0	.0	.0	.7	.5	1.2	.8	.4	.2
60.	.0	.1	.1	.2	.7	.5	.6	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.4	.8	.4	.3
65.	.0	.0	.1	.3	.8	.5	.8	.0	.0	.0	.0	.0	.0	.0	.7	.7	1.4	.9	.4	.4
70.	.0	.0	.1	.2	.6	.6	.8	.0	.0	.0	.0	.0	.0	.0	.7	.7	1.3	.9	.4	.4
75.	.0	.0	.1	.3	.6	.7	.7	.0	.0	.0	.0	.0	.0	.0	.7	.7	1.3	.9	.4	.5
80.	.0	.0	.0	.3	.6	.7	.7	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.3	.9	.5	.5

85.	*	.0	.0	.0	.2	.7	.7	.7	.2	.0	.0	.0	.0	.0	.0	.7	.8	1.3	.9	.6	.5
90.	*	.0	.0	.0	.1	.7	.6	.5	.3	.0	.1	.0	.0	.0	.0	.7	.8	1.3	.9	.5	.4
95.	*	.0	.0	.0	.1	.5	.4	.4	.3	.2	.2	.0	.0	.0	.0	.7	.8	1.3	1.1	.5	.4
100.	*	.0	.0	.0	.1	.4	.3	.3	.6	.4	.4	.0	.0	.0	.0	.7	1.0	1.3	1.2	.6	.6
105.	*	.0	.0	.0	.0	.2	.3	.2	.7	.4	.4	.2	.0	.0	.0	.7	1.0	1.4	1.3	.8	.4
110.	*	.0	.0	.0	.0	.1	.1	.1	.7	.6	.5	.2	.0	.0	.0	.7	1.1	1.4	1.1	.7	.4
115.	*	.0	.0	.0	.0	.1	.1	.1	.6	.7	.7	.5	.0	.0	.0	.7	1.1	1.4	1.3	.7	.5
120.	*	.0	.0	.0	.0	.1	.1	.0	.7	.7	.8	.6	.0	.0	.0	.8	1.1	1.5	1.2	.7	.5
125.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.9	.7	.2	.0	.1	.8	1.2	1.7	1.3	.7	.6
130.	*	.0	.0	.0	.0	.0	.0	.0	.7	.5	.9	1.0	.3	.0	.1	.9	1.3	1.6	.8	1.0	.5
135.	*	.0	.0	.0	.0	.0	.0	.0	.6	.5	1.1	.9	.3	.1	.1	1.0	1.4	1.8	.7	1.0	.5
140.	*	.0	.0	.0	.0	.0	.0	.0	.6	.5	1.2	.9	.4	.3	.1	1.2	1.6	1.7	.8	.9	.6
145.	*	.1	.0	.0	.0	.0	.0	.0	.5	.5	1.1	.9	.5	.3	.2	1.1	1.4	1.4	1.0	.7	.5
150.	*	.1	.1	.1	.0	.0	.0	.0	.6	.5	1.2	.9	.5	.3	.3	1.1	1.3	1.3	1.0	.7	.4
155.	*	.2	.2	.1	.0	.0	.0	.0	.6	.4	1.2	.8	.6	.5	.5	1.0	1.0	1.2	.9	.5	.4
160.	*	.4	.4	.2	.1	.0	.0	.0	.6	.6	1.1	.9	.8	.6	.8	.9	.9	1.1	.8	.5	.3
165.	*	.5	.4	.5	.2	.0	.0	.0	.5	.6	1.1	1.0	1.0	.7	.9	.7	.5	.9	.7	.4	.3
170.	*	.6	.5	.5	.3	.0	.0	.0	.4	.7	1.0	1.1	.9	1.0	1.0	.6	.5	.6	.5	.4	.3
175.	*	.7	.6	.6	.5	.0	.0	.0	.4	.8	1.0	1.0	.9	1.2	1.0	.4	.3	.4	.5	.3	.3
180.	*	.7	.7	.6	.6	.0	.0	.0	.6	.8	1.2	.9	.9	1.1	1.1	.2	.2	.3	.5	.3	.3
185.	*	.7	.6	.6	.7	.2	.0	.0	.6	.8	1.3	1.0	.9	1.1	.9	.1	.2	.3	.5	.3	.3
190.	*	.8	.6	.9	.7	.2	.0	.0	.6	1.0	1.4	1.1	.9	1.2	.9	.1	.0	.2	.4	.3	.3
195.	*	.7	.6	.9	.7	.2	.1	.0	.6	1.0	1.4	1.0	1.2	1.4	.8	.1	.0	.2	.4	.3	.3
200.	*	.6	.7	1.0	.7	.2	.2	.0	.5	1.2	1.3	.8	1.2	1.4	.7	.1	.0	.2	.3	.3	.3
205.	*	.6	.7	.9	.7	.3	.2	.0	.5	1.3	1.3	.6	1.2	1.4	.7	.1	.0	.0	.3	.3	.3

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JOB: Site 1 Security & Rolling Rd NBAM35 RUN: Site 1 No Build AM 2035

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.5	.5	.8	.7	.2	.2	.0	.5	1.3	1.3	.6	1.1	1.3	.7	.1	.1	.0	.2	.3	.3
215.	*	.5	.5	.9	.7	.2	.2	.0	.5	1.5	1.4	.5	1.1	1.2	.7	.0	.1	.0	.2	.3	.3
220.	*	.6	.6	.9	.7	.3	.2	.0	.5	1.5	1.4	.4	1.2	1.1	.7	.0	.1	.1	.2	.3	.3
225.	*	.6	.6	.9	.7	.3	.1	.0	.5	1.5	1.2	.5	1.2	1.1	.6	.0	.1	.1	.1	.3	.3
230.	*	.5	.5	.9	.7	.3	.1	.0	.6	1.5	1.2	.6	1.2	1.1	.6	.0	.0	.1	.2	.4	.3
235.	*	.5	.5	.9	.8	.3	.2	.0	.6	1.4	1.2	.8	1.2	1.1	.6	.0	.0	.1	.3	.4	.3
240.	*	.6	.5	.9	.8	.3	.2	.0	.7	1.4	1.1	.8	1.1	1.1	.7	.0	.0	.1	.3	.4	.3
245.	*	.6	.5	.9	.8	.3	.2	.0	.8	1.3	1.0	.8	1.0	1.2	.7	.0	.0	.1	.3	.4	.4
250.	*	.5	.5	.9	.8	.3	.2	.0	.7	1.3	1.1	.7	1.1	1.0	.7	.0	.0	.1	.3	.4	.5
255.	*	.5	.5	.9	.7	.3	.2	.1	.7	1.2	1.2	.8	1.1	1.0	.7	.0	.0	.0	.3	.4	.5
260.	*	.5	.5	.9	.6	.3	.2	.2	.7	1.2	1.1	.7	1.1	1.0	.6	.0	.0	.0	.1	.4	.3
265.	*	.5	.4	.9	.7	.3	.2	.2	.8	1.1	1.1	.8	1.0	.9	.6	.0	.0	.0	.1	.4	.3
270.	*	.5	.5	.9	.8	.4	.3	.2	.8	.9	.8	.7	1.0	.9	.6	.0	.0	.0	.1	.4	.3
275.	*	.5	.5	.9	.8	.4	.3	.3	.3	.6	.8	.8	1.0	.9	.6	.0	.0	.0	.1	.4	.4
280.	*	.5	.5	.9	.8	.4	.4	.5	.3	.4	.7	.8	1.0	.8	.6	.0	.0	.0	.1	.4	.4
285.	*	.5	.5	.9	.6	.5	.5	.6	.3	.5	.7	.8	1.1	.7	.7	.0	.0	.0	.1	.4	.4
290.	*	.5	.5	.9	.7	.6	.5	.7	.1	.6	.6	.8	1.2	.6	.7	.0	.0	.0	.0	.3	.3
295.	*	.6	.5	.9	.8	.6	.6	.7	.0	.5	.6	.9	1.2	.8	.7	.1	.0	.0	.0	.2	.2
300.	*	.6	.7	.9	.9	.5	.9	.8	.0	.4	.4	.9	1.2	.9	.8	.1	.0	.0	.0	.1	.1
305.	*	.7	.7	1.0	.8	.8	1.0	.7	.0	.4	.4	1.0	1.2	.8	.9	.1	.0	.0	.0	.1	.1
310.	*	.7	.8	1.2	.6	1.1	.9	.7	.0	.2	.4	.8	1.2	.7	.9	.1	.0	.0	.0	.1	.1
315.	*	.7	.8	1.0	.6	1.2	.9	.6	.0	.0	.4	.7	1.2	.9	.8	.1	.0	.0	.0	.1	.0
320.	*	.6	.8	1.0	.8	1.1	.8	.5	.0	.0	.4	.7	1.0	.8	.8	.1	.1	.1	.0	.1	.0
325.	*	.7	1.0	.9	.8	1.1	.7	.6	.0	.0	.2	.7	1.0	.7	.8	.2	.1	.2	.0	.0	.0
330.	*	.7	.9	1.0	.8	1.1	.7	.6	.0	.0	.0	.7	.9	.6	.8	.3	.2	.2	.0	.0	.0
335.	*	.7	.8	1.0	.9	1.0	.6	.6	.0	.0	.0	.3	.5	.6	.8	.4	.2	.3	.0	.0	.0
340.	*	.6	.8	.9	.8	1.0	.4	.6	.0	.0	.0	.3	.5	.6	.7	.7	.5	.6	.1	.0	.0
345.	*	.6	.4	.6	.5	1.0	.5	.5	.0	.0	.0	.1	.4	.3	.7	.8	.8	.7	.1	.0	.0
350.	*	.3	.5	.6	.5	.8	.5	.5	.0	.0	.0	.0	.3	.2	.2	1.0	.8	1.1	.3	.0	.0
355.	*	.1	.5	.5	.6	.8	.5	.5	.0	.0	.0	.0	.1	.2	.2	1.1	.8	1.0	.4	.1	.0
360.	*	.1	.4	.3	.7	.7	.6	.6	.0	.0	.0	.0	.1	.0	.2	1.0	.9	1.2	.4	.1	.0
MAX	*	.8	1.0	1.2	.9	1.2	1.0	.8	.8	1.5	1.4	1.1	1.2	1.4	1.1	1.2	1.6	1.8	1.3	1.0	.6
DEGR.	*	190	325	310	335	315	305	300	245	215	190	190	195	195	180	140	140	135	125	130	100

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JOB: Site 1 Security & Rolling Rd NBAM35 RUN: Site 1 No Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.2	.3	1.0	.9	1.1	.8	.8
5.	*	.0	.2	.3	1.1	1.0	1.0	.9	.9
10.	*	.0	.2	.3	1.1	.7	.9	1.1	.8
15.	*	.0	.2	.3	1.1	.5	1.2	1.1	.7
20.	*	.0	.2	.4	1.1	.6	1.3	1.1	.7
25.	*	.0	.2	.4	1.1	.7	1.2	1.2	.7
30.	*	.0	.2	.6	1.1	1.0	1.1	1.2	.7
35.	*	.0	.3	.6	1.2	.9	1.0	.9	.7
40.	*	.0	.3	.7	1.2	.9	1.0	.9	.6

45.	*	.0	.2	.7	1.1	.9	1.0	.8	.6
50.	*	.1	.2	.7	1.0	1.0	.9	.7	.6
55.	*	.1	.3	.8	1.0	1.0	.9	.8	.6
60.	*	.1	.2	.7	.9	1.0	.8	.8	.6
65.	*	.0	.2	.8	1.0	1.0	.8	.8	.5
70.	*	.0	.2	.8	1.0	1.0	.8	.7	.6
75.	*	.1	.2	.7	1.0	.9	.8	.7	.6
80.	*	.1	.2	.6	.9	1.0	.8	.7	.6
85.	*	.1	.2	.9	.9	1.0	.7	.6	.6
90.	*	.1	.2	1.0	.8	1.0	.7	.6	.5
95.	*	.2	.2	.8	.7	.8	.7	.7	.6
100.	*	.3	.2	.6	.6	.7	.7	.7	.6
105.	*	.4	.2	.5	.5	.8	.7	.6	.6
110.	*	.4	.1	.3	.4	.7	.7	.5	.7
115.	*	.5	.0	.3	.3	.6	.8	.5	.7
120.	*	.5	.0	.3	.4	.7	.8	.7	.7
125.	*	.4	.0	.2	.4	.7	.9	.7	.7
130.	*	.4	.0	.2	.4	.7	.8	.7	.7
135.	*	.4	.0	.1	.2	.8	.8	.8	.7
140.	*	.4	.0	.1	.2	.8	.9	.8	.8
145.	*	.4	.0	.1	.1	.7	.9	1.0	.9
150.	*	.4	.0	.0	.2	.8	.8	.8	.8
155.	*	.4	.0	.0	.1	.7	.7	.8	.8
160.	*	.4	.0	.0	.0	.5	.7	.8	.6
165.	*	.4	.0	.0	.0	.3	.6	.5	.5
170.	*	.2	.0	.0	.0	.3	.4	.3	.4
175.	*	.2	.0	.0	.0	.1	.3	.3	.3
180.	*	.2	.0	.0	.0	.1	.2	.2	.1
185.	*	.2	.0	.0	.0	.0	.1	.1	.1
190.	*	.4	.0	.0	.0	.0	.1	.1	.1
195.	*	.4	.0	.0	.0	.0	.1	.0	.1
200.	*	.4	.0	.0	.0	.0	.0	.0	.0
205.	*	.3	.0	.0	.0	.0	.0	.0	.0

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JOB: Site 1 Security & Rolling Rd NBAM35 RUN: Site 1 No Build AM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.4	.0	.0	.0	.0	.0	.0	.0
245.	*	.4	.0	.0	.0	.0	.0	.0	.0
250.	*	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.4	.0	.0	.0	.0	.0	.0	.0
260.	*	.5	.0	.0	.0	.0	.0	.0	.0
265.	*	.4	.0	.0	.0	.0	.0	.0	.0
270.	*	.4	.0	.0	.0	.0	.0	.0	.0
275.	*	.4	.0	.0	.0	.0	.0	.0	.0
280.	*	.4	.1	.1	.1	.0	.0	.0	.0
285.	*	.3	.1	.1	.1	.0	.0	.0	.0
290.	*	.3	.2	.1	.1	.0	.0	.0	.0
295.	*	.2	.2	.1	.1	.0	.0	.0	.0
300.	*	.2	.3	.2	.3	.1	.0	.0	.0
305.	*	.2	.3	.3	.3	.2	.0	.0	.0
310.	*	.0	.3	.2	.4	.2	.0	.0	.1
315.	*	.0	.3	.2	.4	.2	.1	.0	.1
320.	*	.0	.4	.2	.4	.3	.2	.1	.1
325.	*	.0	.3	.2	.5	.3	.2	.1	.1
330.	*	.0	.2	.2	.5	.4	.3	.2	.3
335.	*	.0	.2	.2	.6	.5	.3	.4	.4
340.	*	.0	.2	.2	.5	.7	.6	.4	.4
345.	*	.0	.2	.2	.6	.8	.9	.6	.7
350.	*	.0	.2	.2	.7	.9	.8	.9	.9
355.	*	.0	.2	.2	.7	1.0	.9	.8	.9
360.	*	.0	.2	.3	1.0	.9	1.1	.8	.8
MAX	*	.5	.4	1.0	1.2	1.0	1.3	1.2	.9
DEGR.	*	115	320	90	35	5	20	25	145

THE HIGHEST CONCENTRATION IS 1.80 PPM AT 135 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS 1.60 PPM AT 140 DEGREES FROM REC16.
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 215 DEGREES FROM REC9 .

```
Site 1 Security & Rolling Rd NBPM21     60.0321.0.0000.000280.30480000    1    1
SE MID S                 1299.      511.       5.0
SE 164 S                 1248.      695.       5.0
SE 82 S                  1226.      773.       5.0
SE CNR                   1221.      872.       5.0
SE 82 E                  1320.      889.       5.0
SE 164 E                 1401.      871.       5.0
SE MID E                 1598.      845.       5.0
NE MID E                 1533.      984.       5.0
NE 164 E                 1327.     1024.       5.0
NE 82 E                  1245.     1044.       5.0
NE CNR                   1168.     1085.       5.0
NE 82 N                  1108.     1174.       5.0
NE 164 N                 1082.     1252.       5.0
NE MID N                 1001.     1456.       5.0
NW MID N                  932.     1430.       5.0
NW 164 N                  974.     1289.       5.0
NW 82 N                  1000.     1211.       5.0
NW CNR                    986.     1122.       5.0
NW 82 W                   899.     1115.       5.0
NW 164 W                  820.     1138.       5.0
NW MID W                  610.     1193.       5.0
SW MID W                  658.     1066.       5.0
SW 164 W                  891.     1003.       5.0
SW 82 W                   971.      980.       5.0
SW CNR                   1084.      889.       5.0
SW 82 S                  1120.      798.       5.0
SW 164 S                 1141.      719.       5.0
SW MID S                 1214.      475.       5.0
Site 1 No Build PM 2021                  70  1   0
  1
EB        Sec ap    AG   139.  1226.   392.  1160.   1010. 8.3   0  44   40.
  1
EB        Sec ap    AG   392.  1160.   603.  1116.   1010. 8.3   0  44   40.
  1
EB        Sec thru  AG   603.  1116.  1120.   976.    670. 8.3   0  44   40.
  2
EB        Sec thru  AG  1054.   994.   814.  1059.      0.  24   2
       140       107       2.0  670   43.6 1770 1 3
  1
EB        Sec left  AG   603.  1116.   738.  1096.    220. 8.3   0  32   40.
  1
EB        Sec left  AG   738.  1096.  1122.   994.    220. 8.3   0  32   40.
  2
EB        Sec left  AG  1051.  1013.   827.  1072.      0.  12   1
       140       119       2.0  220   43.6 1770 1 3
  1
EB        Sec right AG   603.  1116.   722.  1067.    120. 8.3   0  32   40.
  1
EB        Sec right AG   722.  1067.   986.   995.    120. 8.3   0  32   40.
  1
EB        Sec right AG   986.   995.  1070.   942.    120. 8.3   0  32   40.
  2
EB        Sec right AG  1062.   947.   993.   990.      0.  12   1
       140       107       2.0  120   43.6 1583 1 3
  1
EB        Sec right AG  1070.   942.  1123.   878.    120. 8.3   0  32   40.
  1
EB        Sec dep1  AG  1120.   976.  1367.   908.   1085. 8.3   0  44   40.
  1
EB        Sec dep2  AG  1367.   908.  1569.   880.   1485. 8.3   0  56   40.
  1
EB        Sec dep2  AG  1569.   880.  1751.   864.   1485. 8.3   0  56   40.
  1
EB        Sec dep2  AG  1751.   864.  1949.   867.   1485. 8.3   0  56   40.
  1
EB        Sec dep2  AG  1949.   867.  2104.   870.   1485. 8.3   0  56   40.
  1
WB        Sec ap    AG  2109.   937.  1863.   925.   1590. 8.3   0  56   40.
  1
WB        Sec ap    AG  1863.   925.  1647.   933.   1590. 8.3   0  56   40.
  1
WB        Sec ap    AG  1647.   933.  1496.   952.   1590. 8.3   0  56   40.
  1
WB        Sec thru  AG  1496.   952.  1098.  1043.    430. 8.3   0  44   40.
  2
WB        Sec thru  AG  1165.  1028.  1424.   969.      0.  24   2
       140        98       2.0  430   43.6 1873 1 3
  1
WB        Sec left  AG  1496.   952.  1348.   958.    620. 8.3   0  44   40.
  1
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WB        Sec left  AG  1348.   958.  1096.  1019.    620. 8.3   0  44   40.
  2
WB        Sec left  AG  1172.  1000.  1333.   962.      0.  24   2
       140       109       2.0  620   43.6 1817 1 3
  1
WB        Sec right AG  1496.   952.  1392.   991.    540. 8.3   0  32   40.
  1
WB        Sec right AG  1392.   991.  1214.  1033.    540. 8.3   0  32   40.
  1
WB        Sec right AG  1214.  1033.  1153.  1068.    540. 8.3   0  32   40.
  1
WB        Sec right AG  1153.  1068.  1100.  1119.    540. 8.3   0  32   40.
  1
WB        Sec d1    AG  1098.  1043.   922.  1086.    465. 8.3   0  56   40.
  1
WB        Sec d2    AG   922.  1086.   745.  1132.    590. 8.3   0  56   40.
  1
WB        Sec d2    AG   745.  1132.   568.  1184.    590. 8.3   0  44   40.
  1
WB        Sec d2    AG   568.  1184.   159.  1294.    590. 8.3   0  44   40.
  1
NB        Rol ap    AG  1435.    51.  1353.   250.   1305. 8.5   0  44   45.
  1
NB        Rol ap    AG  1353.   250.  1279.   490.   1305. 8.5   0  44   45.
  1
NB        Rol ap    AG  1279.   490.  1215.   701.   1305. 8.5   0  44   45.
  1
NB        Rol thru  AG  1215.   701.  1133.   990.    870. 8.5   0  44   45.
  2
NB        Rol thru  AG  1153.   919.  1208.   726.      0.  24   2
       140        95       2.0  870   43.6 1910 1 3
  1
NB        Rol left  AG  1215.   701.  1174.   783.     35. 8.5   0  32   45.
  1
NB        Rol left  AG  1174.   783.  1111.   999.     35. 8.5   0  32   45.
  2
NB        Rol left  AG  1133.   924.  1171.   792.      0.  12   1
       140       132       2.0   35   43.6 1909 1 3
  1
NB        Rol right AG  1208.   726.  1194.   865.    400. 8.5   0  32   45.
  1
NB        Rol right AG  1194.   865.  1226.   908.    400. 8.5   0  32   45.
  1
NB        Rol right AG  1226.   908.  1288.   919.    400. 8.5   0  32   45.
  1
NB        Rol right AG  1288.   919.  1367.   908.    400. 8.5   0  32   45.
  1
NB        Rol dep1  AG  1133.   990.  1100.  1119.   1090. 8.5   0  44   45.
  1
NB        Rol dep2  AG  1100.  1119.  1038.  1302.   1630. 8.5   0  44   45.
  1
NB        Rol dep2  AG  1038.  1302.   960.  1501.   1630. 8.5   0  44   45.
  1
NB        Rol dep2  AG   960.  1501.   907.  1687.   1630. 8.5   0  44   45.
  1
NB        Rol dep2  AG   907.  1687.   877.  1869.   1630. 8.5   0  44   45.
  1
NB        Rol dep2  AG   877.  1869.   870.  1967.   1630. 8.5   0  44   45.
  1
SB        Rol ap    AG   842.  1958.   851.  1852.   1170. 8.5   0  44   45.
  1
SB        Rol ap    AG   851.  1852.   876.  1698.   1170. 8.5   0  44   45.
  1
SB        Rol ap    AG   876.  1698.   915.  1552.   1170. 8.5   0  44   45.
  1
SB        Rol ap    AG   915.  1552.   988.  1331.   1170. 8.5   0  44   45.
  1
SB        Rol thru  AG   988.  1331.  1084.  1021.    630. 8.5   0  44   45.
  2
SB        Rol thru  AG  1065.  1084.  1002.  1288.      0.  24   2
       140        83       2.0  630   43.6 1910 1 3
  1
SB        Rol left  AG   988.  1331.  1038.  1230.    415. 8.5   0  44   45.
  1
SB        Rol left  AG  1038.  1230.  1106.  1025.    415. 8.5   0  44   45.
  2
SB        Rol left  AG  1088.  1079.  1040.  1223.      0.  24   2
       140       121       2.0  415   43.6 1852 1 3
  1
SB        Rol right AG   988.  1331.  1027.  1165.    125. 8.5   0  32   45.
  1
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SB        Rol right AG  1027.  1165.  1014.  1119.    125. 8.5   0  32   45.
  1
SB        Rol right AG  1014.  1119.   973.  1089.    125. 8.5   0  32   45.
  2
SB        Rol right AG   980.  1095.  1013.  1118.      0.  12   1
       140        83       2.0  125   43.6 1708 1 3
  1
SB        Rol right AG   973.  1089.   922.  1086.    125. 8.5   0  32   45.
  1
SB        Rol dep1  AG  1084.  1021.  1119.   882.   1250. 8.5   0  44   45.
  1
SB        Rol dep2  AG  1123.   878.  1195.   618.   1370. 8.5   0  44   45.
  1
SB        Rol dep2  AG  1195.   618.  1278.   344.   1370. 8.5   0  44   45.
  1
SB        Rol dep2  AG  1278.   344.  1338.   172.   1370. 8.5   0  44   45.
  1
SB        Rol dep2  AG  1338.   172.  1396.    37.   1370. 8.5   0  44   45.
1.0   04  1000   0Y  5  0 72
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JOB: Site 1 Security & Rolling Rd NBPM21 RUN: Site 1 No Build PM 2021
DATE: 09/05/2012 TIME: 15:00:07.35

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Sec ap	139.0	1226.0	392.0	1160.0	261.	105.	AG	1010.	8.3	.0	44.0		
2. EB	Sec ap	392.0	1160.0	603.0	1116.0	216.	102.	AG	1010.	8.3	.0	44.0		
3. EB	Sec thru	603.0	1116.0	1120.0	976.0	536.	105.	AG	670.	8.3	.0	44.0		
4. EB	Sec thru	1054.0	994.0	824.2	1056.2	238.	285.	AG	179.	100.0	.0	24.0	.92	12.1
5. EB	Sec left	603.0	1116.0	738.0	1096.0	136.	98.	AG	220.	8.3	.0	32.0		
6. EB	Sec left	738.0	1096.0	1122.0	994.0	397.	105.	AG	220.	8.3	.0	32.0		
7. EB	Sec left	1051.0	1013.0	784.8	1083.1	275.	285.	AG	99.	100.0	.0	12.0	1.03	14.0
8. EB	Sec right	603.0	1116.0	722.0	1067.0	129.	112.	AG	120.	8.3	.0	32.0		
9. EB	Sec right	722.0	1067.0	986.0	995.0	274.	105.	AG	120.	8.3	.0	32.0		
10. EB	Sec right	986.0	995.0	1070.0	942.0	99.	122.	AG	120.	8.3	.0	32.0		
11. EB	Sec right	1062.0	947.0	1002.4	984.1	70.	302.	AG	89.	100.0	.0	12.0	.37	3.6
12. EB	Sec right	1070.0	942.0	1123.0	878.0	83.	140.	AG	120.	8.3	.0	32.0		
13. EB	Sec dep1	1120.0	976.0	1367.0	908.0	256.	105.	AG	1085.	8.3	.0	44.0		
14. EB	Sec dep2	1367.0	908.0	1569.0	880.0	204.	98.	AG	1485.	8.3	.0	56.0		
15. EB	Sec dep2	1569.0	880.0	1751.0	864.0	183.	95.	AG	1485.	8.3	.0	56.0		
16. EB	Sec dep2	1751.0	864.0	1949.0	867.0	198.	89.	AG	1485.	8.3	.0	56.0		
17. EB	Sec dep2	1949.0	867.0	2104.0	870.0	155.	89.	AG	1485.	8.3	.0	56.0		
18. WB	Sec ap	2109.0	937.0	1863.0	925.0	246.	267.	AG	1590.	8.3	.0	56.0		
19. WB	Sec ap	1863.0	925.0	1647.0	933.0	216.	272.	AG	1590.	8.3	.0	56.0		
20. WB	Sec ap	1647.0	933.0	1496.0	952.0	152.	277.	AG	1590.	8.3	.0	56.0		
21. WB	Sec thru	1496.0	952.0	1098.0	1043.0	408.	283.	AG	430.	8.3	.0	44.0		
22. WB	Sec thru	1165.0	1028.0	1277.3	1002.4	115.	103.	AG	164.	100.0	.0	24.0	.42	5.9
23. WB	Sec left	1496.0	952.0	1348.0	958.0	148.	272.	AG	620.	8.3	.0	44.0		
24. WB	Sec left	1348.0	958.0	1096.0	1019.0	259.	284.	AG	620.	8.3	.0	44.0		
25. WB	Sec left	1172.0	1000.0	1382.0	950.4	216.	103.	AG	182.	100.0	.0	24.0	.89	11.0
26. WB	Sec right	1496.0	952.0	1392.0	991.0	111.	291.	AG	540.	8.3	.0	32.0		
27. WB	Sec right	1392.0	991.0	1214.0	1033.0	183.	283.	AG	540.	8.3	.0	32.0		
28. WB	Sec right	1214.0	1033.0	1153.0	1068.0	70.	300.	AG	540.	8.3	.0	32.0		
29. WB	Sec right	1153.0	1068.0	1100.0	1119.0	74.	314.	AG	540.	8.3	.0	32.0		
30. WB	Sec d1	1098.0	1043.0	922.0	1086.0	181.	284.	AG	465.	8.3	.0	56.0		
31. WB	Sec d2	922.0	1086.0	745.0	1132.0	183.	285.	AG	590.	8.3	.0	56.0		
32. WB	Sec d2	745.0	1132.0	568.0	1184.0	184.	286.	AG	590.	8.3	.0	44.0		
33. WB	Sec d2	568.0	1184.0	159.0	1294.0	424.	285.	AG	590.	8.3	.0	44.0		
34. NB	Rol ap	1435.0	51.0	1353.0	250.0	215.	338.	AG	1305.	8.5	.0	44.0		
35. NB	Rol ap	1353.0	250.0	1279.0	490.0	251.	343.	AG	1305.	8.5	.0	44.0		
36. NB	Rol ap	1279.0	490.0	1215.0	701.0	220.	343.	AG	1305.	8.5	.0	44.0		
37. NB	Rol thru	1215.0	701.0	1133.0	990.0	300.	344.	AG	870.	8.5	.0	44.0		
38. NB	Rol thru	1153.0	919.0	1215.7	699.0	229.	164.	AG	159.	100.0	.0	24.0	.78	11.6
39. NB	Rol left	1215.0	701.0	1174.0	783.0	92.	333.	AG	35.	8.5	.0	32.0		
40. NB	Rol left	1174.0	783.0	1111.0	999.0	225.	344.	AG	35.	8.5	.0	32.0		
41. NB	Rol left	1133.0	924.0	1140.9	896.5	29.	164.	AG	110.	100.0	.0	12.0	.65	1.5
42. NB	Rol right	1208.0	726.0	1194.0	865.0	140.	354.	AG	400.	8.5	.0	32.0		
43. NB	Rol right	1194.0	865.0	1226.0	908.0	54.	37.	AG	400.	8.5	.0	32.0		
44. NB	Rol right	1226.0	908.0	1288.0	919.0	63.	80.	AG	400.	8.5	.0	32.0		

JOB: Site 1 Security & Rolling Rd NBPM21 RUN: Site 1 No Build PM 2021
DATE: 09/05/2012 TIME: 15:00:07.35

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. NB	Rol right	1288.0	919.0	1367.0	908.0	80.	98.	AG	400.	8.5	.0	32.0		
46. NB	Rol dep1	1133.0	990.0	1100.0	1119.0	133.	346.	AG	1090.	8.5	.0	44.0		
47. NB	Rol dep2	1100.0	1119.0	1038.0	1302.0	193.	341.	AG	1630.	8.5	.0	44.0		
48. NB	Rol dep2	1038.0	1302.0	960.0	1501.0	214.	339.	AG	1630.	8.5	.0	44.0		
49. NB	Rol dep2	960.0	1501.0	907.0	1687.0	193.	344.	AG	1630.	8.5	.0	44.0		
50. NB	Rol dep2	907.0	1687.0	877.0	1869.0	184.	351.	AG	1630.	8.5	.0	44.0		
51. NB	Rol dep2	877.0	1869.0	870.0	1967.0	98.	356.	AG	1630.	8.5	.0	44.0		
52. SB	Rol ap	842.0	1958.0	851.0	1852.0	106.	175.	AG	1170.	8.5	.0	44.0		
53. SB	Rol ap	851.0	1852.0	876.0	1698.0	156.	171.	AG	1170.	8.5	.0	44.0		
54. SB	Rol ap	876.0	1698.0	915.0	1552.0	151.	165.	AG	1170.	8.5	.0	44.0		
55. SB	Rol ap	915.0	1552.0	988.0	1331.0	233.	162.	AG	1170.	8.5	.0	44.0		
56. SB	Rol thru	988.0	1331.0	1084.0	1021.0	325.	163.	AG	630.	8.5	.0	44.0		
57. SB	Rol thru	1065.0	1084.0	1022.8	1220.6	143.	343.	AG	139.	100.0	.0	24.0	.44	7.3
58. SB	Rol left	988.0	1331.0	1038.0	1230.0	113.	154.	AG	415.	8.5	.0	44.0		
59. SB	Rol left	1038.0	1230.0	1106.0	1025.0	216.	162.	AG	415.	8.5	.0	44.0		
60. SB	Rol left	1088.0	1079.0	994.1	1360.8	297.	342.	AG	202.	100.0	.0	24.0	1.05	15.1
61. SB	Rol right	988.0	1331.0	1027.0	1165.0	171.	167.	AG	125.	8.5	.0	32.0		
62. SB	Rol right	1027.0	1165.0	1014.0	1119.0	48.	196.	AG	125.	8.5	.0	32.0		
63. SB	Rol right	1014.0	1119.0	973.0	1089.0	51.	234.	AG	125.	8.5	.0	32.0		
64. SB	Rol right	980.0	1095.0	1026.5	1127.4	57.	55.	AG	69.	100.0	.0	12.0	.19	2.9
65. SB	Rol right	973.0	1089.0	922.0	1086.0	51.	267.	AG	125.	8.5	.0	32.0		

66. SB	Rol dep1	*	1084.0	1021.0	1119.0	882.0	*	143.	166. AG	1250.	8.5	.0	44.0
67. SB	Rol dep2	*	1123.0	878.0	1195.0	618.0	*	270.	165. AG	1370.	8.5	.0	44.0
68. SB	Rol dep2	*	1195.0	618.0	1278.0	344.0	*	286.	163. AG	1370.	8.5	.0	44.0
69. SB	Rol dep2	*	1278.0	344.0	1338.0	172.0	*	182.	161. AG	1370.	8.5	.0	44.0
70. SB	Rol dep2	*	1338.0	172.0	1396.0	37.0	*	147.	157. AG	1370.	8.5	.0	44.0

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JOB: Site 1 Security & Rolling Rd NBPM21 RUN: Site 1 No Build PM 2021
DATE: 09/05/2012 TIME: 15:00:07.35

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB	Sec thru	*	140	107	2.0	670	1770	43.60	1	3
7. EB	Sec left	*	140	119	2.0	220	1770	43.60	1	3
11. EB	Sec right	*	140	107	2.0	120	1583	43.60	1	3
22. WB	Sec thru	*	140	98	2.0	430	1873	43.60	1	3
25. WB	Sec left	*	140	109	2.0	620	1817	43.60	1	3
38. NB	Rol thru	*	140	95	2.0	870	1910	43.60	1	3
41. NB	Rol left	*	140	132	2.0	35	1909	43.60	1	3
57. SB	Rol thru	*	140	83	2.0	630	1910	43.60	1	3
60. SB	Rol left	*	140	121	2.0	415	1852	43.60	1	3
64. SB	Rol right	*	140	83	2.0	125	1708	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1299.0	511.0	5.0	*
2. SE 164 S	*	1248.0	695.0	5.0	*
3. SE 82 S	*	1226.0	773.0	5.0	*
4. SE CNR	*	1221.0	872.0	5.0	*
5. SE 82 E	*	1320.0	889.0	5.0	*
6. SE 164 E	*	1401.0	871.0	5.0	*
7. SE MID E	*	1598.0	845.0	5.0	*
8. NE MID E	*	1533.0	984.0	5.0	*
9. NE 164 E	*	1327.0	1024.0	5.0	*
10. NE 82 E	*	1245.0	1044.0	5.0	*
11. NE CNR	*	1168.0	1085.0	5.0	*
12. NE 82 N	*	1108.0	1174.0	5.0	*
13. NE 164 N	*	1082.0	1252.0	5.0	*
14. NE MID N	*	1001.0	1456.0	5.0	*
15. NW MID N	*	932.0	1430.0	5.0	*
16. NW 164 N	*	974.0	1289.0	5.0	*
17. NW 82 N	*	1000.0	1211.0	5.0	*
18. NW CNR	*	986.0	1122.0	5.0	*
19. NW 82 W	*	899.0	1115.0	5.0	*
20. NW 164 W	*	820.0	1138.0	5.0	*
21. NW MID W	*	610.0	1193.0	5.0	*
22. SW MID W	*	658.0	1066.0	5.0	*
23. SW 164 W	*	891.0	1003.0	5.0	*
24. SW 82 W	*	971.0	980.0	5.0	*
25. SW CNR	*	1084.0	889.0	5.0	*
26. SW 82 S	*	1120.0	798.0	5.0	*
27. SW 164 S	*	1141.0	719.0	5.0	*
28. SW MID S	*	1214.0	475.0	5.0	*

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JOB: Site 1 Security & Rolling Rd NBPM21 RUN: Site 1 No Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.2	.4	.3	.7	.7	.6	.6	.0	.0	.0	.0	.1	.2	.2	.9	.8	1.1	.5	.1	.0
5.	.1	.2	.3	.7	.8	.6	.6	.0	.0	.0	.0	.1	.0	.1	1.0	.9	1.2	.6	.2	.0
10.	.1	.2	.3	.7	.7	.5	.6	.0	.0	.0	.0	.1	.0	.1	.7	.9	1.2	.6	.2	.0
15.	.0	.2	.2	.8	.7	.5	.6	.0	.0	.0	.0	.0	.0	.1	.7	.9	1.1	.7	.3	.1
20.	.0	.2	.2	.8	.6	.5	.6	.0	.0	.0	.0	.0	.0	.1	.8	1.0	.9	.7	.3	.2
25.	.0	.1	.2	.8	.7	.5	.6	.0	.0	.0	.0	.0	.0	.1	.7	.9	1.0	.8	.2	.2
30.	.0	.1	.2	.7	.7	.5	.6	.0	.0	.0	.0	.0	.0	.0	.7	1.0	1.0	.8	.2	.2
35.	.0	.1	.2	.7	.6	.5	.6	.0	.0	.0	.0	.0	.0	.0	.8	1.0	1.0	.8	.4	.3
40.	.0	.1	.2	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.7	1.1	.9	.8	.4	.2
45.	.0	.1	.2	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.6	1.0	1.0	.9	.4	.2
50.	.0	.1	.1	.5	.6	.5	.6	.0	.0	.0	.0	.0	.0	.0	.6	1.0	1.1	.9	.5	.2
55.	.0	.1	.1	.4	.6	.5	.6	.0	.0	.0	.0	.0	.0	.0	.6	.9	1.1	.9	.5	.2
60.	.0	.1	.1	.2	.8	.5	.6	.0	.0	.0	.0	.0	.0	.0	.6	.9	1.0	.9	.5	.2
65.	.0	.0	.1	.3	.7	.6	.8	.0	.0	.0	.0	.0	.0	.0	.6	1.0	1.1	.9	.5	.2
70.	.0	.0	.1	.3	.7	.7	.8	.0	.0	.0	.0	.0	.0	.0	.7	1.0	1.2	1.0	.5	.3
75.	.0	.0	.1	.4	.7	.8	.7	.0	.0	.0	.0	.0	.0	.0	.6	1.0	1.2	1.0	.5	.3
80.	.0	.0	.1	.3	.7	.8	.7	.0	.0	.0	.0	.0	.0	.0	.6	.9	1.3	.9	.5	.3

85.	*	.0	.0	.0	.3	.7	.7	.7	.2	.0	.1	.0	.0	.0	.0	.6	1.0	1.3	.8	.4	.4
90.	*	.0	.0	.0	.1	.7	.8	.5	.3	.1	.1	.0	.0	.0	.0	.6	1.0	1.3	.9	.6	.4
95.	*	.0	.0	.0	.1	.5	.4	.4	.4	.3	.1	.0	.0	.0	.0	.6	.9	1.4	.9	.5	.3
100.	*	.0	.0	.0	.1	.4	.4	.3	.6	.3	.3	.0	.0	.0	.0	.6	.9	1.4	1.1	.7	.3
105.	*	.0	.0	.0	.1	.3	.3	.2	.7	.5	.4	.1	.0	.0	.0	.6	.9	1.4	1.1	.5	.4
110.	*	.0	.0	.0	.0	.1	.1	.1	.7	.8	.6	.4	.0	.0	.1	.7	1.0	1.4	1.1	.5	.6
115.	*	.0	.0	.0	.0	.1	.1	.1	.7	.8	.6	.5	.0	.0	.1	.7	1.0	1.3	1.2	.5	.7
120.	*	.0	.0	.0	.0	.1	.1	.0	.7	.8	.7	.6	.1	.0	.1	.8	1.1	1.4	1.2	.8	.6
125.	*	.0	.0	.0	.0	.0	.0	.0	.7	.8	.8	.9	.1	.0	.1	.8	1.2	1.5	1.1	.7	.6
130.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.8	1.0	.2	.1	.1	1.0	1.3	1.7	1.0	.8	.6
135.	*	.0	.0	.0	.0	.0	.0	.0	.6	.7	1.1	1.0	.2	.2	.1	1.0	1.3	1.8	1.0	.8	.6
140.	*	.1	.0	.0	.0	.0	.0	.0	.6	.7	1.1	1.0	.4	.2	.2	1.1	1.2	1.5	.9	.8	.7
145.	*	.1	.1	.0	.0	.0	.0	.0	.6	.7	1.2	.9	.5	.3	.4	1.1	1.3	1.4	.9	.8	.7
150.	*	.1	.1	.1	.0	.0	.0	.0	.6	.7	1.1	.9	.6	.5	.5	1.1	1.0	1.4	1.0	.8	.6
155.	*	.2	.2	.1	.0	.0	.0	.0	.6	.7	1.1	1.0	.8	.6	.7	1.1	.9	1.3	1.0	.6	.6
160.	*	.4	.3	.3	.1	.0	.0	.0	.6	1.0	1.1	1.0	1.0	.9	.8	1.0	.7	.8	.9	.5	.6
165.	*	.5	.5	.6	.3	.0	.0	.0	.6	.9	1.2	1.1	1.1	.8	1.2	.8	.5	.8	.8	.5	.6
170.	*	.7	.5	.6	.4	.0	.0	.0	.6	.8	1.2	1.2	1.1	1.2	1.3	.5	.4	.3	.7	.5	.6
175.	*	.8	.6	.6	.6	.0	.0	.0	.6	.7	1.3	1.0	1.1	1.3	1.3	.3	.3	.3	.6	.5	.5
180.	*	.7	.7	.7	.7	.0	.0	.0	.6	.8	1.3	1.0	1.2	1.3	1.4	.2	.2	.3	.6	.6	.5
185.	*	.7	.6	.9	.7	.2	.0	.0	.6	.8	1.5	1.1	1.1	1.3	1.2	.2	.1	.2	.6	.6	.5
190.	*	.8	.6	1.0	.8	.2	.0	.0	.6	.8	1.5	1.1	1.1	1.4	1.2	.2	.1	.2	.6	.6	.5
195.	*	.8	.6	1.0	.8	.2	.1	.0	.6	.9	1.5	1.0	1.3	1.4	1.0	.1	.1	.2	.6	.6	.4
200.	*	.6	.7	1.1	.8	.2	.2	.0	.6	1.0	1.5	.8	1.2	1.4	.9	.0	.1	.2	.6	.6	.4
205.	*	.6	.7	1.0	.8	.3	.2	.0	.5	1.0	1.5	.7	1.2	1.4	.8	.0	.1	.2	.6	.6	.4

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JOB: Site 1 Security & Rolling Rd NBPM21 RUN: Site 1 No Build PM 2021

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.6	.6	.9	.8	.3	.2	.0	.5	1.1	1.4	.6	1.2	1.4	.7	.0	.1	.2	.5	.6	.4
215.	*	.6	.6	.9	.8	.3	.2	.0	.5	1.1	1.4	.7	1.4	1.5	.7	.0	.0	.2	.5	.6	.4
220.	*	.6	.5	.9	.8	.3	.1	.0	.5	1.1	1.4	.8	1.5	1.4	.7	.0	.0	.2	.5	.6	.3
225.	*	.6	.6	.9	.8	.3	.1	.0	.6	1.2	1.2	.8	1.5	1.3	.7	.0	.0	.2	.5	.6	.3
230.	*	.5	.5	.9	.9	.3	.2	.0	.5	1.2	1.2	.8	1.5	1.3	.6	.0	.0	.1	.5	.5	.3
235.	*	.6	.5	.9	.9	.3	.2	.0	.8	1.1	1.2	.7	1.5	1.2	.7	.0	.0	.1	.5	.5	.3
240.	*	.6	.5	.9	.9	.3	.2	.0	.7	1.2	1.2	.7	1.5	1.0	.7	.0	.0	.1	.6	.5	.3
245.	*	.6	.5	.9	.9	.3	.3	.0	.9	1.2	1.4	1.0	1.6	1.1	.7	.0	.0	.0	.5	.5	.3
250.	*	.5	.5	.9	.9	.3	.3	.0	.8	1.1	1.2	1.0	1.5	1.1	.7	.0	.0	.0	.4	.4	.3
255.	*	.6	.5	.9	.7	.3	.3	.0	.7	1.2	1.2	1.1	1.3	1.1	.7	.0	.0	.0	.4	.4	.3
260.	*	.6	.6	.9	.7	.3	.3	.2	.6	1.2	1.1	1.0	1.2	1.0	.7	.0	.0	.0	.4	.4	.4
265.	*	.5	.7	.9	.7	.3	.3	.2	.7	1.1	1.0	1.1	1.2	1.0	.6	.0	.0	.0	.2	.3	.5
270.	*	.5	.7	.9	.8	.3	.4	.3	.8	1.1	.8	1.3	1.2	1.0	.6	.0	.0	.0	.1	.3	.3
275.	*	.6	.7	.9	.8	.4	.4	.3	.5	1.0	.9	1.0	1.2	1.0	.6	.0	.0	.0	.1	.3	.3
280.	*	.6	.7	.9	.8	.5	.6	.6	.4	.8	.7	1.0	1.2	1.0	.7	.0	.0	.0	.1	.2	.2
285.	*	.6	.8	.9	.8	.8	.5	.6	.3	.5	.6	.8	1.3	1.0	.7	.0	.0	.0	.0	.2	.2
290.	*	.6	.7	.9	.8	.7	.6	.6	.1	.5	.6	.9	1.3	1.1	.7	.0	.0	.0	.0	.2	.2
295.	*	.6	.8	.9	.9	.8	.9	.8	.1	.4	.7	.9	1.2	1.2	.8	.0	.0	.0	.0	.1	.1
300.	*	.6	.9	1.1	.9	.8	1.0	.6	.1	.3	.7	1.0	1.2	1.3	.8	.0	.0	.0	.0	.1	.1
305.	*	.7	.9	1.1	1.0	1.1	1.0	.8	.1	.2	.5	1.0	1.2	1.3	.8	.0	.0	.0	.0	.1	.0
310.	*	.8	1.0	1.3	.8	1.0	1.0	.6	.0	.2	.4	1.0	1.3	1.2	1.0	.1	.0	.0	.0	.1	.0
315.	*	.7	1.1	1.2	.9	1.0	1.2	.5	.0	.2	.3	.8	1.3	1.0	1.0	.1	.0	.0	.0	.0	.0
320.	*	.7	1.2	1.1	.7	1.0	1.1	.5	.0	.1	.3	.8	1.3	1.1	.9	.1	.0	.0	.0	.0	.0
325.	*	.8	1.2	1.2	.9	1.2	1.0	.7	.0	.0	.3	.5	1.1	1.1	.9	.1	.1	.0	.0	.0	.0
330.	*	.9	1.1	1.1	.9	1.1	.7	.6	.0	.0	.3	.6	1.0	1.0	1.0	.2	.1	.2	.0	.0	.0
335.	*	.7	1.0	.9	.9	1.1	.8	.6	.0	.0	.0	.4	1.1	.9	.9	.4	.2	.2	.0	.0	.0
340.	*	.7	.8	.8	.8	1.0	.7	.6	.0	.0	.0	.3	.8	.7	.8	.5	.4	.5	.0	.0	.0
345.	*	.6	.8	.8	.8	.9	.6	.6	.0	.0	.0	.2	.5	.5	.6	.6	.5	.6	.2	.0	.0
350.	*	.3	.5	.7	.7	.9	.6	.6	.0	.0	.0	.0	.3	.2	.5	.8	.6	.9	.3	.0	.0
355.	*	.4	.4	.6	.7	.7	.6	.6	.0	.0	.0	.0	.3	.2	.2	.8	.8	1.0	.4	.0	.0
360.	*	.2	.4	.3	.7	.7	.6	.6	.0	.0	.0	.0	.1	.2	.2	.9	.8	1.1	.5	.1	.0
MAX	*	.9	1.2	1.3	1.0	1.2	1.2	.8	.9	1.2	1.5	1.3	1.6	1.5	1.4	1.1	1.3	1.8	1.2	.8	.7
DEGR.	*	330	320	310	305	325	315	305	245	225	185	270	245	215	180	140	130	135	115	120	115

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JOB: Site 1 Security & Rolling Rd NBPM21 RUN: Site 1 No Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.3	.8	1.0	1.0	1.1	.9	.9
5.	*	.0	.3	.8	1.2	.8	1.0	1.0	.9
10.	*	.0	.3	1.0	1.4	.7	.8	1.0	.9
15.	*	.0	.3	1.0	1.3	.6	1.0	1.1	.7
20.	*	.0	.3	.9	1.3	.6	1.1	1.1	.7
25.	*	.0	.3	1.0	1.3	.8	1.0	1.2	.7
30.	*	.0	.3	1.0	1.2	.9	1.0	1.0	.6
35.	*	.0	.3	1.1	1.3	.8	1.0	1.0	.6
40.	*	.0	.3	1.1	1.2	.8	.9	1.0	.6

45.	*	.0	.3	1.1	1.3	.8	.9	.9	.6
50.	*	.0	.2	1.1	1.1	.9	.9	.8	.6
55.	*	.0	.3	1.1	1.0	1.1	.9	.9	.6
60.	*	.0	.4	1.2	.8	1.1	.9	.9	.6
65.	*	.0	.4	1.1	.8	1.1	1.0	.8	.7
70.	*	.1	.4	1.1	1.1	.9	.8	.8	.6
75.	*	.1	.5	.9	1.2	.9	.8	.7	.6
80.	*	.1	.6	.9	1.2	1.0	.8	.7	.6
85.	*	.2	.6	.8	1.1	1.0	.8	.7	.6
90.	*	.2	.4	1.0	.9	.8	.7	.7	.6
95.	*	.2	.5	.9	.9	.8	.7	.8	.6
100.	*	.2	.5	.6	.8	.6	.7	.7	.6
105.	*	.3	.3	.6	.8	.6	.7	.7	.6
110.	*	.6	.2	.6	.5	.6	.7	.7	.6
115.	*	.5	.2	.4	.5	.6	.7	.7	.6
120.	*	.5	.0	.3	.5	.7	.7	.6	.7
125.	*	.5	.0	.2	.5	.7	.9	.6	.7
130.	*	.4	.0	.2	.4	.7	.9	.6	.7
135.	*	.3	.0	.2	.3	.6	.9	.7	.7
140.	*	.3	.0	.1	.2	.8	.8	.7	.8
145.	*	.3	.0	.1	.2	.8	.9	.8	.9
150.	*	.3	.0	.0	.1	.8	.8	.8	.8
155.	*	.3	.0	.0	.1	.6	.8	.8	.7
160.	*	.3	.0	.0	.0	.6	.6	.7	.7
165.	*	.3	.0	.0	.0	.3	.6	.5	.4
170.	*	.3	.0	.0	.0	.3	.4	.3	.4
175.	*	.3	.0	.0	.0	.1	.3	.2	.3
180.	*	.4	.0	.0	.0	.1	.1	.2	.1
185.	*	.3	.0	.0	.0	.0	.1	.1	.1
190.	*	.3	.0	.0	.0	.0	.1	.1	.1
195.	*	.3	.0	.0	.0	.0	.1	.0	.1
200.	*	.3	.0	.0	.0	.0	.0	.0	.0
205.	*	.3	.0	.0	.0	.0	.0	.0	.0

1

JOB: Site 1 Security & Rolling Rd NBPM21 RUN: Site 1 No Build PM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.4	.0	.0	.0	.0	.0	.0	.0
250.	*	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.4	.0	.0	.0	.0	.0	.0	.0
265.	*	.4	.0	.0	.0	.0	.0	.0	.0
270.	*	.5	.0	.0	.0	.0	.0	.0	.0
275.	*	.4	.1	.1	.2	.0	.0	.0	.0
280.	*	.3	.1	.1	.2	.0	.0	.0	.0
285.	*	.3	.1	.2	.3	.0	.0	.0	.0
290.	*	.2	.3	.2	.5	.1	.0	.0	.0
295.	*	.2	.4	.3	.6	.2	.0	.0	.0
300.	*	.2	.4	.6	.7	.2	.0	.0	.0
305.	*	.0	.3	.6	.9	.4	.1	.0	.0
310.	*	.0	.3	.6	.8	.5	.2	.0	.1
315.	*	.0	.3	.7	.8	.5	.2	.1	.1
320.	*	.0	.2	.8	.8	.5	.4	.2	.1
325.	*	.0	.3	.8	.8	.5	.4	.2	.1
330.	*	.0	.3	.8	.7	.5	.4	.2	.3
335.	*	.0	.3	.8	.7	.7	.5	.3	.3
340.	*	.0	.3	.8	.7	.8	.6	.6	.5
345.	*	.0	.3	.8	.7	.8	.5	.5	.7
350.	*	.0	.3	.8	.8	.9	.7	.8	.8
355.	*	.0	.3	.8	.9	1.0	.9	.8	.9
360.	*	.0	.3	.8	1.0	1.0	1.1	.9	.9
MAX	*	.6	.6	1.2	1.4	1.1	1.1	1.2	.9
DEGR.	*	110	80	60	10	55	0	25	145

THE HIGHEST CONCENTRATION IS 1.80 PPM AT 135 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS 1.60 PPM AT 245 DEGREES FROM REC12.
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 185 DEGREES FROM REC10.

```
Site 1 Security & Rolling Rd NBPM35     60.0321.0.0000.000280.30480000    1    1
SE MID S                 1299.      511.       5.0
SE 164 S                 1248.      695.       5.0
SE 82 S                  1226.      773.       5.0
SE CNR                   1221.      872.       5.0
SE 82 E                  1320.      889.       5.0
SE 164 E                 1401.      871.       5.0
SE MID E                 1598.      845.       5.0
NE MID E                 1533.      984.       5.0
NE 164 E                 1327.     1024.       5.0
NE 82 E                  1245.     1044.       5.0
NE CNR                   1168.     1085.       5.0
NE 82 N                  1108.     1174.       5.0
NE 164 N                 1082.     1252.       5.0
NE MID N                 1001.     1456.       5.0
NW MID N                  932.     1430.       5.0
NW 164 N                  974.     1289.       5.0
NW 82 N                  1000.     1211.       5.0
NW CNR                    986.     1122.       5.0
NW 82 W                   899.     1115.       5.0
NW 164 W                  820.     1138.       5.0
NW MID W                  610.     1193.       5.0
SW MID W                  658.     1066.       5.0
SW 164 W                  891.     1003.       5.0
SW 82 W                   971.      980.       5.0
SW CNR                   1084.      889.       5.0
SW 82 S                  1120.      798.       5.0
SW 164 S                 1141.      719.       5.0
SW MID S                 1214.      475.       5.0
Site 1 No Build PM 2035                  70  1   0
  1
EB        Sec ap    AG   139.  1226.   392.  1160.    925. 8.1   0  44   40.
  1
EB        Sec ap    AG   392.  1160.   603.  1116.    925. 8.1   0  44   40.
  1
EB        Sec thru  AG   603.  1116.  1120.   976.    620. 8.1   0  44   40.
  2
EB        Sec thru  AG  1054.   994.   814.  1059.      0.  24   2
       140       108       2.0  620   42.1 1770 1 3
  1
EB        Sec left  AG   603.  1116.   738.  1096.    175. 8.1   0  32   40.
  1
EB        Sec left  AG   738.  1096.  1122.   994.    175. 8.1   0  32   40.
  2
EB        Sec left  AG  1051.  1013.   827.  1072.      0.  12   1
       140       120       2.0  175   42.1 1770 1 3
  1
EB        Sec right AG   603.  1116.   722.  1067.    130. 8.1   0  32   40.
  1
EB        Sec right AG   722.  1067.   986.   995.    130. 8.1   0  32   40.
  1
EB        Sec right AG   986.   995.  1070.   942.    130. 8.1   0  32   40.
  2
EB        Sec right AG  1062.   947.   993.   990.      0.  12   1
       140       108       2.0  130   42.1 1583 1 3
  1
EB        Sec right AG  1070.   942.  1123.   878.    130. 8.1   0  32   40.
  1
EB        Sec dep1  AG  1120.   976.  1367.   908.   1065. 8.1   0  44   40.
  1
EB        Sec dep2  AG  1367.   908.  1569.   880.   1465. 8.1   0  56   40.
  1
EB        Sec dep2  AG  1569.   880.  1751.   864.   1465. 8.1   0  56   40.
  1
EB        Sec dep2  AG  1751.   864.  1949.   867.   1465. 8.1   0  56   40.
  1
EB        Sec dep2  AG  1949.   867.  2104.   870.   1465. 8.1   0  56   40.
  1
WB        Sec ap    AG  2109.   937.  1863.   925.   1785. 8.1   0  56   40.
  1
WB        Sec ap    AG  1863.   925.  1647.   933.   1785. 8.1   0  56   40.
  1
WB        Sec ap    AG  1647.   933.  1496.   952.   1785. 8.1   0  56   40.
  1
WB        Sec thru  AG  1496.   952.  1098.  1043.    490. 8.1   0  44   40.
  2
WB        Sec thru  AG  1165.  1028.  1424.   969.      0.  24   2
       140        93       2.0  490   42.1 1873 1 3
  1
WB        Sec left  AG  1496.   952.  1348.   958.    720. 8.1   0  44   40.
  1
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WB        Sec left  AG  1348.   958.  1096.  1019.    720. 8.1   0  44   40.
  2
WB        Sec left  AG  1172.  1000.  1333.   962.      0.  24   2
       140       105       2.0  720   42.1 1817 1 3
  1
WB        Sec right AG  1496.   952.  1392.   991.    575. 8.1   0  32   40.
  1
WB        Sec right AG  1392.   991.  1214.  1033.    575. 8.1   0  32   40.
  1
WB        Sec right AG  1214.  1033.  1153.  1068.    575. 8.1   0  32   40.
  1
WB        Sec right AG  1153.  1068.  1100.  1119.    575. 8.1   0  32   40.
  1
WB        Sec d1    AG  1098.  1043.   922.  1086.    535. 8.1   0  56   40.
  1
WB        Sec d2    AG   922.  1086.   745.  1132.    655. 8.1   0  56   40.
  1
WB        Sec d2    AG   745.  1132.   568.  1184.    655. 8.1   0  44   40.
  1
WB        Sec d2    AG   568.  1184.   159.  1294.    655. 8.1   0  44   40.
  1
NB        Rol ap    AG  1435.    51.  1353.   250.   1540. 8.3   0  44   45.
  1
NB        Rol ap    AG  1353.   250.  1279.   490.   1540. 8.3   0  44   45.
  1
NB        Rol ap    AG  1279.   490.  1215.   701.   1540. 8.3   0  44   45.
  1
NB        Rol thru  AG  1215.   701.  1133.   990.   1095. 8.3   0  44   45.
  2
NB        Rol thru  AG  1153.   919.  1208.   726.      0.  24   2
       140        90       2.0 1095   42.1 1910 1 3
  1
NB        Rol left  AG  1215.   701.  1174.   783.     45. 8.3   0  32   45.
  1
NB        Rol left  AG  1174.   783.  1111.   999.     45. 8.3   0  32   45.
  2
NB        Rol left  AG  1133.   924.  1171.   792.      0.  12   1
       140       130       2.0   45   42.1 1909 1 3
  1
NB        Rol right AG  1208.   726.  1194.   865.    400. 8.3   0  32   45.
  1
NB        Rol right AG  1194.   865.  1226.   908.    400. 8.3   0  32   45.
  1
NB        Rol right AG  1226.   908.  1288.   919.    400. 8.3   0  32   45.
  1
NB        Rol right AG  1288.   919.  1367.   908.    400. 8.3   0  32   45.
  1
NB        Rol dep1  AG  1133.   990.  1100.  1119.   1270. 8.3   0  44   45.
  1
NB        Rol dep2  AG  1100.  1119.  1038.  1302.   1845. 8.3   0  44   45.
  1
NB        Rol dep2  AG  1038.  1302.   960.  1501.   1845. 8.3   0  44   45.
  1
NB        Rol dep2  AG   960.  1501.   907.  1687.   1845. 8.3   0  44   45.
  1
NB        Rol dep2  AG   907.  1687.   877.  1869.   1845. 8.3   0  44   45.
  1
NB        Rol dep2  AG   877.  1869.   870.  1967.   1845. 8.3   0  44   45.
  1
SB        Rol ap    AG   842.  1958.   851.  1852.   1200. 8.3   0  44   45.
  1
SB        Rol ap    AG   851.  1852.   876.  1698.   1200. 8.3   0  44   45.
  1
SB        Rol ap    AG   876.  1698.   915.  1552.   1200. 8.3   0  44   45.
  1
SB        Rol ap    AG   915.  1552.   988.  1331.   1200. 8.3   0  44   45.
  1
SB        Rol thru  AG   988.  1331.  1084.  1021.    635. 8.3   0  44   45.
  2
SB        Rol thru  AG  1065.  1084.  1002.  1288.      0.  24   2
       140        77       2.0  635   42.1 1910 1 3
  1
SB        Rol left  AG   988.  1331.  1038.  1230.    445. 8.3   0  44   45.
  1
SB        Rol left  AG  1038.  1230.  1106.  1025.    445. 8.3   0  44   45.
  2
SB        Rol left  AG  1088.  1079.  1040.  1223.      0.  24   2
       140       117       2.0  445   42.1 1852 1 3
  1
SB        Rol right AG   988.  1331.  1027.  1165.    120. 8.3   0  32   45.
  1
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SB        Rol right AG  1027.  1165.  1014.  1119.    120. 8.3   0  32   45.
  1
SB        Rol right AG  1014.  1119.   973.  1089.    120. 8.3   0  32   45.
  2
SB        Rol right AG   980.  1095.  1013.  1118.      0.  12   1
       140        77       2.0  120   42.1 1708 1 3
  1
SB        Rol right AG   973.  1089.   922.  1086.    120. 8.3   0  32   45.
  1
SB        Rol dep1  AG  1084.  1021.  1119.   882.   1355. 8.3   0  44   45.
  1
SB        Rol dep2  AG  1123.   878.  1195.   618.   1485. 8.3   0  44   45.
  1
SB        Rol dep2  AG  1195.   618.  1278.   344.   1485. 8.3   0  44   45.
  1
SB        Rol dep2  AG  1278.   344.  1338.   172.   1485. 8.3   0  44   45.
  1
SB        Rol dep2  AG  1338.   172.  1396.    37.   1485. 8.3   0  44   45.
1.0   04  1000   0Y  5  0 72
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JOB: Site 1 Security & Rolling Rd NBPM35 RUN: Site 1 No Build PM 2035
DATE: 09/05/2012 TIME: 14:59:37.69

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Sec ap	*	139.0	1226.0	392.0	1160.0	*	261.	105.	AG	925.	8.1	.0	44.0		
2. EB	Sec ap	*	392.0	1160.0	603.0	1116.0	*	216.	102.	AG	925.	8.1	.0	44.0		
3. EB	Sec thru	*	603.0	1116.0	1120.0	976.0	*	536.	105.	AG	620.	8.1	.0	44.0		
4. EB	Sec thru	*	1054.0	994.0	850.3	1049.2	*	211.	285.	AG	174.	100.0	.0	24.0	.88	10.7
5. EB	Sec left	*	603.0	1116.0	738.0	1096.0	*	136.	98.	AG	175.	8.1	.0	32.0		
6. EB	Sec left	*	738.0	1096.0	1122.0	994.0	*	397.	105.	AG	175.	8.1	.0	32.0		
7. EB	Sec left	*	1051.0	1013.0	916.8	1048.4	*	139.	285.	AG	97.	100.0	.0	12.0	.87	7.1
8. EB	Sec right	*	603.0	1116.0	722.0	1067.0	*	129.	112.	AG	130.	8.1	.0	32.0		
9. EB	Sec right	*	722.0	1067.0	986.0	995.0	*	274.	105.	AG	130.	8.1	.0	32.0		
10. EB	Sec right	*	986.0	995.0	1070.0	942.0	*	99.	122.	AG	130.	8.1	.0	32.0		
11. EB	Sec right	*	1062.0	947.0	996.8	987.6	*	77.	302.	AG	87.	100.0	.0	12.0	.41	3.9
12. EB	Sec right	*	1070.0	942.0	1123.0	878.0	*	83.	140.	AG	130.	8.1	.0	32.0		
13. EB	Sec dep1	*	1120.0	976.0	1367.0	908.0	*	256.	105.	AG	1065.	8.1	.0	44.0		
14. EB	Sec dep2	*	1367.0	908.0	1569.0	880.0	*	204.	98.	AG	1465.	8.1	.0	56.0		
15. EB	Sec dep2	*	1569.0	880.0	1751.0	864.0	*	183.	95.	AG	1465.	8.1	.0	56.0		
16. EB	Sec dep2	*	1751.0	864.0	1949.0	867.0	*	198.	89.	AG	1465.	8.1	.0	56.0		
17. EB	Sec dep2	*	1949.0	867.0	2104.0	870.0	*	155.	89.	AG	1465.	8.1	.0	56.0		
18. WB	Sec ap	*	2109.0	937.0	1863.0	925.0	*	246.	267.	AG	1785.	8.1	.0	56.0		
19. WB	Sec ap	*	1863.0	925.0	1647.0	933.0	*	216.	272.	AG	1785.	8.1	.0	56.0		
20. WB	Sec ap	*	1647.0	933.0	1496.0	952.0	*	152.	277.	AG	1785.	8.1	.0	56.0		
21. WB	Sec thru	*	1496.0	952.0	1098.0	1043.0	*	408.	283.	AG	490.	8.1	.0	44.0		
22. WB	Sec thru	*	1165.0	1028.0	1286.5	1000.3	*	125.	103.	AG	150.	100.0	.0	24.0	.43	6.3
23. WB	Sec left	*	1496.0	952.0	1348.0	958.0	*	148.	272.	AG	720.	8.1	.0	44.0		
24. WB	Sec left	*	1348.0	958.0	1096.0	1019.0	*	259.	284.	AG	720.	8.1	.0	44.0		
25. WB	Sec left	*	1172.0	1000.0	1407.1	944.5	*	242.	103.	AG	169.	100.0	.0	24.0	.90	12.3
26. WB	Sec right	*	1496.0	952.0	1392.0	991.0	*	111.	291.	AG	575.	8.1	.0	32.0		
27. WB	Sec right	*	1392.0	991.0	1214.0	1033.0	*	183.	283.	AG	575.	8.1	.0	32.0		
28. WB	Sec right	*	1214.0	1033.0	1153.0	1068.0	*	70.	300.	AG	575.	8.1	.0	32.0		
29. WB	Sec right	*	1153.0	1068.0	1100.0	1119.0	*	74.	314.	AG	575.	8.1	.0	32.0		
30. WB	Sec d1	*	1098.0	1043.0	922.0	1086.0	*	181.	284.	AG	535.	8.1	.0	56.0		
31. WB	Sec d2	*	922.0	1086.0	745.0	1132.0	*	183.	285.	AG	655.	8.1	.0	56.0		
32. WB	Sec d2	*	745.0	1132.0	568.0	1184.0	*	184.	286.	AG	655.	8.1	.0	44.0		
33. WB	Sec d2	*	568.0	1184.0	159.0	1294.0	*	424.	285.	AG	655.	8.1	.0	44.0		
34. NB	Rol ap	*	1435.0	51.0	1353.0	250.0	*	215.	338.	AG	1540.	8.3	.0	44.0		
35. NB	Rol ap	*	1353.0	250.0	1279.0	490.0	*	251.	343.	AG	1540.	8.3	.0	44.0		
36. NB	Rol ap	*	1279.0	490.0	1215.0	701.0	*	220.	343.	AG	1540.	8.3	.0	44.0		
37. NB	Rol thru	*	1215.0	701.0	1133.0	990.0	*	300.	344.	AG	1095.	8.3	.0	44.0		
38. NB	Rol thru	*	1153.0	919.0	1233.6	636.3	*	294.	164.	AG	145.	100.0	.0	24.0	.87	14.9
39. NB	Rol left	*	1215.0	701.0	1174.0	783.0	*	92.	333.	AG	45.	8.3	.0	32.0		
40. NB	Rol left	*	1174.0	783.0	1111.0	999.0	*	225.	344.	AG	45.	8.3	.0	32.0		
41. NB	Rol left	*	1133.0	924.0	1142.2	892.1	*	33.	164.	AG	105.	100.0	.0	12.0	.56	1.7
42. NB	Rol right	*	1208.0	726.0	1194.0	865.0	*	140.	354.	AG	400.	8.3	.0	32.0		
43. NB	Rol right	*	1194.0	865.0	1226.0	908.0	*	54.	37.	AG	400.	8.3	.0	32.0		
44. NB	Rol right	*	1226.0	908.0	1288.0	919.0	*	63.	80.	AG	400.	8.3	.0	32.0		

JOB: Site 1 Security & Rolling Rd NBPM35 RUN: Site 1 No Build PM 2035
DATE: 09/05/2012 TIME: 14:59:37.69

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. NB	Rol right	*	1288.0	919.0	1367.0	908.0	*	80.	98.	AG	400.	8.3	.0	32.0		
46. NB	Rol dep1	*	1133.0	990.0	1100.0	1119.0	*	133.	346.	AG	1270.	8.3	.0	44.0		
47. NB	Rol dep2	*	1100.0	1119.0	1038.0	1302.0	*	193.	341.	AG	1845.	8.3	.0	44.0		
48. NB	Rol dep2	*	1038.0	1302.0	960.0	1501.0	*	214.	339.	AG	1845.	8.3	.0	44.0		
49. NB	Rol dep2	*	960.0	1501.0	907.0	1687.0	*	193.	344.	AG	1845.	8.3	.0	44.0		
50. NB	Rol dep2	*	907.0	1687.0	877.0	1869.0	*	184.	351.	AG	1845.	8.3	.0	44.0		
51. NB	Rol dep2	*	877.0	1869.0	870.0	1967.0	*	98.	356.	AG	1845.	8.3	.0	44.0		
52. SB	Rol ap	*	842.0	1958.0	851.0	1852.0	*	106.	175.	AG	1200.	8.3	.0	44.0		
53. SB	Rol ap	*	851.0	1852.0	876.0	1698.0	*	156.	171.	AG	1200.	8.3	.0	44.0		
54. SB	Rol ap	*	876.0	1698.0	915.0	1552.0	*	151.	165.	AG	1200.	8.3	.0	44.0		
55. SB	Rol ap	*	915.0	1552.0	988.0	1331.0	*	233.	162.	AG	1200.	8.3	.0	44.0		
56. SB	Rol thru	*	988.0	1331.0	1084.0	1021.0	*	325.	163.	AG	635.	8.3	.0	44.0		
57. SB	Rol thru	*	1065.0	1084.0	1025.6	1211.5	*	133.	343.	AG	124.	100.0	.0	24.0	.39	6.8
58. SB	Rol left	*	988.0	1331.0	1038.0	1230.0	*	113.	154.	AG	445.	8.3	.0	44.0		
59. SB	Rol left	*	1038.0	1230.0	1106.0	1025.0	*	216.	162.	AG	445.	8.3	.0	44.0		
60. SB	Rol left	*	1088.0	1079.0	1033.8	1241.5	*	171.	342.	AG	189.	100.0	.0	24.0	.88	8.7
61. SB	Rol right	*	988.0	1331.0	1027.0	1165.0	*	171.	167.	AG	120.	8.3	.0	32.0		
62. SB	Rol right	*	1027.0	1165.0	1014.0	1119.0	*	48.	196.	AG	120.	8.3	.0	32.0		
63. SB	Rol right	*	1014.0	1119.0	973.0	1089.0	*	51.	234.	AG	120.	8.3	.0	32.0		
64. SB	Rol right	*	980.0	1095.0	1021.5	1123.9	*	51.	55.	AG	62.	100.0	.0	12.0	.17	2.6
65. SB	Rol right	*	973.0	1089.0	922.0	1086.0	*	51.	267.	AG	120.	8.3	.0	32.0		

66. SB	Rol dep1	*	1084.0	1021.0	1119.0	882.0	*	143.	166.	AG	1355.	8.3	.0	44.0
67. SB	Rol dep2	*	1123.0	878.0	1195.0	618.0	*	270.	165.	AG	1485.	8.3	.0	44.0
68. SB	Rol dep2	*	1195.0	618.0	1278.0	344.0	*	286.	163.	AG	1485.	8.3	.0	44.0
69. SB	Rol dep2	*	1278.0	344.0	1338.0	172.0	*	182.	161.	AG	1485.	8.3	.0	44.0
70. SB	Rol dep2	*	1338.0	172.0	1396.0	37.0	*	147.	157.	AG	1485.	8.3	.0	44.0

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JOB: Site 1 Security & Rolling Rd NBPM35 RUN: Site 1 No Build PM 2035
DATE: 09/05/2012 TIME: 14:59:37.69

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB Sec thru	*	140	108	2.0	620	1770	42.10	1	3
7. EB Sec left	*	140	120	2.0	175	1770	42.10	1	3
11. EB Sec right	*	140	108	2.0	130	1583	42.10	1	3
22. WB Sec thru	*	140	93	2.0	490	1873	42.10	1	3
25. WB Sec left	*	140	105	2.0	720	1817	42.10	1	3
38. NB Rol thru	*	140	90	2.0	1095	1910	42.10	1	3
41. NB Rol left	*	140	130	2.0	45	1909	42.10	1	3
57. SB Rol thru	*	140	77	2.0	635	1910	42.10	1	3
60. SB Rol left	*	140	117	2.0	445	1852	42.10	1	3
64. SB Rol right	*	140	77	2.0	120	1708	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1299.0	511.0	5.0	*
2. SE 164 S	*	1248.0	695.0	5.0	*
3. SE 82 S	*	1226.0	773.0	5.0	*
4. SE CNR	*	1221.0	872.0	5.0	*
5. SE 82 E	*	1320.0	889.0	5.0	*
6. SE 164 E	*	1401.0	871.0	5.0	*
7. SE MID E	*	1598.0	845.0	5.0	*
8. NE MID E	*	1533.0	984.0	5.0	*
9. NE 164 E	*	1327.0	1024.0	5.0	*
10. NE 82 E	*	1245.0	1044.0	5.0	*
11. NE CNR	*	1168.0	1085.0	5.0	*
12. NE 82 N	*	1108.0	1174.0	5.0	*
13. NE 164 N	*	1082.0	1252.0	5.0	*
14. NE MID N	*	1001.0	1456.0	5.0	*
15. NW MID N	*	932.0	1430.0	5.0	*
16. NW 164 N	*	974.0	1289.0	5.0	*
17. NW 82 N	*	1000.0	1211.0	5.0	*
18. NW CNR	*	986.0	1122.0	5.0	*
19. NW 82 W	*	899.0	1115.0	5.0	*
20. NW 164 W	*	820.0	1138.0	5.0	*
21. NW MID W	*	610.0	1193.0	5.0	*
22. SW MID W	*	658.0	1066.0	5.0	*
23. SW 164 W	*	891.0	1003.0	5.0	*
24. SW 82 W	*	971.0	980.0	5.0	*
25. SW CNR	*	1084.0	889.0	5.0	*
26. SW 82 S	*	1120.0	798.0	5.0	*
27. SW 164 S	*	1141.0	719.0	5.0	*
28. SW MID S	*	1214.0	475.0	5.0	*

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JOB: Site 1 Security & Rolling Rd NBPM35 RUN: Site 1 No Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.2	.3	.4	.6	.9	.7	.6	.0	.0	.0	.0	.1	.2	.2	1.0	.7	.7	.3	.1	.0
5.	*	.2	.2	.3	.6	.9	.7	.6	.0	.0	.0	.0	.1	.1	.2	1.0	.8	.7	.4	.3	.0
10.	*	.1	.2	.3	.6	.9	.7	.6	.0	.0	.0	.0	.1	.0	.1	.8	.8	.7	.4	.2	.0
15.	*	.0	.2	.2	.7	.8	.7	.6	.0	.0	.0	.0	.0	.0	.1	.8	.7	.6	.5	.2	.2
20.	*	.0	.1	.2	.7	.8	.7	.6	.0	.0	.0	.0	.0	.0	.1	.8	.7	.7	.5	.2	.2
25.	*	.0	.1	.2	.7	.8	.6	.5	.0	.0	.0	.0	.0	.0	.1	.8	.6	.6	.7	.1	.2
30.	*	.0	.2	.2	.7	.7	.5	.6	.0	.0	.0	.0	.0	.0	.1	.8	.6	.7	.6	.1	.2
35.	*	.0	.1	.2	.6	.7	.5	.6	.0	.0	.0	.0	.0	.0	.0	.8	.6	.7	.7	.2	.2
40.	*	.0	.1	.2	.5	.7	.6	.7	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.8	.4	.1
45.	*	.0	.1	.2	.5	.8	.6	.6	.0	.0	.0	.0	.0	.0	.0	.6	.6	.8	.8	.3	.1
50.	*	.0	.1	.2	.5	.8	.6	.6	.0	.0	.0	.0	.0	.0	.0	.6	.6	.8	.8	.3	.1
55.	*	.0	.1	.1	.4	.7	.5	.6	.0	.0	.0	.0	.0	.0	.0	.6	.6	.8	.8	.4	.1
60.	*	.0	.1	.2	.2	.8	.6	.6	.0	.0	.0	.0	.0	.0	.0	.6	.5	.9	.8	.4	.1
65.	*	.0	.0	.2	.3	.8	.7	.8	.0	.0	.0	.0	.0	.0	.0	.6	.6	.8	.8	.4	.2
70.	*	.0	.0	.1	.4	.8	.7	.8	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.0	.8	.4	.2
75.	*	.0	.0	.1	.4	.9	.7	.7	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.1	.9	.4	.3
80.	*	.0	.0	.1	.3	.7	.7	.7	.1	.0	.0	.0	.0	.0	.0	.6	.6	1.1	.9	.4	.3

85.	.0	.0	.0	.3	.7	.7	.7	.2	.0	.1	.0	.0	.0	.0	.6	.6	1.2	.8	.5	.4
90.	.0	.0	.0	.1	.7	.7	.5	.3	.1	.1	.0	.0	.0	.0	.6	.6	1.2	.9	.6	.4
95.	.0	.0	.0	.1	.7	.5	.4	.5	.3	.1	.0	.0	.0	.0	.6	.6	1.2	.9	.6	.4
100.	.0	.0	.0	.1	.4	.3	.3	.6	.4	.3	.0	.0	.0	.0	.6	.6	1.2	1.0	.7	.2
105.	.0	.0	.0	.0	.2	.3	.2	.7	.5	.6	.1	.0	.0	.0	.6	.6	1.3	.9	.5	.5
110.	.0	.0	.0	.0	.1	.1	.1	.8	.9	.7	.4	.0	.0	.1	.8	.7	1.3	1.0	.4	.5
115.	.0	.0	.0	.0	.1	.1	.1	.8	.8	.8	.5	.0	.0	.1	.8	.7	1.3	1.2	.6	.7
120.	.0	.0	.0	.0	.1	.1	.0	.7	.9	.8	.6	.1	.0	.1	.8	.7	1.4	1.1	.8	.7
125.	.0	.0	.0	.0	.0	.0	.0	.6	.8	.9	.9	.1	.0	.1	.8	.8	1.6	1.1	.7	.6
130.	.0	.0	.0	.0	.0	.0	.0	.8	.6	.9	1.0	.2	.1	.1	.8	1.0	1.6	1.0	.9	.7
135.	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.1	1.0	.2	.2	.1	.8	1.2	1.7	1.0	1.0	.7
140.	.1	.0	.0	.0	.0	.0	.0	.7	.8	1.1	.9	.6	.2	.2	.8	1.1	1.4	.9	1.0	.5
145.	.1	.1	.0	.0	.0	.0	.0	.6	.7	1.2	.8	.6	.3	.4	.9	1.2	1.6	.9	.8	.5
150.	.2	.1	.1	.0	.0	.0	.0	.6	.7	1.1	.9	.6	.4	.5	.8	.9	1.3	1.0	.7	.5
155.	.3	.3	.2	.0	.0	.0	.0	.6	.8	1.1	.9	.9	.7	.7	.8	.9	1.3	.9	.7	.5
160.	.4	.4	.6	.2	.0	.0	.0	.6	1.0	1.1	1.1	1.0	.9	.8	.7	.7	1.0	.8	.6	.4
165.	.6	.5	.6	.3	.0	.0	.0	.6	.9	1.1	1.1	1.1	.8	.9	.6	.5	.9	.7	.6	.4
170.	.8	.7	.7	.5	.0	.0	.0	.6	.8	1.1	1.1	1.2	1.3	1.1	.5	.4	.3	.6	.5	.4
175.	.9	.8	1.0	.7	.0	.0	.0	.5	.8	1.3	1.1	1.1	1.6	1.1	.2	.3	.3	.6	.5	.4
180.	.8	.9	1.0	.7	.1	.0	.0	.6	.8	1.5	1.0	1.3	1.4	1.1	.2	.2	.3	.6	.5	.3
185.	.8	1.0	1.0	.8	.2	.0	.0	.6	.8	1.5	1.1	1.3	1.3	1.2	.2	.1	.2	.6	.5	.3
190.	.8	.9	1.1	.9	.2	.0	.0	.6	1.0	1.4	1.0	1.1	1.3	1.1	.1	.1	.2	.6	.5	.3
195.	.8	.9	1.2	.9	.3	.1	.0	.6	1.0	1.4	1.0	1.2	1.5	.9	.1	.1	.1	.6	.5	.3
200.	.7	1.1	1.2	.8	.3	.2	.0	.6	1.0	1.4	.8	1.4	1.5	.8	.0	.1	.1	.6	.5	.3
205.	.7	1.0	1.1	.8	.4	.2	.0	.6	1.1	1.4	.8	1.3	1.5	.8	.0	.1	.1	.6	.5	.3

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JOB: Site 1 Security & Rolling Rd NBPM35 RUN: Site 1 No Build PM 2035

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.7	.9	1.1	.8	.4	.2	.0	.6	1.1	1.4	.7	1.4	1.4	.8	.0	.0	.1	.5	.5	.3
215.	.7	.9	1.0	.8	.3	.3	.0	.5	1.1	1.5	.7	1.4	1.4	.7	.0	.0	.1	.5	.4	.3
220.	.6	1.0	1.0	.8	.3	.2	.0	.6	1.2	1.3	.8	1.5	1.3	.7	.0	.0	.1	.5	.4	.3
225.	.6	1.1	1.0	.8	.3	.3	.0	.6	1.2	1.1	.9	1.4	1.2	.7	.0	.0	.1	.4	.4	.3
230.	.7	1.0	1.0	.9	.3	.2	.0	.9	1.2	1.1	.8	1.3	1.2	.7	.0	.0	.1	.4	.4	.3
235.	.6	1.0	1.0	.8	.3	.3	.0	.9	1.2	1.1	.7	1.3	1.1	.7	.0	.0	.1	.3	.3	.3
240.	.6	1.0	1.0	.8	.3	.3	.0	.9	1.3	1.1	.6	1.3	1.0	.7	.0	.0	.1	.4	.3	.3
245.	.7	1.0	1.0	.9	.3	.3	.0	.9	1.2	1.3	.9	1.3	.9	.7	.0	.0	.1	.4	.3	.3
250.	.6	1.0	1.0	.9	.3	.3	.0	.9	1.3	1.2	1.0	1.3	.9	.7	.0	.0	.0	.4	.3	.3
255.	.6	1.0	1.0	.8	.3	.3	.1	.7	1.2	1.2	1.0	1.2	.9	.7	.0	.0	.0	.2	.3	.4
260.	.6	.9	1.0	.6	.3	.3	.2	.7	1.2	1.0	1.0	1.2	.9	.7	.0	.0	.0	.2	.3	.4
265.	.6	1.0	1.0	.6	.3	.3	.2	.8	1.2	.9	1.1	1.2	.8	.7	.0	.0	.0	.2	.3	.5
270.	.6	1.0	1.0	.7	.4	.4	.3	.9	1.1	.7	1.1	1.2	.8	.7	.0	.0	.0	.1	.3	.4
275.	.6	.9	1.0	.7	.4	.4	.3	.6	1.0	.8	1.1	1.2	.8	.7	.0	.0	.0	.1	.2	.3
280.	.6	.9	1.0	.7	.5	.4	.6	.4	.8	.7	1.0	1.2	.7	.7	.0	.0	.0	.1	.3	.2
285.	.6	1.0	1.0	.7	.7	.6	.6	.2	.5	.6	1.0	1.1	.7	.7	.0	.0	.0	.0	.2	.2
290.	.6	1.0	1.0	.8	.7	.7	.6	.0	.5	.6	.9	1.1	.7	.7	.0	.0	.0	.0	.2	.2
295.	.7	.9	1.0	.8	1.0	.9	.6	.0	.3	.6	1.0	1.2	.8	.8	.0	.0	.0	.0	.1	.2
300.	.7	.9	1.1	.8	.9	.9	.8	.0	.3	.6	1.0	1.2	.9	.9	.0	.0	.0	.0	.1	.1
305.	.8	1.0	1.1	.8	.9	.9	.9	.0	.2	.4	.9	1.2	.9	.8	.0	.0	.0	.0	.1	.1
310.	.8	1.1	1.2	.8	1.0	1.1	.7	.0	.2	.2	1.0	1.0	1.0	1.0	.1	.0	.0	.0	.1	.0
315.	.8	1.2	1.1	.9	1.2	1.1	.5	.0	.1	.3	.8	1.1	.8	1.0	.1	.0	.0	.0	.0	.0
320.	.9	1.2	1.2	.8	1.1	1.0	.6	.0	.2	.3	.8	1.0	.8	1.0	.1	.0	.0	.0	.0	.0
325.	1.0	1.2	1.2	.9	1.1	1.0	.7	.0	.0	.2	.6	1.0	.9	.9	.1	.1	.0	.0	.0	.0
330.	.9	1.0	1.0	.8	1.0	1.1	.6	.0	.0	.2	.5	1.0	.8	1.0	.2	.1	.2	.0	.0	.0
335.	.9	.9	1.1	.9	.9	.8	.6	.0	.0	.1	.4	.9	.8	1.0	.4	.2	.3	.0	.0	.0
340.	.8	.8	1.1	.8	.9	.7	.6	.0	.0	.0	.2	.8	.7	.8	.6	.4	.4	.0	.0	.0
345.	.7	.6	.9	.8	1.0	.7	.6	.0	.0	.0	.2	.4	.5	.7	.7	.5	.5	.2	.0	.0
350.	.5	.5	.6	.5	1.0	.7	.5	.0	.0	.0	.0	.3	.3	.5	.8	.6	.7	.3	.0	.0
355.	.4	.4	.6	.6	.8	.8	.6	.0	.0	.0	.0	.3	.2	.3	.9	.7	.7	.4	.0	.0
360.	.2	.3	.4	.6	.9	.7	.6	.0	.0	.0	.0	.1	.2	.2	1.0	.7	.7	.3	.1	.0
MAX	1.0	1.2	1.2	.9	1.2	1.1	.9	.9	1.3	1.5	1.1	1.5	1.6	1.2	1.0	1.2	1.7	1.2	1.0	.7
DEGR.	325	315	195	190	315	310	305	230	240	180	185	220	175	185	0	135	135	115	135	130

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JOB: Site 1 Security & Rolling Rd NBPM35 RUN: Site 1 No Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.2	.6	.8	.9	1.0	.8	1.0
5.	.0	.2	.7	1.0	.8	.9	1.0	1.0
10.	.0	.2	.7	1.2	.8	.9	1.1	.9
15.	.0	.2	.7	1.2	.8	1.1	1.1	.8
20.	.0	.2	.6	1.1	.8	1.3	1.1	.8
25.	.0	.2	.8	1.1	.8	1.2	1.1	.8
30.	.0	.2	.9	1.1	1.0	1.1	1.1	.8
35.	.0	.2	1.0	1.1	1.0	1.1	1.1	.6
40.	.0	.2	1.0	1.1	.8	1.0	1.1	.6

45.	*	.0	.2	1.0	1.2	.8	1.0	1.0	.6
50.	*	.0	.1	1.0	1.0	.9	1.0	1.0	.6
55.	*	.0	.2	1.1	1.0	1.0	1.0	1.0	.6
60.	*	.1	.3	1.1	.9	1.2	1.0	.9	.6
65.	*	.1	.3	.9	1.0	1.2	1.1	.9	.7
70.	*	.0	.4	1.0	1.0	1.0	.9	.9	.7
75.	*	.0	.4	.9	1.2	.9	.9	.8	.6
80.	*	.0	.5	.8	1.3	1.1	.9	.8	.6
85.	*	.1	.4	.9	1.2	1.2	.9	.7	.7
90.	*	.1	.3	.9	1.1	1.1	.8	.8	.7
95.	*	.1	.3	.8	.9	.8	.8	.8	.6
100.	*	.2	.3	.6	.8	.7	.8	.8	.6
105.	*	.4	.2	.7	.8	.8	.8	.8	.6
110.	*	.5	.2	.5	.6	.7	.8	.8	.6
115.	*	.5	.2	.4	.4	.7	.8	.9	.7
120.	*	.4	.0	.3	.5	.8	.9	.9	.8
125.	*	.5	.0	.3	.5	.8	.9	.9	.8
130.	*	.4	.0	.2	.4	.8	.9	.8	.8
135.	*	.3	.0	.2	.3	.7	.9	.9	.7
140.	*	.3	.0	.1	.3	.8	.9	1.0	.9
145.	*	.3	.0	.1	.3	.8	1.1	1.0	.9
150.	*	.3	.0	.0	.1	.8	.9	.9	.9
155.	*	.3	.0	.0	.1	.7	.9	.8	.8
160.	*	.3	.0	.0	.0	.6	.9	.7	.7
165.	*	.3	.0	.0	.0	.4	.6	.7	.4
170.	*	.3	.0	.0	.0	.3	.4	.3	.4
175.	*	.3	.0	.0	.0	.1	.3	.3	.3
180.	*	.3	.0	.0	.0	.1	.2	.2	.1
185.	*	.3	.0	.0	.0	.0	.1	.1	.1
190.	*	.3	.0	.0	.0	.0	.1	.1	.1
195.	*	.3	.0	.0	.0	.0	.1	.0	.1
200.	*	.3	.0	.0	.0	.0	.0	.0	.0
205.	*	.3	.0	.0	.0	.0	.0	.0	.0

1

JOB: Site 1 Security & Rolling Rd NBPM35 RUN: Site 1 No Build PM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.4	.0	.0	.0	.0	.0	.0	.0
250.	*	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.4	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.4	.0	.0	.0	.0	.0	.0	.0
270.	*	.5	.0	.0	.0	.0	.0	.0	.0
275.	*	.4	.1	.0	.1	.0	.0	.0	.0
280.	*	.3	.1	.1	.2	.0	.0	.0	.0
285.	*	.3	.1	.1	.2	.0	.0	.0	.0
290.	*	.2	.1	.1	.3	.0	.0	.0	.0
295.	*	.2	.3	.4	.5	.2	.0	.0	.0
300.	*	.2	.3	.4	.6	.2	.0	.0	.0
305.	*	.0	.3	.4	.7	.2	.0	.0	.0
310.	*	.0	.3	.6	.8	.4	.1	.0	.1
315.	*	.0	.3	.6	.8	.5	.2	.1	.1
320.	*	.0	.2	.6	.8	.5	.3	.2	.1
325.	*	.0	.3	.6	.8	.5	.3	.2	.1
330.	*	.0	.2	.6	.8	.5	.4	.2	.3
335.	*	.0	.2	.7	.7	.6	.3	.4	.3
340.	*	.0	.2	.6	.6	.6	.5	.5	.5
345.	*	.0	.2	.6	.7	.8	.7	.7	.8
350.	*	.0	.2	.6	.7	.9	.8	.8	1.0
355.	*	.0	.2	.6	.8	1.0	.9	.9	.9
360.	*	.0	.2	.6	.8	.9	1.0	.8	1.0
MAX	*	.5	.5	1.1	1.3	1.2	1.3	1.1	1.0
DEGR.	*	110	80	55	80	60	20	10	0

THE HIGHEST CONCENTRATION IS 1.70 PPM AT 135 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS 1.60 PPM AT 175 DEGREES FROM REC13.
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 180 DEGREES FROM REC10.

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S2 Security & Forest Park BDAM21        60.0321.0.0000.000280.30480000    1    1
SE MID S                 1185.      634.       5.0
SE 164 S                 1218.      790.       5.0
SE 82 S                  1215.      872.       5.0
SE MID                   1201.      957.       5.0
SE 82 E                  1280.      980.       5.0
SE 164 E                 1362.      987.       5.0
SE MID E                 1589.      998.       5.0
NE MID E                 1550.     1053.       5.0
NE 164 E                 1322.     1050.       5.0
NE 82 E                  1239.     1046.       5.0
NE CNR                   1155.     1032.       5.0
NE 82 N                  1107.     1103.       5.0
NE 164 N                 1066.     1173.       5.0
NE MID N                  948.     1395.       5.0
NW MID N                  873.     1344.       5.0
NW 164 N                  978.     1157.       5.0
NW 82 N                  1020.     1087.       5.0
NW CNR                   1046.     1003.       5.0
NW 82 W                   974.      955.       5.0
NW 164 W                  893.      939.       5.0
NW MID W                  688.      936.       5.0
SW MID W                  679.      869.       5.0
SW 164 W                  954.      873.       5.0
SW 82 W                  1036.      889.       5.0
SW CNR                   1119.      910.       5.0
SW 82 S                  1147.      832.       5.0
SW 164 S                 1147.      750.       5.0
SW MID S                 1110.      607.       5.0
Site 2 Build AM 2021                     62  1   0
  1
EB        I-70      AG   151.  1001.   226.   996.    330. 8.1   0  32   30.
  1
EB        I-70      AG   226.   996.   421.   967.    330. 8.1   0  32   30.
  1
EB        I-70      AG   421.   967.   500.   950.    330. 8.1   0  32   30.
  1
EB        I-70      AG   500.   950.   659.   900.    330. 8.1   0  44   30.
  1
EB        I-70      AG   659.   900.   795.   890.    330. 8.1   0  56   30.
  1
EB        I-70      AG   795.   890.   916.   900.    330. 8.1   0  56   30.
  1
EB        I-70 th+rtAG   916.   900.   993.   899.     35. 8.1   0  44   30.
  1
EB        I-70 th+rtAG   993.   899.  1157.   952.     35. 8.1   0  44   30.
  2
EB        I-70 t+rt AG  1113.   938.  1001.   902.      0.  24   2
       110        83       2.0   35   43.6 1859 1 3
  1
EB        I-70 left AG   916.   900.   991.   921.    295. 8.1   0  44   30.
  1
EB        I-70 left AG   991.   921.  1150.   971.    295. 8.1   0  44   30.
  2
EB        I-70 left AG  1106.   958.  1007.   927.      0.  24   2
       110        93       2.0  295   43.6 1852 1 3
  1
EB        I-70 dep  AG  1157.   952.  1202.   986.    835. 8.1   0  32   30.
  1
EB        I-70 dep  AG  1202.   986.  1290.  1001.    835. 8.1   0  32   30.
  1
EB        I-70 dep  AG  1290.  1001.  1576.  1015.    835. 8.1   0  32   30.
  1
EB        I-70 dep  AG  1576.  1015.  1774.  1024.    835. 8.1   0  32   30.
  1
EB        I-70 dep  AG  1774.  1024.  1927.  1025.    835. 8.1   0  32   30.
  1
EB        I-70 dep  AG  1927.  1025.  2038.  1022.    835. 8.1   0  32   30.
  1
EB        I-70 dep  AG  2038.  1022.  2165.  1012.    835. 8.1   0  32   30.
  1
WB        I-70      AG  2167.  1036.  2010.  1050.    945. 8.1   0  32   30.
  1
WB        I-70      AG  2010.  1050.  1839.  1047.    945. 8.1   0  32   30.
  1
WB        I-70      AG  1839.  1047.  1713.  1042.    945. 8.1   0  32   30.
  1
WB        I-70      AG  1713.  1042.  1406.  1029.    945. 8.1   0  32   30.
  1
WB        I-70      AG  1406.  1029.  1303.  1027.    945. 8.1   0  44   30.
  1
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WB        I-70 thru AG  1303.  1027.  1239.  1019.     85. 8.1   0  32   30.
  1
WB        I-70 thru AG  1239.  1019.  1138.   996.     85. 8.1   0  32   30.
  2
WB        I-70 thru AG  1167.  1003.  1231.  1017.      0.  12   1
       110        93       2.0   85   43.6 2010 1 3
  1
WB        I-70 left AG  1303.  1027.  1238.  1008.     30. 8.1   0  32   30.
  1
WB        I-70 left AG  1238.  1008.  1141.   984.     30. 8.1   0  32   30.
  2
WB        I-70 left AG  1169.   991.  1228.  1005.      0.  12   1
       110        91       2.0   30   43.6 1478 1 3
  1
WB        I-70 rightAG  1303.  1027.  1227.  1028.    830. 8.1   0  32   30.
  1
WB        I-70 rightAG  1227.  1028.  1140.  1008.    830. 8.1   0  32   30.
  1
WB        I-70 dep1 AG  1138.   996.  1087.   971.    105. 8.1   0  32   30.
  1
WB        I-70 dep1 AG  1087.   971.  1033.   952.    105. 8.1   0  32   30.
  1
WB        I-70 dep2 AG  1033.   952.   940.   928.    640. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   940.   928.   849.   915.    640. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   849.   915.   755.   912.    640. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   755.   912.   670.   921.    640. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   670.   921.   586.   937.    640. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   586.   937.   491.   965.    640. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   491.   965.   408.   983.    640. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   408.   983.   223.  1009.    640. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   223.  1009.   152.  1014.    640. 8.1   0  32   30.
  1
NB        Sec ap    AG   994.   -19.  1185.   723.    385. 8.3   0  32   40.
  1
NB        Sec ap    AG  1185.   723.  1191.   849.    385. 8.3   0  44   40.
  1
NB        Sec ap    AG  1191.   849.  1163.   976.    385. 8.3   0  56   40.
  2
NB        Sec       AG  1169.   951.  1189.   860.      0.  36   3
       110        92       2.0  385   43.6 1838 1 3
  1
NB        Sec dep   AG  1163.   976.  1110.  1049.   1425. 8.3   0  44   40.
  1
NB        Sec dep   AG  1110.  1049.  1005.  1235.   1425. 8.3   0  44   40.
  1
NB        Sec dep   AG  1005.  1235.   684.  1846.   1425. 8.3   0  44   40.
  1
SB        Sec ap    AG   649.  1831.   980.  1213.   1415. 8.3   0  56   40.
  1
SB        Sec th+lt AG   980.  1213.  1141.   958.    880. 8.3   0  44   40.
  2
SB        Sec th+lt AG  1110.  1007.  1032.  1131.      0.  24   2
       110        53       2.0  880   43.6 1960 1 3
  1
SB        Sec right AG   980.  1213.  1066.  1046.    535. 8.3   0  32   40.
  1
SB        Sec right AG  1066.  1046.  1063.   993.    535. 8.3   0  32   40.
  2
SB        Sec right AG  1063.   999.  1065.  1039.      0.  12   1
       110        53       2.0  535   43.6 1708 1 3
  1
SB        Sec right AG  1063.   993.  1033.   952.    535. 8.3   0  32   40.
  1
SB        Sec dep   AG  1141.   958.  1151.   896.    175. 8.3   0  32   40.
  1
SB        Sec dep   AG  1151.   896.  1164.   830.    175. 8.3   0  32   40.
  1
SB        Sec dep   AG  1164.   830.  1165.   746.    175. 8.3   0  32   40.
  1
SB        Sec dep   AG  1165.   746.  1152.   673.    175. 8.3   0  32   40.
  1
SB        Sec dep   AG  1152.   673.   978.   -12.    175. 8.3   0  32   40.
1.0   04  1000   0Y  5  0 72
```

JOB: S2 Security & Forest Park BDAM21 RUN: Site 2 Build AM 2021
DATE: 09/05/2012 TIME: 16:29:33.79

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	I-70	151.0	1001.0	226.0	996.0	75.	94.	AG	330.	8.1	.0	32.0		
2. EB	I-70	226.0	996.0	421.0	967.0	197.	98.	AG	330.	8.1	.0	32.0		
3. EB	I-70	421.0	967.0	500.0	950.0	81.	102.	AG	330.	8.1	.0	32.0		
4. EB	I-70	500.0	950.0	659.0	900.0	167.	107.	AG	330.	8.1	.0	44.0		
5. EB	I-70	659.0	900.0	795.0	890.0	136.	94.	AG	330.	8.1	.0	56.0		
6. EB	I-70	795.0	890.0	916.0	900.0	121.	85.	AG	330.	8.1	.0	56.0		
7. EB	I-70 th+rt	916.0	900.0	993.0	899.0	77.	91.	AG	35.	8.1	.0	44.0		
8. EB	I-70 th+rt	993.0	899.0	1157.0	952.0	172.	72.	AG	35.	8.1	.0	44.0		
9. EB	I-70 t+rt	1113.0	938.0	1105.7	935.6	8.	252.	AG	176.	100.0	.0	24.0	.04	.4
10. EB	I-70 left	916.0	900.0	991.0	921.0	78.	74.	AG	295.	8.1	.0	44.0		
11. EB	I-70 left	991.0	921.0	1150.0	971.0	167.	73.	AG	295.	8.1	.0	44.0		
12. EB	I-70 left	1106.0	958.0	1031.7	934.7	78.	253.	AG	198.	100.0	.0	24.0	.67	4.0
13. EB	I-70 dep	1157.0	952.0	1202.0	986.0	56.	53.	AG	835.	8.1	.0	32.0		
14. EB	I-70 dep	1202.0	986.0	1290.0	1001.0	89.	80.	AG	835.	8.1	.0	32.0		
15. EB	I-70 dep	1290.0	1001.0	1576.0	1015.0	286.	87.	AG	835.	8.1	.0	32.0		
16. EB	I-70 dep	1576.0	1015.0	1774.0	1024.0	198.	87.	AG	835.	8.1	.0	32.0		
17. EB	I-70 dep	1774.0	1024.0	1927.0	1025.0	153.	90.	AG	835.	8.1	.0	32.0		
18. EB	I-70 dep	1927.0	1025.0	2038.0	1022.0	111.	92.	AG	835.	8.1	.0	32.0		
19. EB	I-70 dep	2038.0	1022.0	2165.0	1012.0	127.	95.	AG	835.	8.1	.0	32.0		
20. WB	I-70	2167.0	1036.0	2010.0	1050.0	158.	275.	AG	945.	8.1	.0	32.0		
21. WB	I-70	2010.0	1050.0	1839.0	1047.0	171.	269.	AG	945.	8.1	.0	32.0		
22. WB	I-70	1839.0	1047.0	1713.0	1042.0	126.	268.	AG	945.	8.1	.0	32.0		
23. WB	I-70	1713.0	1042.0	1406.0	1029.0	307.	268.	AG	945.	8.1	.0	32.0		
24. WB	I-70	1406.0	1029.0	1303.0	1027.0	103.	269.	AG	945.	8.1	.0	44.0		
25. WB	I-70 thru	1303.0	1027.0	1239.0	1019.0	64.	263.	AG	85.	8.1	.0	32.0		
26. WB	I-70 thru	1239.0	1019.0	1138.0	996.0	104.	257.	AG	85.	8.1	.0	32.0		
27. WB	I-70 thru	1167.0	1003.0	1209.2	1012.2	43.	78.	AG	99.	100.0	.0	12.0	.36	2.2
28. WB	I-70 left	1303.0	1027.0	1238.0	1008.0	68.	254.	AG	30.	8.1	.0	32.0		
29. WB	I-70 left	1238.0	1008.0	1141.0	984.0	100.	256.	AG	30.	8.1	.0	32.0		
30. WB	I-70 left	1169.0	991.0	1183.5	994.4	15.	77.	AG	97.	100.0	.0	12.0	.15	.8
31. WB	I-70 right	1303.0	1027.0	1227.0	1028.0	76.	271.	AG	830.	8.1	.0	32.0		
32. WB	I-70 right	1227.0	1028.0	1140.0	1008.0	89.	257.	AG	830.	8.1	.0	32.0		
33. WB	I-70 dep1	1138.0	996.0	1087.0	971.0	57.	244.	AG	105.	8.1	.0	32.0		
34. WB	I-70 dep1	1087.0	971.0	1033.0	952.0	57.	251.	AG	105.	8.1	.0	32.0		
35. WB	I-70 dep2	1033.0	952.0	940.0	928.0	96.	256.	AG	640.	8.1	.0	32.0		
36. WB	I-70 dep2	940.0	928.0	849.0	915.0	92.	262.	AG	640.	8.1	.0	32.0		
37. WB	I-70 dep2	849.0	915.0	755.0	912.0	94.	268.	AG	640.	8.1	.0	32.0		
38. WB	I-70 dep2	755.0	912.0	670.0	921.0	85.	276.	AG	640.	8.1	.0	32.0		
39. WB	I-70 dep2	670.0	921.0	586.0	937.0	86.	281.	AG	640.	8.1	.0	32.0		
40. WB	I-70 dep2	586.0	937.0	491.0	965.0	99.	286.	AG	640.	8.1	.0	32.0		
41. WB	I-70 dep2	491.0	965.0	408.0	983.0	85.	282.	AG	640.	8.1	.0	32.0		
42. WB	I-70 dep2	408.0	983.0	223.0	1009.0	187.	278.	AG	640.	8.1	.0	32.0		
43. WB	I-70 dep2	223.0	1009.0	152.0	1014.0	71.	274.	AG	640.	8.1	.0	32.0		
44. NB	Sec ap	994.0	-19.0	1185.0	723.0	766.	14.	AG	385.	8.3	.0	32.0		

JOB: S2 Security & Forest Park BDAM21 RUN: Site 2 Build AM 2021
DATE: 09/05/2012 TIME: 16:29:33.79

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. NB	Sec ap	1185.0	723.0	1191.0	849.0	126.	3.	AG	385.	8.3	.0	44.0		
46. NB	Sec ap	1191.0	849.0	1163.0	976.0	130.	348.	AG	385.	8.3	.0	56.0		
47. NB	Sec	1169.0	951.0	1182.8	888.1	64.	168.	AG	293.	100.0	.0	36.0	.55	3.3
48. NB	Sec dep	1163.0	976.0	1110.0	1049.0	90.	324.	AG	1425.	8.3	.0	44.0		
49. NB	Sec dep	1110.0	1049.0	1005.0	1235.0	214.	331.	AG	1425.	8.3	.0	44.0		
50. NB	Sec dep	1005.0	1235.0	684.0	1846.0	690.	332.	AG	1425.	8.3	.0	44.0		
51. SB	Sec ap	649.0	1831.0	980.0	1213.0	701.	152.	AG	1415.	8.3	.0	56.0		
52. SB	Sec th+lt	980.0	1213.0	1141.0	958.0	302.	148.	AG	880.	8.3	.0	44.0		
53. SB	Sec th+lt	1110.0	1007.0	1042.1	1114.9	128.	328.	AG	113.	100.0	.0	24.0	.47	6.5
54. SB	Sec right	980.0	1213.0	1066.0	1046.0	188.	153.	AG	535.	8.3	.0	32.0		
55. SB	Sec right	1066.0	1046.0	1063.0	993.0	53.	183.	AG	535.	8.3	.0	32.0		
56. SB	Sec right	1063.0	999.0	1070.7	1153.9	155.	3.	AG	56.	100.0	.0	12.0	.65	7.9
57. SB	Sec right	1063.0	993.0	1033.0	952.0	51.	216.	AG	535.	8.3	.0	32.0		
58. SB	Sec dep	1141.0	958.0	1151.0	896.0	63.	171.	AG	175.	8.3	.0	32.0		
59. SB	Sec dep	1151.0	896.0	1164.0	830.0	67.	169.	AG	175.	8.3	.0	32.0		
60. SB	Sec dep	1164.0	830.0	1165.0	746.0	84.	179.	AG	175.	8.3	.0	32.0		
61. SB	Sec dep	1165.0	746.0	1152.0	673.0	74.	190.	AG	175.	8.3	.0	32.0		
62. SB	Sec dep	1152.0	673.0	978.0	-12.0	707.	194.	AG	175.	8.3	.0	32.0		

JOB: S2 Security & Forest Park BDAM21 RUN: Site 2 Build AM 2021

DATE: 09/05/2012 TIME: 16:29:33.79

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
9. EB	I-70 t+rt	110	83	2.0	35	1859	43.60	1	3
12. EB	I-70 left	110	93	2.0	295	1852	43.60	1	3
27. WB	I-70 thru	110	93	2.0	85	2010	43.60	1	3
30. WB	I-70 left	110	91	2.0	30	1478	43.60	1	3
47. NB	Sec	110	92	2.0	385	1838	43.60	1	3
53. SB	Sec th+lt	110	53	2.0	880	1960	43.60	1	3
56. SB	Sec right	110	53	2.0	535	1708	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1185.0	634.0	5.0
2. SE 164 S	1218.0	790.0	5.0
3. SE 82 S	1215.0	872.0	5.0
4. SE MID	1201.0	957.0	5.0
5. SE 82 E	1280.0	980.0	5.0
6. SE 164 E	1362.0	987.0	5.0
7. SE MID E	1589.0	998.0	5.0
8. NE MID E	1550.0	1053.0	5.0
9. NE 164 E	1322.0	1050.0	5.0
10. NE 82 E	1239.0	1046.0	5.0
11. NE CNR	1155.0	1032.0	5.0
12. NE 82 N	1107.0	1103.0	5.0
13. NE 164 N	1066.0	1173.0	5.0
14. NE MID N	948.0	1395.0	5.0
15. NW MID N	873.0	1344.0	5.0
16. NW 164 N	978.0	1157.0	5.0
17. NW 82 N	1020.0	1087.0	5.0
18. NW CNR	1046.0	1003.0	5.0
19. NW 82 W	974.0	955.0	5.0
20. NW 164 W	893.0	939.0	5.0
21. NW MID W	688.0	936.0	5.0
22. SW MID W	679.0	869.0	5.0
23. SW 164 W	954.0	873.0	5.0
24. SW 82 W	1036.0	889.0	5.0
25. SW CNR	1119.0	910.0	5.0
26. SW 82 S	1147.0	832.0	5.0
27. SW 164 S	1147.0	750.0	5.0
28. SW MID S	1110.0	607.0	5.0

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JOB: S2 Security & Forest Park BDAM21 RUN: Site 2 Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.2	.1	.1	.4	.3	.4	.4	.0	.0	.0	.0	.1	.1	.1	.8	.6	.8	.9	.2	.2
5.	.2	.1	.1	.4	.3	.4	.4	.0	.0	.0	.0	.0	.0	.1	.8	.8	.7	.8	.4	.2
10.	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.7	.8	.6	.9	.3	.2
15.	.1	.0	.1	.3	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	1.0	.2	.2
20.	.0	.0	.1	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	1.0	.2	.1
25.	.0	.0	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.6	.7	.7	1.0	.3	.1
30.	.0	.0	.0	.4	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.9	.3	.2
35.	.0	.0	.0	.3	.4	.6	.5	.0	.0	.0	.0	.0	.0	.0	.5	.5	.6	1.0	.3	.2
40.	.0	.0	.1	.3	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.5	.5	.7	1.0	.4	.2
45.	.0	.0	.1	.3	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.5	.5	.8	1.0	.3	.2
50.	.0	.0	.1	.3	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.5	.5	.8	1.0	.3	.3
55.	.0	.0	.1	.5	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.6	.5	.8	1.0	.4	.3
60.	.0	.0	.2	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.0	.6	.5	.8	.8	.3	.3
65.	.0	.0	.2	.3	.6	.6	.6	.1	.0	.0	.1	.0	.0	.0	.6	.5	.8	.8	.4	.2
70.	.0	.0	.0	.4	.5	.6	.5	.1	.1	.0	.1	.0	.0	.0	.6	.5	.9	.8	.4	.4
75.	.0	.0	.0	.4	.5	.5	.5	.1	.2	.1	.1	.0	.0	.0	.5	.5	.9	.7	.5	.3
80.	.0	.0	.0	.3	.5	.5	.5	.2	.2	.3	.2	.0	.0	.0	.5	.5	.9	.8	.7	.3
85.	.0	.0	.0	.2	.4	.4	.5	.3	.3	.4	.5	.0	.0	.0	.5	.5	.9	.8	.7	.4
90.	.0	.0	.0	.1	.3	.3	.2	.4	.4	.4	.6	.0	.0	.0	.6	.5	.9	.7	.6	.4
95.	.0	.0	.0	.0	.1	.3	.2	.4	.4	.5	.6	.0	.0	.0	.6	.5	.9	.6	.7	.4
100.	.0	.0	.0	.0	.1	.1	.1	.5	.4	.5	.6	.0	.0	.0	.6	.5	1.0	.5	.6	.5
105.	.0	.0	.0	.0	.1	.1	.1	.6	.5	.5	.6	.1	.0	.0	.6	.5	1.1	.5	.6	.5
110.	.0	.0	.0	.0	.0	.1	.1	.6	.6	.4	.6	.1	.0	.0	.6	.7	1.1	.6	.6	.3
115.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.5	.5	.0	.1	.0	.6	.7	.9	.7	.6	.2
120.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.4	.0	.1	.0	.7	.9	1.0	.6	.4	.3
125.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.6	.5	.1	.1	.1	.7	.9	.9	.7	.4	.2
130.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.6	.2	.1	.1	.7	.9	.9	.5	.4	.2
135.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.7	.3	.2	.1	.7	.9	.8	.5	.3	.2

140. *	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.6	.4	.3	.3	.7	.7	.8	.5	.2	.2
145. *	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.7	.4	.6	.4	.6	.6	.7	.6	.2	.2
150. *	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.9	.6	.9	.5	.5	.4	.6	.4	.2	.2
155. *	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.9	.7	.9	.7	.4	.4	.2	.4	.2	.2
160. *	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	1.0	.6	1.0	.8	.2	.2	.1	.4	.2	.3
165. *	.0	.0	.0	.1	.0	.0	.0	.4	.3	.3	1.1	.8	1.1	.9	.1	.1	.1	.4	.2	.3
170. *	.0	.0	.0	.2	.0	.0	.0	.4	.4	.3	1.0	.8	1.3	.9	.1	.0	.1	.5	.3	.3
175. *	.0	.0	.0	.3	.0	.0	.0	.4	.4	.3	1.0	1.0	1.2	.8	.1	.0	.1	.5	.3	.3
180. *	.0	.0	.1	.4	.0	.0	.0	.5	.4	.4	1.0	.8	1.3	.8	.0	.0	.1	.4	.3	.3
185. *	.1	.1	.1	.5	.0	.0	.0	.5	.4	.4	.9	1.0	1.3	.8	.0	.0	.0	.3	.3	.3
190. *	.1	.1	.2	.6	.0	.0	.0	.5	.3	.4	.8	1.0	1.2	.8	.0	.0	.0	.3	.3	.3
195. *	.1	.2	.2	.7	.0	.0	.0	.5	.3	.6	.8	1.0	1.0	.8	.0	.0	.0	.3	.3	.3
200. *	.1	.2	.1	.8	.0	.0	.0	.5	.3	.6	.9	1.0	.9	.7	.0	.0	.0	.3	.3	.3
205. *	.2	.2	.1	.8	.0	.0	.0	.5	.4	.7	.8	1.0	.9	.7	.0	.0	.0	.3	.3	.3

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JOB: S2 Security & Forest Park BDAM21 RUN: Site 2 Build AM 2021

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.2	.2	.1	.9	.1	.0	.0	.5	.6	.7	.7	1.0	.8	.7	.0	.0	.0	.3	.3	.3
215. *	.2	.1	.1	.9	.1	.0	.0	.5	.6	.7	.8	.9	.8	.7	.0	.0	.0	.2	.3	.3
220. *	.1	.1	.2	.9	.1	.0	.0	.5	.6	.8	.9	.9	.7	.7	.0	.0	.0	.2	.4	.3
225. *	.1	.1	.2	.9	.2	.0	.0	.5	.4	.8	.9	1.0	.7	.7	.0	.0	.0	.1	.3	.3
230. *	.1	.1	.2	.8	.2	.1	.0	.5	.4	.8	1.0	1.0	.7	.7	.0	.0	.0	.1	.3	.4
235. *	.1	.1	.1	.9	.2	.1	.0	.5	.5	.8	.9	1.0	.7	.7	.0	.0	.0	.1	.2	.4
240. *	.1	.1	.1	.8	.2	.1	.0	.6	.5	.7	.9	1.0	.7	.7	.0	.0	.0	.1	.2	.4
245. *	.1	.1	.1	.9	.3	.1	.1	.6	.7	.7	.9	1.0	.7	.7	.0	.0	.0	.0	.2	.4
250. *	.1	.1	.1	.8	.4	.2	.1	.6	.7	.7	.9	1.0	.7	.7	.0	.0	.0	.0	.2	.3
255. *	.1	.1	.1	.8	.5	.2	.1	.5	.5	.7	.6	1.0	.7	.7	.0	.0	.0	.0	.2	.2
260. *	.1	.1	.1	1.0	.6	.3	.2	.5	.5	.5	.7	1.0	.7	.7	.0	.0	.0	.0	.2	.2
265. *	.1	.1	.1	1.0	.7	.4	.3	.5	.5	.5	.7	1.0	.7	.7	.0	.0	.0	.0	.2	.2
270. *	.1	.1	.2	1.0	.7	.5	.4	.3	.6	.5	.8	1.0	.7	.7	.0	.0	.0	.0	.0	.2
275. *	.1	.1	.2	.9	.7	.4	.5	.2	.4	.5	.9	.9	.7	.7	.0	.0	.0	.0	.0	.0
280. *	.1	.1	.4	.7	.8	.6	.5	.1	.2	.4	.9	.9	.7	.7	.0	.0	.0	.0	.0	.0
285. *	.1	.1	.5	.7	.9	.8	.6	.1	.2	.3	.9	.9	.7	.7	.0	.0	.0	.0	.0	.0
290. *	.1	.1	.5	.9	.9	.8	.6	.1	.1	.3	1.1	1.0	.8	.8	.0	.0	.0	.0	.0	.0
295. *	.1	.1	.6	.8	.8	.6	.6	.1	.2	.2	1.1	1.0	.8	.8	.0	.0	.0	.0	.0	.0
300. *	.1	.1	.7	.9	.8	.7	.5	.2	.3	.3	1.0	1.0	.9	.8	.0	.0	.0	.0	.0	.0
305. *	.1	.2	.8	1.0	.8	.8	.5	.2	.2	.3	1.1	1.0	.9	.9	.1	.0	.0	.0	.0	.0
310. *	.1	.2	.9	1.1	.9	.8	.5	.0	.2	.3	1.1	1.0	.8	.9	.1	.1	.0	.0	.0	.0
315. *	.1	.3	1.3	1.2	.7	.7	.5	.0	.2	.3	.9	1.0	.9	.9	.1	.1	.1	.0	.0	.0
320. *	.1	.4	1.3	1.2	.6	.7	.4	.0	.2	.2	.8	1.1	1.0	.9	.2	.2	.2	.1	.0	.0
325. *	.1	.6	1.3	1.2	.5	.5	.4	.0	.1	.2	.7	1.0	.8	.8	.4	.4	.5	.2	.0	.0
330. *	.1	.9	1.2	1.1	.5	.4	.5	.0	.0	.2	.6	.8	.8	.7	.5	.4	.5	.3	.1	.0
335. *	.2	.9	1.2	.9	.3	.4	.5	.0	.0	.0	.5	.6	.6	.5	.6	.7	.6	.5	.2	.0
340. *	.3	.9	1.1	.7	.3	.4	.5	.0	.0	.0	.3	.4	.5	.4	.7	.7	.8	.6	.2	.1
345. *	.1	.7	.7	.5	.3	.4	.4	.0	.0	.0	.2	.3	.3	.2	.7	.8	.9	.6	.2	.2
350. *	.2	.4	.3	.5	.3	.4	.4	.0	.0	.0	.0	.1	.2	.2	.8	.8	.9	.6	.2	.2
355. *	.2	.2	.3	.4	.3	.4	.4	.0	.0	.0	.0	.1	.1	.1	.8	.8	.8	1.0	.2	.2
360. *	.2	.1	.1	.4	.3	.4	.4	.0	.0	.0	.0	.1	.1	.1	.8	.6	.8	.9	.2	.2
MAX *	.3	.9	1.3	1.2	.9	.8	.6	.6	.7	.8	1.1	1.1	1.3	.9	.8	.9	1.1	1.0	.7	.5
DEGR. *	340	330	320	315	285	285	65	105	245	220	165	320	170	165	0	125	105	15	80	100

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JOB: S2 Security & Forest Park BDAM21 RUN: Site 2 Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.2	.4	.7	.8	.6	.1	.0
5. *	.1	.3	.4	.7	.6	.6	.1	.1
10. *	.2	.4	.3	.7	.4	.6	.2	.1
15. *	.2	.4	.4	.7	.3	.5	.2	.1
20. *	.2	.4	.4	.7	.3	.6	.3	.0
25. *	.2	.4	.5	.8	.4	.5	.3	.0
30. *	.2	.3	.5	.7	.5	.5	.3	.0
35. *	.2	.2	.5	.6	.5	.5	.2	.1
40. *	.0	.2	.5	.6	.6	.4	.2	.1
45. *	.0	.2	.3	.5	.5	.3	.2	.1
50. *	.0	.2	.3	.6	.6	.3	.2	.1
55. *	.0	.2	.4	.3	.6	.2	.2	.1
60. *	.0	.2	.2	.2	.7	.1	.1	.1
65. *	.0	.3	.2	.2	.6	.0	.1	.1
70. *	.0	.2	.2	.2	.7	.0	.1	.1
75. *	.0	.2	.2	.2	.7	.0	.1	.1
80. *	.1	.1	.2	.2	.6	.1	.1	.1
85. *	.1	.1	.1	.2	.6	.1	.1	.1
90. *	.2	.1	.1	.1	.6	.1	.1	.1
95. *	.2	.1	.1	.1	.5	.1	.1	.1

100.	*	.3	.0	.0	.1	.5	.1	.1	.1
105.	*	.4	.0	.0	.1	.4	.1	.1	.1
110.	*	.4	.0	.0	.0	.4	.1	.1	.1
115.	*	.4	.0	.0	.0	.3	.1	.1	.1
120.	*	.3	.0	.0	.0	.3	.1	.1	.1
125.	*	.3	.0	.0	.0	.2	.1	.0	.1
130.	*	.3	.0	.0	.0	.1	.1	.0	.1
135.	*	.3	.0	.0	.0	.1	.2	.0	.1
140.	*	.3	.0	.0	.0	.0	.2	.1	.1
145.	*	.3	.0	.0	.0	.0	.2	.2	.1
150.	*	.3	.0	.0	.0	.0	.2	.2	.2
155.	*	.3	.0	.0	.0	.0	.2	.2	.2
160.	*	.3	.0	.0	.0	.0	.2	.2	.2
165.	*	.3	.0	.0	.0	.0	.1	.2	.2
170.	*	.3	.0	.0	.0	.0	.1	.2	.2
175.	*	.3	.0	.0	.0	.0	.1	.2	.2
180.	*	.3	.0	.0	.0	.0	.1	.1	.2
185.	*	.3	.0	.0	.0	.0	.1	.1	.2
190.	*	.3	.0	.0	.0	.0	.0	.1	.2
195.	*	.3	.0	.0	.0	.0	.0	.1	.1
200.	*	.3	.0	.0	.0	.0	.0	.0	.0
205.	*	.3	.0	.0	.0	.0	.0	.0	.0

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JOB: S2 Security & Forest Park BDAM21 RUN: Site 2 Build AM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.2	.0	.0	.0	.0	.0	.0	.0
220.	*	.2	.0	.0	.0	.0	.0	.0	.0
225.	*	.2	.0	.0	.0	.0	.0	.0	.0
230.	*	.2	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.4	.0	.0	.0	.0	.0	.0	.0
260.	*	.4	.0	.0	.0	.0	.0	.0	.0
265.	*	.4	.0	.0	.0	.1	.0	.0	.0
270.	*	.4	.0	.1	.0	.1	.0	.0	.0
275.	*	.3	.0	.1	.0	.1	.0	.0	.0
280.	*	.1	.0	.1	.0	.3	.0	.0	.0
285.	*	.1	.1	.1	.0	.3	.0	.0	.0
290.	*	.1	.1	.2	.0	.4	.0	.0	.0
295.	*	.0	.1	.2	.1	.4	.0	.0	.0
300.	*	.0	.2	.1	.1	.4	.0	.0	.0
305.	*	.0	.2	.1	.1	.4	.1	.0	.0
310.	*	.0	.2	.1	.1	.5	.1	.0	.0
315.	*	.0	.2	.1	.1	.5	.1	.0	.0
320.	*	.0	.2	.2	.1	.7	.1	.0	.0
325.	*	.0	.2	.2	.1	.9	.2	.1	.0
330.	*	.0	.2	.2	.3	1.0	.4	.2	.0
335.	*	.0	.2	.2	.5	.9	.6	.3	.0
340.	*	.0	.2	.4	.5	1.0	.6	.4	.1
345.	*	.0	.2	.3	.5	1.1	.8	.5	.2
350.	*	.0	.3	.4	.8	.9	.6	.4	.0
355.	*	.0	.2	.4	.7	.8	.5	.3	.0
360.	*	.0	.2	.4	.7	.8	.6	.1	.0
MAX	*	.4	.4	.5	.8	1.1	.8	.5	.2
DEGR.	*	105	10	25	25	345	345	345	150

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 320 DEGREES FROM REC3 .
THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 170 DEGREES FROM REC13.
THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 315 DEGREES FROM REC4 .

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S2 Security & Forest Park BDAM35        60.0321.0.0000.000280.30480000    1    1
SE MID S                 1185.      634.       5.0
SE 164 S                 1218.      790.       5.0
SE 82 S                  1215.      872.       5.0
SE MID                   1201.      957.       5.0
SE 82 E                  1280.      980.       5.0
SE 164 E                 1362.      987.       5.0
SE MID E                 1589.      998.       5.0
NE MID E                 1550.     1053.       5.0
NE 164 E                 1322.     1050.       5.0
NE 82 E                  1239.     1046.       5.0
NE CNR                   1155.     1032.       5.0
NE 82 N                  1107.     1103.       5.0
NE 164 N                 1066.     1173.       5.0
NE MID N                  948.     1395.       5.0
NW MID N                  873.     1344.       5.0
NW 164 N                  978.     1157.       5.0
NW 82 N                  1020.     1087.       5.0
NW CNR                   1046.     1003.       5.0
NW 82 W                   974.      955.       5.0
NW 164 W                  893.      939.       5.0
NW MID W                  688.      936.       5.0
SW MID W                  679.      869.       5.0
SW 164 W                  954.      873.       5.0
SW 82 W                  1036.      889.       5.0
SW CNR                   1119.      910.       5.0
SW 82 S                  1147.      832.       5.0
SW 164 S                 1147.      750.       5.0
SW MID S                 1110.      607.       5.0
Site 2 Build AM 2035                     62  1   0
  1
EB        I-70      AG   151.  1001.   226.   996.    555. 7.8   0  32   30.
  1
EB        I-70      AG   226.   996.   421.   967.    555. 7.8   0  32   30.
  1
EB        I-70      AG   421.   967.   500.   950.    555. 7.8   0  32   30.
  1
EB        I-70      AG   500.   950.   659.   900.    555. 7.8   0  44   30.
  1
EB        I-70      AG   659.   900.   795.   890.    555. 7.8   0  56   30.
  1
EB        I-70      AG   795.   890.   916.   900.    555. 7.8   0  56   30.
  1
EB        I-70 th+rtAG   916.   900.   993.   899.    160. 7.8   0  44   30.
  1
EB        I-70 th+rtAG   993.   899.  1157.   952.    160. 7.8   0  44   30.
  2
EB        I-70 t+rt AG  1113.   938.  1001.   902.      0.  24   2
       120        89       2.0  160   42.1 1859 1 3
  1
EB        I-70 left AG   916.   900.   991.   921.    395. 7.8   0  44   30.
  1
EB        I-70 left AG   991.   921.  1150.   971.    395. 7.8   0  44   30.
  2
EB        I-70 left AG  1106.   958.  1007.   927.      0.  24   2
       120        98       2.0  395   42.1 1852 1 3
  1
EB        I-70 dep  AG  1157.   952.  1202.   986.   1005. 7.8   0  32   30.
  1
EB        I-70 dep  AG  1202.   986.  1290.  1001.   1005. 7.8   0  32   30.
  1
EB        I-70 dep  AG  1290.  1001.  1576.  1015.   1005. 7.8   0  32   30.
  1
EB        I-70 dep  AG  1576.  1015.  1774.  1024.   1005. 7.8   0  32   30.
  1
EB        I-70 dep  AG  1774.  1024.  1927.  1025.   1005. 7.8   0  32   30.
  1
EB        I-70 dep  AG  1927.  1025.  2038.  1022.   1005. 7.8   0  32   30.
  1
EB        I-70 dep  AG  2038.  1022.  2165.  1012.   1005. 7.8   0  32   30.
  1
WB        I-70      AG  2167.  1036.  2010.  1050.    805. 7.8   0  32   30.
  1
WB        I-70      AG  2010.  1050.  1839.  1047.    805. 7.8   0  32   30.
  1
WB        I-70      AG  1839.  1047.  1713.  1042.    805. 7.8   0  32   30.
  1
WB        I-70      AG  1713.  1042.  1406.  1029.    805. 7.8   0  32   30.
  1
WB        I-70      AG  1406.  1029.  1303.  1027.    805. 7.8   0  44   30.
  1
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WB        I-70 thru AG  1303.  1027.  1239.  1019.    125. 7.8   0  32   30.
  1
WB        I-70 thru AG  1239.  1019.  1138.   996.    125. 7.8   0  32   30.
  2
WB        I-70 thru AG  1167.  1003.  1231.  1017.      0.  12   1
       120       103       2.0  125   42.1 2010 1 3
  1
WB        I-70 left AG  1303.  1027.  1238.  1008.     30. 7.8   0  32   30.
  1
WB        I-70 left AG  1238.  1008.  1141.   984.     30. 7.8   0  32   30.
  2
WB        I-70 left AG  1169.   991.  1228.  1005.      0.  12   1
       120       101       2.0   30   42.1 1327 1 3
  1
WB        I-70 rightAG  1303.  1027.  1227.  1028.    650. 7.8   0  32   30.
  1
WB        I-70 rightAG  1227.  1028.  1140.  1008.    650. 7.8   0  32   30.
  1
WB        I-70 dep1 AG  1138.   996.  1087.   971.    170. 7.8   0  32   30.
  1
WB        I-70 dep1 AG  1087.   971.  1033.   952.    170. 7.8   0  32   30.
  1
WB        I-70 dep2 AG  1033.   952.   940.   928.   1020. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   940.   928.   849.   915.   1020. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   849.   915.   755.   912.   1020. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   755.   912.   670.   921.   1020. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   670.   921.   586.   937.   1020. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   586.   937.   491.   965.   1020. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   491.   965.   408.   983.   1020. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   408.   983.   223.  1009.   1020. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   223.  1009.   152.  1014.   1020. 7.8   0  32   30.
  1
NB        Sec ap    AG   994.   -19.  1185.   723.    445. 8.1   0  32   40.
  1
NB        Sec ap    AG  1185.   723.  1191.   849.    445. 8.1   0  44   40.
  1
NB        Sec ap    AG  1191.   849.  1163.   976.    445. 8.1   0  56   40.
  2
NB        Sec       AG  1169.   951.  1189.   860.      0.  36   3
       120       100       2.0  445   42.1 1834 1 3
  1
NB        Sec dep   AG  1163.   976.  1110.  1049.   1380. 8.1   0  44   40.
  1
NB        Sec dep   AG  1110.  1049.  1005.  1235.   1380. 8.1   0  44   40.
  1
NB        Sec dep   AG  1005.  1235.   684.  1846.   1380. 8.1   0  44   40.
  1
SB        Sec ap    AG   649.  1831.   980.  1213.   1775. 8.1   0  56   40.
  1
SB        Sec th+lt AG   980.  1213.  1141.   958.    925. 8.1   0  44   40.
  2
SB        Sec th+lt AG  1110.  1007.  1032.  1131.      0.  24   2
       120        59       2.0  925   42.1 1960 1 3
  1
SB        Sec right AG   980.  1213.  1066.  1046.    850. 8.1   0  32   40.
  1
SB        Sec right AG  1066.  1046.  1063.   993.    850. 8.1   0  32   40.
  2
SB        Sec right AG  1063.   999.  1065.  1039.      0.  12   1
       120        59       2.0  850   42.1 1708 1 3
  1
SB        Sec right AG  1063.   993.  1033.   952.    850. 8.1   0  32   40.
  1
SB        Sec dep   AG  1141.   958.  1151.   896.    175. 8.1   0  32   40.
  1
SB        Sec dep   AG  1151.   896.  1164.   830.    175. 8.1   0  32   40.
  1
SB        Sec dep   AG  1164.   830.  1165.   746.    175. 8.1   0  32   40.
  1
SB        Sec dep   AG  1165.   746.  1152.   673.    175. 8.1   0  32   40.
  1
SB        Sec dep   AG  1152.   673.   978.   -12.    225. 8.1   0  32   40.
1.0   04  1000   0Y  5  0 72
```

JOB: S2 Security & Forest Park BDAM35 RUN: Site 2 Build AM 2035
DATE: 09/05/2012 TIME: 16:16:37.09

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	I-70	151.0	1001.0	226.0	996.0	75.	94.	AG	555.	7.8	.0	32.0		
2. EB	I-70	226.0	996.0	421.0	967.0	197.	98.	AG	555.	7.8	.0	32.0		
3. EB	I-70	421.0	967.0	500.0	950.0	81.	102.	AG	555.	7.8	.0	32.0		
4. EB	I-70	500.0	950.0	659.0	900.0	167.	107.	AG	555.	7.8	.0	44.0		
5. EB	I-70	659.0	900.0	795.0	890.0	136.	94.	AG	555.	7.8	.0	56.0		
6. EB	I-70	795.0	890.0	916.0	900.0	121.	85.	AG	555.	7.8	.0	56.0		
7. EB	I-70 th+rt	916.0	900.0	993.0	899.0	77.	91.	AG	160.	7.8	.0	44.0		
8. EB	I-70 th+rt	993.0	899.0	1157.0	952.0	172.	72.	AG	160.	7.8	.0	44.0		
9. EB	I-70 t+rt	1113.0	938.0	1075.9	926.1	39.	252.	AG	168.	100.0	.0	24.0	.19	2.0
10. EB	I-70 left	916.0	900.0	991.0	921.0	78.	74.	AG	395.	7.8	.0	44.0		
11. EB	I-70 left	991.0	921.0	1150.0	971.0	167.	73.	AG	395.	7.8	.0	44.0		
12. EB	I-70 left	1106.0	958.0	1001.4	925.2	110.	253.	AG	184.	100.0	.0	24.0	.71	5.6
13. EB	I-70 dep	1157.0	952.0	1202.0	986.0	56.	53.	AG	1005.	7.8	.0	32.0		
14. EB	I-70 dep	1202.0	986.0	1290.0	1001.0	89.	80.	AG	1005.	7.8	.0	32.0		
15. EB	I-70 dep	1290.0	1001.0	1576.0	1015.0	286.	87.	AG	1005.	7.8	.0	32.0		
16. EB	I-70 dep	1576.0	1015.0	1774.0	1024.0	198.	87.	AG	1005.	7.8	.0	32.0		
17. EB	I-70 dep	1774.0	1024.0	1927.0	1025.0	153.	90.	AG	1005.	7.8	.0	32.0		
18. EB	I-70 dep	1927.0	1025.0	2038.0	1022.0	111.	92.	AG	1005.	7.8	.0	32.0		
19. EB	I-70 dep	2038.0	1022.0	2165.0	1012.0	127.	95.	AG	1005.	7.8	.0	32.0		
20. WB	I-70	2167.0	1036.0	2010.0	1050.0	158.	275.	AG	805.	7.8	.0	32.0		
21. WB	I-70	2010.0	1050.0	1839.0	1047.0	171.	269.	AG	805.	7.8	.0	32.0		
22. WB	I-70	1839.0	1047.0	1713.0	1042.0	126.	268.	AG	805.	7.8	.0	32.0		
23. WB	I-70	1713.0	1042.0	1406.0	1029.0	307.	268.	AG	805.	7.8	.0	32.0		
24. WB	I-70	1406.0	1029.0	1303.0	1027.0	103.	269.	AG	805.	7.8	.0	44.0		
25. WB	I-70 thru	1303.0	1027.0	1239.0	1019.0	64.	263.	AG	125.	7.8	.0	32.0		
26. WB	I-70 thru	1239.0	1019.0	1138.0	996.0	104.	257.	AG	125.	7.8	.0	32.0		
27. WB	I-70 thru	1167.0	1003.0	1235.8	1018.0	70.	78.	AG	97.	100.0	.0	12.0	.58	3.6
28. WB	I-70 left	1303.0	1027.0	1238.0	1008.0	68.	254.	AG	30.	7.8	.0	32.0		
29. WB	I-70 left	1238.0	1008.0	1141.0	984.0	100.	256.	AG	30.	7.8	.0	32.0		
30. WB	I-70 left	1169.0	991.0	1185.1	994.8	17.	77.	AG	95.	100.0	.0	12.0	.18	.8
31. WB	I-70 right	1303.0	1027.0	1227.0	1028.0	76.	271.	AG	650.	7.8	.0	32.0		
32. WB	I-70 right	1227.0	1028.0	1140.0	1008.0	89.	257.	AG	650.	7.8	.0	32.0		
33. WB	I-70 dep1	1138.0	996.0	1087.0	971.0	57.	244.	AG	170.	7.8	.0	32.0		
34. WB	I-70 dep1	1087.0	971.0	1033.0	952.0	57.	251.	AG	170.	7.8	.0	32.0		
35. WB	I-70 dep2	1033.0	952.0	940.0	928.0	96.	256.	AG	1020.	7.8	.0	32.0		
36. WB	I-70 dep2	940.0	928.0	849.0	915.0	92.	262.	AG	1020.	7.8	.0	32.0		
37. WB	I-70 dep2	849.0	915.0	755.0	912.0	94.	268.	AG	1020.	7.8	.0	32.0		
38. WB	I-70 dep2	755.0	912.0	670.0	921.0	85.	276.	AG	1020.	7.8	.0	32.0		
39. WB	I-70 dep2	670.0	921.0	586.0	937.0	86.	281.	AG	1020.	7.8	.0	32.0		
40. WB	I-70 dep2	586.0	937.0	491.0	965.0	99.	286.	AG	1020.	7.8	.0	32.0		
41. WB	I-70 dep2	491.0	965.0	408.0	983.0	85.	282.	AG	1020.	7.8	.0	32.0		
42. WB	I-70 dep2	408.0	983.0	223.0	1009.0	187.	278.	AG	1020.	7.8	.0	32.0		
43. WB	I-70 dep2	223.0	1009.0	152.0	1014.0	71.	274.	AG	1020.	7.8	.0	32.0		
44. NB	Sec ap	994.0	-19.0	1185.0	723.0	766.	14.	AG	445.	8.1	.0	32.0		

JOB: S2 Security & Forest Park BDAM35 RUN: Site 2 Build AM 2035
DATE: 09/05/2012 TIME: 16:16:37.09

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. NB	Sec ap	1185.0	723.0	1191.0	849.0	126.	3.	AG	445.	8.1	.0	44.0		
46. NB	Sec ap	1191.0	849.0	1163.0	976.0	130.	348.	AG	445.	8.1	.0	56.0		
47. NB	Sec	1169.0	951.0	1186.4	872.0	81.	168.	AG	282.	100.0	.0	36.0	.61	4.1
48. NB	Sec dep	1163.0	976.0	1110.0	1049.0	90.	324.	AG	1380.	8.1	.0	44.0		
49. NB	Sec dep	1110.0	1049.0	1005.0	1235.0	214.	331.	AG	1380.	8.1	.0	44.0		
50. NB	Sec dep	1005.0	1235.0	684.0	1846.0	690.	332.	AG	1380.	8.1	.0	44.0		
51. SB	Sec ap	649.0	1831.0	980.0	1213.0	701.	152.	AG	1775.	8.1	.0	56.0		
52. SB	Sec th+lt	980.0	1213.0	1141.0	958.0	302.	148.	AG	925.	8.1	.0	44.0		
53. SB	Sec th+lt	1110.0	1007.0	1030.6	1133.2	149.	328.	AG	111.	100.0	.0	24.0	.50	7.6
54. SB	Sec right	980.0	1213.0	1066.0	1046.0	188.	153.	AG	850.	8.1	.0	32.0		
55. SB	Sec right	1066.0	1046.0	1063.0	993.0	53.	183.	AG	850.	8.1	.0	32.0		
56. SB	Sec right	1063.0	999.0	1103.1	1801.3	803.	3.	AG	56.	100.0	.0	12.0	1.05	40.8
57. SB	Sec right	1063.0	993.0	1033.0	952.0	51.	216.	AG	850.	8.1	.0	32.0		
58. SB	Sec dep	1141.0	958.0	1151.0	896.0	63.	171.	AG	175.	8.1	.0	32.0		
59. SB	Sec dep	1151.0	896.0	1164.0	830.0	67.	169.	AG	175.	8.1	.0	32.0		
60. SB	Sec dep	1164.0	830.0	1165.0	746.0	84.	179.	AG	175.	8.1	.0	32.0		
61. SB	Sec dep	1165.0	746.0	1152.0	673.0	74.	190.	AG	175.	8.1	.0	32.0		
62. SB	Sec dep	1152.0	673.0	978.0	-12.0	707.	194.	AG	225.	8.1	.0	32.0		

JOB: S2 Security & Forest Park BDAM35 RUN: Site 2 Build AM 2035

DATE: 09/05/2012 TIME: 16:16:37.09

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
9. EB	I-70 t+rt	120	89	2.0	160	1859	42.10	1	3
12. EB	I-70 left	120	98	2.0	395	1852	42.10	1	3
27. WB	I-70 thru	120	103	2.0	125	2010	42.10	1	3
30. WB	I-70 left	120	101	2.0	30	1327	42.10	1	3
47. NB	Sec	120	100	2.0	445	1834	42.10	1	3
53. SB	Sec th+lt	120	59	2.0	925	1960	42.10	1	3
56. SB	Sec right	120	59	2.0	850	1708	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1185.0	634.0	5.0
2. SE 164 S	1218.0	790.0	5.0
3. SE 82 S	1215.0	872.0	5.0
4. SE MID	1201.0	957.0	5.0
5. SE 82 E	1280.0	980.0	5.0
6. SE 164 E	1362.0	987.0	5.0
7. SE MID E	1589.0	998.0	5.0
8. NE MID E	1550.0	1053.0	5.0
9. NE 164 E	1322.0	1050.0	5.0
10. NE 82 E	1239.0	1046.0	5.0
11. NE CNR	1155.0	1032.0	5.0
12. NE 82 N	1107.0	1103.0	5.0
13. NE 164 N	1066.0	1173.0	5.0
14. NE MID N	948.0	1395.0	5.0
15. NW MID N	873.0	1344.0	5.0
16. NW 164 N	978.0	1157.0	5.0
17. NW 82 N	1020.0	1087.0	5.0
18. NW CNR	1046.0	1003.0	5.0
19. NW 82 W	974.0	955.0	5.0
20. NW 164 W	893.0	939.0	5.0
21. NW MID W	688.0	936.0	5.0
22. SW MID W	679.0	869.0	5.0
23. SW 164 W	954.0	873.0	5.0
24. SW 82 W	1036.0	889.0	5.0
25. SW CNR	1119.0	910.0	5.0
26. SW 82 S	1147.0	832.0	5.0
27. SW 164 S	1147.0	750.0	5.0
28. SW MID S	1110.0	607.0	5.0

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JOB: S2 Security & Forest Park BDAM35 RUN: Site 2 Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.2	.2	.2	.5	.3	.5	.4	.0	.0	.0	.0	.2	.5	.1	.8	.8	1.1	1.1	.2	.2
5.	.2	.1	.1	.4	.3	.5	.4	.0	.0	.0	.0	.1	.4	.1	.8	.9	1.1	1.1	.5	.2
10.	.2	.1	.1	.4	.4	.5	.4	.0	.0	.0	.0	.0	.4	.0	.7	.9	.9	1.1	.6	.2
15.	.1	.0	.1	.5	.4	.4	.4	.0	.0	.0	.0	.0	.4	.0	.7	.8	1.0	1.1	.4	.2
20.	.0	.0	.1	.4	.5	.4	.4	.0	.0	.0	.0	.0	.4	.0	.7	.8	.9	1.1	.5	.1
25.	.0	.0	.1	.4	.5	.4	.4	.0	.0	.0	.0	.0	.4	.0	.7	.9	.9	1.1	.5	.1
30.	.0	.0	.0	.5	.4	.4	.4	.0	.0	.0	.0	.0	.4	.0	.6	.8	.9	1.1	.5	.2
35.	.0	.1	.1	.5	.4	.4	.5	.0	.0	.0	.0	.0	.3	.0	.6	.7	.9	1.0	.5	.2
40.	.0	.1	.1	.3	.4	.5	.5	.0	.0	.0	.0	.0	.3	.0	.6	.7	.9	1.0	.4	.2
45.	.0	.1	.1	.3	.4	.5	.5	.0	.0	.0	.0	.0	.3	.0	.6	.7	.9	1.1	.4	.3
50.	.0	.1	.1	.3	.4	.6	.5	.0	.0	.0	.0	.0	.3	.0	.6	.7	.9	1.1	.3	.3
55.	.0	.0	.1	.3	.5	.6	.6	.0	.0	.0	.0	.0	.3	.0	.6	.7	1.0	1.0	.5	.3
60.	.0	.0	.1	.3	.5	.6	.5	.0	.0	.0	.0	.0	.2	.0	.6	.7	1.0	.9	.5	.2
65.	.0	.0	.1	.4	.6	.6	.5	.1	.0	.0	.0	.0	.2	.0	.6	.7	1.0	.8	.5	.4
70.	.0	.0	.1	.3	.6	.5	.5	.1	.1	.0	.1	.0	.2	.0	.6	.7	1.0	.8	.5	.4
75.	.0	.0	.0	.3	.5	.5	.6	.1	.1	.0	.1	.0	.2	.0	.6	.7	1.0	.8	.6	.3
80.	.0	.0	.0	.2	.5	.5	.6	.2	.2	.2	.2	.0	.2	.0	.6	.7	1.0	.8	.9	.3
85.	.0	.0	.0	.1	.4	.4	.3	.3	.3	.4	.4	.0	.2	.0	.6	.7	1.0	.9	1.0	.6
90.	.0	.0	.0	.1	.3	.4	.3	.3	.4	.4	.5	.0	.2	.0	.6	.7	1.0	.9	1.0	.7
95.	.0	.0	.0	.1	.2	.2	.2	.4	.4	.4	.6	.0	.2	.0	.6	.7	1.0	.7	1.1	.5
100.	.0	.0	.0	.0	.1	.2	.2	.5	.4	.5	.6	.1	.2	.0	.7	.8	1.1	.6	1.0	.5
105.	.0	.0	.0	.0	.1	.1	.1	.5	.5	.5	.5	.1	.2	.0	.7	.9	1.1	.7	1.0	.7
110.	.0	.0	.0	.0	.0	.1	.1	.5	.5	.5	.6	.1	.2	.0	.7	.9	1.2	.8	1.0	.6
115.	.0	.0	.0	.0	.0	.1	.1	.5	.5	.4	.5	.1	.2	.0	.7	.9	1.1	.7	1.0	.6
120.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.5	.0	.3	.0	.8	1.0	1.2	.7	.8	.5
125.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.5	.0	.3	.1	.8	1.1	1.0	.8	.7	.4
130.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.6	.1	.3	.1	.8	1.1	1.0	.9	.7	.4
135.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.7	.3	.4	.1	.8	1.0	1.0	.9	.6	.4

140.	*	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.8	.4	.5	.3	.9	.9	1.0	.8	.6	.4
145.	*	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3	.7	.3	.8	.3	.8	.8	.7	.9	.5	.4
150.	*	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3	.9	.5	.9	.6	.7	.5	.7	.9	.4	.4
155.	*	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3	1.0	.6	1.1	.7	.4	.4	.5	.8	.4	.4
160.	*	.0	.0	.0	.1	.0	.0	.0	.3	.4	.3	1.1	.6	1.2	.7	.2	.3	.2	.8	.4	.4
165.	*	.0	.0	.0	.2	.0	.0	.0	.4	.4	.3	1.1	.8	1.3	1.0	.1	.1	.1	.7	.4	.4
170.	*	.0	.0	.0	.3	.0	.0	.0	.4	.4	.3	1.0	.8	1.6	.9	.1	.1	.1	.7	.4	.4
175.	*	.0	.0	.1	.4	.0	.0	.0	.4	.4	.4	1.0	1.0	1.5	1.0	.1	.1	.1	.6	.4	.4
180.	*	.1	.0	.1	.5	.0	.0	.0	.4	.4	.5	1.1	.9	1.5	.8	.0	.0	.1	.6	.4	.4
185.	*	.1	.1	.1	.6	.0	.0	.0	.4	.4	.5	1.0	.9	1.4	.8	.0	.0	.2	.7	.4	.4
190.	*	.1	.2	.2	.7	.0	.0	.0	.4	.3	.5	.7	1.0	1.4	.8	.0	.0	.2	.7	.4	.4
195.	*	.1	.2	.2	.8	.0	.0	.0	.4	.3	.6	.7	1.1	1.2	.7	.0	.0	.1	.6	.4	.4
200.	*	.2	.2	.2	.8	.0	.0	.0	.4	.3	.7	.8	1.1	1.1	.7	.0	.0	.1	.6	.4	.4
205.	*	.2	.2	.1	.9	.1	.0	.0	.4	.5	.8	.8	1.1	1.0	.7	.0	.0	.0	.5	.4	.4

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JOB: S2 Security & Forest Park BDAM35 RUN: Site 2 Build AM 2035

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.3	.2	.2	.9	.1	.0	.0	.4	.6	.8	.8	1.1	.9	.7	.0	.0	.0	.4	.4	.4
215.	*	.3	.2	.2	.9	.1	.0	.0	.4	.5	.8	1.0	1.1	.9	.7	.0	.0	.0	.3	.5	.4
220.	*	.3	.1	.2	.9	.2	.0	.0	.4	.5	.9	1.0	1.1	.8	.7	.0	.0	.0	.3	.5	.4
225.	*	.3	.1	.2	.9	.2	.0	.0	.5	.5	.8	1.1	.9	.8	.7	.0	.0	.0	.3	.5	.5
230.	*	.1	.1	.2	.8	.2	.1	.0	.5	.4	.9	1.1	1.0	.8	.7	.0	.0	.0	.1	.5	.5
235.	*	.1	.1	.1	.9	.2	.1	.0	.5	.4	.8	1.0	1.0	.7	.7	.0	.0	.0	.2	.4	.5
240.	*	.1	.1	.1	1.0	.2	.1	.0	.5	.5	.7	.9	1.0	.7	.7	.0	.0	.0	.2	.5	.5
245.	*	.1	.1	.2	1.0	.4	.2	.1	.5	.6	.7	.7	1.0	.7	.7	.0	.0	.0	.2	.5	.4
250.	*	.1	.1	.2	.9	.5	.2	.1	.5	.6	.6	.8	1.0	.7	.7	.0	.0	.0	.0	.6	.4
255.	*	.1	.1	.3	1.1	.5	.4	.2	.5	.6	.6	.7	1.0	.7	.7	.0	.0	.0	.0	.4	.5
260.	*	.1	.1	.4	1.1	.5	.4	.2	.4	.5	.4	.8	1.0	.7	.7	.0	.0	.0	.0	.3	.4
265.	*	.1	.1	.4	1.1	.7	.5	.3	.3	.5	.5	.8	1.0	.7	.7	.0	.0	.0	.0	.2	.2
270.	*	.1	.1	.5	1.1	.7	.4	.4	.3	.6	.5	.9	1.0	.7	.7	.0	.0	.0	.0	.2	.2
275.	*	.1	.1	.7	1.1	.8	.6	.5	.1	.4	.5	.9	1.0	.7	.7	.0	.0	.0	.0	.0	.2
280.	*	.1	.1	.8	.8	.9	.6	.6	.1	.3	.4	1.0	1.0	.8	.7	.0	.0	.0	.0	.0	.1
285.	*	.1	.1	.9	.7	.8	.7	.5	.1	.2	.4	1.0	.9	.7	.7	.0	.0	.0	.0	.0	.0
290.	*	.1	.1	1.0	.9	.9	.8	.6	.2	.1	.4	1.1	.9	.7	.8	.0	.0	.0	.0	.0	.0
295.	*	.1	.1	1.0	.8	.9	.7	.7	.1	.2	.5	1.0	1.1	.9	.9	.0	.0	.0	.0	.0	.0
300.	*	.1	.2	1.1	.9	1.0	.7	.7	.1	.3	.3	1.0	1.1	.9	.9	.0	.0	.0	.0	.0	.0
305.	*	.1	.2	1.2	1.0	.9	.8	.6	.1	.2	.3	1.2	1.2	.9	.9	.1	.0	.0	.0	.0	.0
310.	*	.1	.3	1.1	1.1	.9	.6	.6	.1	.2	.3	1.2	1.1	.9	.9	.1	.1	.1	.0	.0	.0
315.	*	.1	.3	1.5	1.3	.8	.6	.5	.0	.2	.3	1.1	1.1	.9	1.0	.2	.1	.1	.0	.0	.0
320.	*	.1	.5	1.5	1.3	.7	.6	.6	.0	.2	.2	1.1	1.1	1.0	.9	.2	.2	.3	.1	.0	.0
325.	*	.1	.6	1.4	1.2	.6	.6	.5	.0	.2	.2	.9	1.0	.9	.9	.4	.4	.5	.2	.0	.0
330.	*	.2	.9	1.5	1.2	.6	.5	.4	.0	.0	.2	.7	.9	.9	.7	.6	.5	.6	.5	.1	.0
335.	*	.2	.9	1.4	.9	.4	.5	.4	.0	.0	.0	.5	.7	.7	.6	.7	.8	.8	.5	.2	.0
340.	*	.2	1.0	1.2	.9	.4	.5	.4	.0	.0	.0	.4	.5	.6	.4	.8	.9	1.0	.7	.2	.1
345.	*	.3	.6	.7	.5	.4	.5	.3	.0	.0	.0	.2	.4	.5	.3	.9	.9	.9	.7	.3	.2
350.	*	.2	.5	.4	.5	.4	.5	.4	.0	.0	.0	.1	.2	.4	.2	.9	.9	1.0	.9	.3	.2
355.	*	.2	.3	.3	.5	.4	.5	.4	.0	.0	.0	.0	.2	.4	.1	.8	.8	1.0	1.1	.2	.2
360.	*	.2	.2	.2	.5	.3	.5	.4	.0	.0	.0	.0	.2	.5	.1	.8	.8	1.1	1.1	.2	.2
MAX	*	.3	1.0	1.5	1.3	1.0	.8	.7	.5	.6	.9	1.2	1.2	1.6	1.0	.9	1.1	1.2	1.1	1.1	.7
DEGR.	*	210	340	315	315	300	290	295	100	210	220	305	305	170	165	140	125	110	0	95	90

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JOB: S2 Security & Forest Park BDAM35 RUN: Site 2 Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.1	.3	.4	1.4	.9	.6	.2	.0
5.	*	.1	.3	.4	1.1	.7	.6	.2	.1
10.	*	.2	.3	.4	1.0	.4	.7	.3	.1
15.	*	.2	.4	.5	.9	.3	.6	.3	.1
20.	*	.2	.4	.7	.9	.3	.7	.4	.1
25.	*	.2	.4	.7	.9	.4	.7	.3	.1
30.	*	.2	.4	.6	.8	.4	.6	.3	.0
35.	*	.1	.4	.6	.8	.6	.6	.3	.2
40.	*	.1	.2	.6	.8	.6	.5	.2	.2
45.	*	.0	.2	.5	.7	.6	.5	.2	.2
50.	*	.0	.3	.5	.8	.6	.4	.2	.2
55.	*	.0	.4	.4	.7	.6	.4	.2	.2
60.	*	.0	.4	.3	.5	.8	.3	.1	.2
65.	*	.0	.4	.5	.3	.8	.2	.1	.2
70.	*	.1	.4	.4	.3	.7	.0	.1	.2
75.	*	.1	.2	.2	.3	.7	.1	.1	.2
80.	*	.1	.2	.2	.3	.7	.1	.1	.2
85.	*	.2	.2	.1	.2	.6	.1	.1	.2
90.	*	.3	.1	.1	.2	.6	.1	.1	.2
95.	*	.4	.1	.1	.2	.6	.1	.1	.2

100.	*	.4	.1	.1	.1	.6	.1	.1	.2
105.	*	.5	.1	.0	.1	.5	.1	.1	.2
110.	*	.5	.0	.0	.1	.5	.1	.1	.2
115.	*	.5	.0	.0	.0	.5	.1	.1	.2
120.	*	.5	.0	.0	.0	.4	.1	.1	.2
125.	*	.4	.0	.0	.0	.3	.1	.1	.2
130.	*	.4	.0	.0	.0	.3	.1	.0	.2
135.	*	.4	.0	.0	.0	.1	.1	.1	.2
140.	*	.4	.0	.0	.0	.1	.2	.1	.2
145.	*	.4	.0	.0	.0	.0	.2	.1	.2
150.	*	.4	.0	.0	.0	.0	.2	.2	.2
155.	*	.4	.0	.0	.0	.0	.2	.2	.2
160.	*	.4	.0	.0	.0	.0	.2	.2	.2
165.	*	.4	.0	.0	.0	.0	.2	.2	.2
170.	*	.4	.0	.0	.0	.0	.2	.2	.2
175.	*	.4	.0	.0	.0	.0	.1	.2	.2
180.	*	.4	.0	.0	.0	.0	.1	.1	.2
185.	*	.4	.0	.0	.0	.0	.1	.1	.2
190.	*	.4	.0	.0	.0	.0	.1	.1	.2
195.	*	.4	.0	.0	.0	.0	.0	.1	.2
200.	*	.4	.0	.0	.0	.0	.0	.0	.0
205.	*	.4	.0	.0	.0	.0	.0	.0	.0

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JOB: S2 Security & Forest Park BDAM35 RUN: Site 2 Build AM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.4	.0	.0	.0	.0	.0	.0	.0
215.	*	.4	.0	.0	.0	.0	.0	.0	.0
220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.5	.0	.0	.0	.0	.0	.0	.0
230.	*	.5	.0	.0	.0	.0	.0	.0	.0
235.	*	.5	.0	.0	.0	.0	.0	.0	.0
240.	*	.5	.0	.0	.0	.0	.0	.0	.0
245.	*	.4	.0	.0	.0	.0	.0	.0	.0
250.	*	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.4	.0	.0	.0	.0	.0	.0	.0
260.	*	.4	.0	.1	.0	.1	.0	.0	.0
265.	*	.5	.0	.1	.0	.2	.0	.0	.0
270.	*	.5	.0	.1	.1	.3	.0	.0	.0
275.	*	.5	.0	.2	.1	.4	.0	.0	.0
280.	*	.5	.1	.2	.1	.6	.0	.0	.0
285.	*	.2	.1	.3	.2	.7	.0	.0	.0
290.	*	.2	.2	.3	.2	.8	.0	.0	.0
295.	*	.1	.3	.3	.3	.8	.1	.0	.0
300.	*	.0	.4	.2	.2	.8	.1	.0	.0
305.	*	.0	.4	.2	.2	.9	.1	.0	.0
310.	*	.0	.4	.3	.2	.9	.1	.0	.0
315.	*	.0	.3	.2	.4	.9	.1	.0	.0
320.	*	.0	.3	.2	.4	1.1	.3	.1	.0
325.	*	.0	.3	.2	.4	1.2	.3	.2	.0
330.	*	.0	.3	.2	.6	1.3	.5	.2	.0
335.	*	.0	.3	.3	.7	1.4	.7	.3	.1
340.	*	.0	.2	.4	.7	1.4	.7	.4	.1
345.	*	.0	.3	.5	.7	1.4	1.0	.5	.1
350.	*	.0	.3	.5	1.0	1.2	.7	.5	.1
355.	*	.0	.3	.4	1.4	1.0	.5	.2	.0
360.	*	.1	.3	.4	1.4	.9	.6	.2	.0
MAX	*	.5	.4	.7	1.4	1.4	1.0	.5	.2
DEGR.	*	105	15	20	0	335	345	345	35

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 170 DEGREES FROM REC13.
THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 315 DEGREES FROM REC3 .
THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 0 DEGREES FROM REC24.

```
S2 Security & Forest Park BDPM21        60.0321.0.0000.000280.30480000    1    1
SE MID S                 1185.      634.       5.0
SE 164 S                 1218.      790.       5.0
SE 82 S                  1215.      872.       5.0
SE MID                   1201.      957.       5.0
SE 82 E                  1280.      980.       5.0
SE 164 E                 1362.      987.       5.0
SE MID E                 1589.      998.       5.0
NE MID E                 1550.     1053.       5.0
NE 164 E                 1322.     1050.       5.0
NE 82 E                  1239.     1046.       5.0
NE CNR                   1155.     1032.       5.0
NE 82 N                  1107.     1103.       5.0
NE 164 N                 1066.     1173.       5.0
NE MID N                  948.     1395.       5.0
NW MID N                  873.     1344.       5.0
NW 164 N                  978.     1157.       5.0
NW 82 N                  1020.     1087.       5.0
NW CNR                   1046.     1003.       5.0
NW 82 W                   974.      955.       5.0
NW 164 W                  893.      939.       5.0
NW MID W                  688.      936.       5.0
SW MID W                  679.      869.       5.0
SW 164 W                  954.      873.       5.0
SW 82 W                  1036.      889.       5.0
SW CNR                   1119.      910.       5.0
SW 82 S                  1147.      832.       5.0
SW 164 S                 1147.      750.       5.0
SW MID S                 1110.      607.       5.0
Site 2 Build PM 2021                     62  1   0
  1
EB        I-70      AG   151.  1001.   226.   996.    625. 8.1   0  32   30.
  1
EB        I-70      AG   226.   996.   421.   967.    625. 8.1   0  32   30.
  1
EB        I-70      AG   421.   967.   500.   950.    625. 8.1   0  32   30.
  1
EB        I-70      AG   500.   950.   659.   900.    625. 8.1   0  44   30.
  1
EB        I-70      AG   659.   900.   795.   890.    625. 8.1   0  56   30.
  1
EB        I-70      AG   795.   890.   916.   900.    625. 8.1   0  56   30.
  1
EB        I-70 th+rtAG   916.   900.   993.   899.     95. 8.1   0  44   30.
  1
EB        I-70 th+rtAG   993.   899.  1157.   952.     95. 8.1   0  44   30.
  2
EB        I-70 t+rt AG  1113.   938.  1001.   902.      0.  24   2
       115        79       2.0   91   43.6 1859 1 3
  1
EB        I-70 left AG   916.   900.   991.   921.    530. 8.1   0  44   30.
  1
EB        I-70 left AG   991.   921.  1150.   971.    530. 8.1   0  44   30.
  2
EB        I-70 left AG  1106.   958.  1007.   927.      0.  24   2
       115        87       2.0  530   43.6 1852 1 3
  1
EB        I-70 dep  AG  1157.   952.  1202.   986.    745. 8.1   0  32   30.
  1
EB        I-70 dep  AG  1202.   986.  1290.  1001.    745. 8.1   0  32   30.
  1
EB        I-70 dep  AG  1290.  1001.  1576.  1015.    745. 8.1   0  32   30.
  1
EB        I-70 dep  AG  1576.  1015.  1774.  1024.    745. 8.1   0  32   30.
  1
EB        I-70 dep  AG  1774.  1024.  1927.  1025.    745. 8.1   0  32   30.
  1
EB        I-70 dep  AG  1927.  1025.  2038.  1022.    745. 8.1   0  32   30.
  1
EB        I-70 dep  AG  2038.  1022.  2165.  1012.    745. 8.1   0  32   30.
  1
WB        I-70      AG  2167.  1036.  2010.  1050.   1185. 8.1   0  32   30.
  1
WB        I-70      AG  2010.  1050.  1839.  1047.   1185. 8.1   0  32   30.
  1
WB        I-70      AG  1839.  1047.  1713.  1042.   1185. 8.1   0  32   30.
  1
WB        I-70      AG  1713.  1042.  1406.  1029.   1185. 8.1   0  32   30.
  1
WB        I-70      AG  1406.  1029.  1303.  1027.   1185. 8.1   0  44   30.
  1
```

```
WB        I-70 thru AG  1303.  1027.  1239.  1019.     85. 8.1   0  32   30.
  1
WB        I-70 thru AG  1239.  1019.  1138.   996.     85. 8.1   0  32   30.
  2
WB        I-70 thru AG  1167.  1003.  1231.  1017.      0.  12   1
       115        99       2.0   85   43.6 2010 1 3
  1
WB        I-70 left AG  1303.  1027.  1238.  1008.     45. 8.1   0  32   30.
  1
WB        I-70 left AG  1238.  1008.  1141.   984.     45. 8.1   0  32   30.
  2
WB        I-70 left AG  1169.   991.  1228.  1005.      0.  12   1
       115        96       2.0   45   43.6 1422 1 3
  1
WB        I-70 rightAG  1303.  1027.  1227.  1028.   1055. 8.1   0  32   30.
  1
WB        I-70 rightAG  1227.  1028.  1140.  1008.   1055. 8.1   0  32   30.
  1
WB        I-70 dep1 AG  1138.   996.  1087.   971.    105. 8.1   0  32   30.
  1
WB        I-70 dep1 AG  1087.   971.  1033.   952.    105. 8.1   0  32   30.
  1
WB        I-70 dep2 AG  1033.   952.   940.   928.    755. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   940.   928.   849.   915.    755. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   849.   915.   755.   912.    755. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   755.   912.   670.   921.    755. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   670.   921.   586.   937.    755. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   586.   937.   491.   965.    755. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   491.   965.   408.   983.    755. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   408.   983.   223.  1009.    755. 8.1   0  32   30.
  1
WB        I-70 dep2 AG   223.  1009.   152.  1014.    755. 8.1   0  32   30.
  1
NB        Sec ap    AG   994.   -19.  1185.   723.    350. 8.3   0  32   40.
  1
NB        Sec ap    AG  1185.   723.  1191.   849.    350. 8.3   0  44   40.
  1
NB        Sec ap    AG  1191.   849.  1163.   976.    350. 8.3   0  56   40.
  2
NB        Sec       AG  1169.   951.  1189.   860.      0.  36   3
       115        98       2.0  350   43.6 1838 1 3
  1
NB        Sec dep   AG  1163.   976.  1110.  1049.   1870. 8.3   0  44   40.
  1
NB        Sec dep   AG  1110.  1049.  1005.  1235.   1870. 8.3   0  44   40.
  1
NB        Sec dep   AG  1005.  1235.   684.  1846.   1870. 8.3   0  44   40.
  1
SB        Sec ap    AG   649.  1831.   980.  1213.   1555. 8.3   0  56   40.
  1
SB        Sec th+lt AG   980.  1213.  1141.   958.    905. 8.3   0  44   40.
  2
SB        Sec th+lt AG  1110.  1007.  1032.  1131.      0.  24   2
       115        62       2.0  905   43.6 1960 1 3
  1
SB        Sec right AG   980.  1213.  1066.  1046.    650. 8.3   0  32   40.
  1
SB        Sec right AG  1066.  1046.  1063.   993.    650. 8.3   0  32   40.
  2
SB        Sec right AG  1063.   999.  1065.  1039.      0.  12   1
       115        62       2.0  650   43.6 1708 1 3
  1
SB        Sec right AG  1063.   993.  1033.   952.    650. 8.3   0  32   40.
  1
SB        Sec dep   AG  1141.   958.  1151.   896.    345. 8.3   0  32   40.
  1
SB        Sec dep   AG  1151.   896.  1164.   830.    345. 8.3   0  32   40.
  1
SB        Sec dep   AG  1164.   830.  1165.   746.    345. 8.3   0  32   40.
  1
SB        Sec dep   AG  1165.   746.  1152.   673.    345. 8.3   0  32   40.
  1
SB        Sec dep   AG  1152.   673.   978.   -12.    345. 8.3   0  32   40.
1.0   04  1000   0Y  5  0 72
```

JOB: S2 Security & Forest Park BDPM21 RUN: Site 2 Build PM 2021
DATE: 09/05/2012 TIME: 16:30:40.14

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	I-70	151.0	1001.0	226.0	996.0	75.	94.	AG	625.	8.1	.0	32.0		
2. EB	I-70	226.0	996.0	421.0	967.0	197.	98.	AG	625.	8.1	.0	32.0		
3. EB	I-70	421.0	967.0	500.0	950.0	81.	102.	AG	625.	8.1	.0	32.0		
4. EB	I-70	500.0	950.0	659.0	900.0	167.	107.	AG	625.	8.1	.0	44.0		
5. EB	I-70	659.0	900.0	795.0	890.0	136.	94.	AG	625.	8.1	.0	56.0		
6. EB	I-70	795.0	890.0	916.0	900.0	121.	85.	AG	625.	8.1	.0	56.0		
7. EB	I-70 th+rt	916.0	900.0	993.0	899.0	77.	91.	AG	95.	8.1	.0	44.0		
8. EB	I-70 th+rt	993.0	899.0	1157.0	952.0	172.	72.	AG	95.	8.1	.0	44.0		
9. EB	I-70 t+rt	1113.0	938.0	1094.5	932.1	19.	252.	AG	161.	100.0	.0	24.0	.09	1.0
10. EB	I-70 left	916.0	900.0	991.0	921.0	78.	74.	AG	530.	8.1	.0	44.0		
11. EB	I-70 left	991.0	921.0	1150.0	971.0	167.	73.	AG	530.	8.1	.0	44.0		
12. EB	I-70 left	1106.0	958.0	985.6	920.3	126.	253.	AG	177.	100.0	.0	24.0	.69	6.4
13. EB	I-70 dep	1157.0	952.0	1202.0	986.0	56.	53.	AG	745.	8.1	.0	32.0		
14. EB	I-70 dep	1202.0	986.0	1290.0	1001.0	89.	80.	AG	745.	8.1	.0	32.0		
15. EB	I-70 dep	1290.0	1001.0	1576.0	1015.0	286.	87.	AG	745.	8.1	.0	32.0		
16. EB	I-70 dep	1576.0	1015.0	1774.0	1024.0	198.	87.	AG	745.	8.1	.0	32.0		
17. EB	I-70 dep	1774.0	1024.0	1927.0	1025.0	153.	90.	AG	745.	8.1	.0	32.0		
18. EB	I-70 dep	1927.0	1025.0	2038.0	1022.0	111.	92.	AG	745.	8.1	.0	32.0		
19. EB	I-70 dep	2038.0	1022.0	2165.0	1012.0	127.	95.	AG	745.	8.1	.0	32.0		
20. WB	I-70	2167.0	1036.0	2010.0	1050.0	158.	275.	AG	1185.	8.1	.0	32.0		
21. WB	I-70	2010.0	1050.0	1839.0	1047.0	171.	269.	AG	1185.	8.1	.0	32.0		
22. WB	I-70	1839.0	1047.0	1713.0	1042.0	126.	268.	AG	1185.	8.1	.0	32.0		
23. WB	I-70	1713.0	1042.0	1406.0	1029.0	307.	268.	AG	1185.	8.1	.0	32.0		
24. WB	I-70	1406.0	1029.0	1303.0	1027.0	103.	269.	AG	1185.	8.1	.0	44.0		
25. WB	I-70 thru	1303.0	1027.0	1239.0	1019.0	64.	263.	AG	85.	8.1	.0	32.0		
26. WB	I-70 thru	1239.0	1019.0	1138.0	996.0	104.	257.	AG	85.	8.1	.0	32.0		
27. WB	I-70 thru	1167.0	1003.0	1212.0	1012.8	46.	78.	AG	101.	100.0	.0	12.0	.41	2.3
28. WB	I-70 left	1303.0	1027.0	1238.0	1008.0	68.	254.	AG	45.	8.1	.0	32.0		
29. WB	I-70 left	1238.0	1008.0	1141.0	984.0	100.	256.	AG	45.	8.1	.0	32.0		
30. WB	I-70 left	1169.0	991.0	1192.0	996.5	24.	77.	AG	98.	100.0	.0	12.0	.24	1.2
31. WB	I-70 right	1303.0	1027.0	1227.0	1028.0	76.	271.	AG	1055.	8.1	.0	32.0		
32. WB	I-70 right	1227.0	1028.0	1140.0	1008.0	89.	257.	AG	1055.	8.1	.0	32.0		
33. WB	I-70 dep1	1138.0	996.0	1087.0	971.0	57.	244.	AG	105.	8.1	.0	32.0		
34. WB	I-70 dep1	1087.0	971.0	1033.0	952.0	57.	251.	AG	105.	8.1	.0	32.0		
35. WB	I-70 dep2	1033.0	952.0	940.0	928.0	96.	256.	AG	755.	8.1	.0	32.0		
36. WB	I-70 dep2	940.0	928.0	849.0	915.0	92.	262.	AG	755.	8.1	.0	32.0		
37. WB	I-70 dep2	849.0	915.0	755.0	912.0	94.	268.	AG	755.	8.1	.0	32.0		
38. WB	I-70 dep2	755.0	912.0	670.0	921.0	85.	276.	AG	755.	8.1	.0	32.0		
39. WB	I-70 dep2	670.0	921.0	586.0	937.0	86.	281.	AG	755.	8.1	.0	32.0		
40. WB	I-70 dep2	586.0	937.0	491.0	965.0	99.	286.	AG	755.	8.1	.0	32.0		
41. WB	I-70 dep2	491.0	965.0	408.0	983.0	85.	282.	AG	755.	8.1	.0	32.0		
42. WB	I-70 dep2	408.0	983.0	223.0	1009.0	187.	278.	AG	755.	8.1	.0	32.0		
43. WB	I-70 dep2	223.0	1009.0	152.0	1014.0	71.	274.	AG	755.	8.1	.0	32.0		
44. NB	Sec ap	994.0	-19.0	1185.0	723.0	766.	14.	AG	350.	8.3	.0	32.0		

JOB: S2 Security & Forest Park BDPM21 RUN: Site 2 Build PM 2021
DATE: 09/05/2012 TIME: 16:30:40.14

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. NB	Sec ap	1185.0	723.0	1191.0	849.0	126.	3.	AG	350.	8.3	.0	44.0		
46. NB	Sec ap	1191.0	849.0	1163.0	976.0	130.	348.	AG	350.	8.3	.0	56.0		
47. NB	Sec	1169.0	951.0	1182.3	890.3	62.	168.	AG	299.	100.0	.0	36.0	.56	3.2
48. NB	Sec dep	1163.0	976.0	1110.0	1049.0	90.	324.	AG	1870.	8.3	.0	44.0		
49. NB	Sec dep	1110.0	1049.0	1005.0	1235.0	214.	331.	AG	1870.	8.3	.0	44.0		
50. NB	Sec dep	1005.0	1235.0	684.0	1846.0	690.	332.	AG	1870.	8.3	.0	44.0		
51. SB	Sec ap	649.0	1831.0	980.0	1213.0	701.	152.	AG	1555.	8.3	.0	56.0		
52. SB	Sec th+lt	980.0	1213.0	1141.0	958.0	302.	148.	AG	905.	8.3	.0	44.0		
53. SB	Sec th+lt	1110.0	1007.0	1028.4	1136.7	153.	328.	AG	126.	100.0	.0	24.0	.54	7.8
54. SB	Sec right	980.0	1213.0	1066.0	1046.0	188.	153.	AG	650.	8.3	.0	32.0		
55. SB	Sec right	1066.0	1046.0	1063.0	993.0	53.	183.	AG	650.	8.3	.0	32.0		
56. SB	Sec right	1063.0	999.0	1075.7	1253.3	255.	3.	AG	63.	100.0	.0	12.0	.89	12.9
57. SB	Sec right	1063.0	993.0	1033.0	952.0	51.	216.	AG	650.	8.3	.0	32.0		
58. SB	Sec dep	1141.0	958.0	1151.0	896.0	63.	171.	AG	345.	8.3	.0	32.0		
59. SB	Sec dep	1151.0	896.0	1164.0	830.0	67.	169.	AG	345.	8.3	.0	32.0		
60. SB	Sec dep	1164.0	830.0	1165.0	746.0	84.	179.	AG	345.	8.3	.0	32.0		
61. SB	Sec dep	1165.0	746.0	1152.0	673.0	74.	190.	AG	345.	8.3	.0	32.0		
62. SB	Sec dep	1152.0	673.0	978.0	-12.0	707.	194.	AG	345.	8.3	.0	32.0		

JOB: S2 Security & Forest Park BDPM21 RUN: Site 2 Build PM 2021

DATE: 09/05/2012 TIME: 16:30:40.14

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
9. EB	I-70 t+rt	115	79	2.0	91	1859	43.60	1	3
12. EB	I-70 left	115	87	2.0	530	1852	43.60	1	3
27. WB	I-70 thru	115	99	2.0	85	2010	43.60	1	3
30. WB	I-70 left	115	96	2.0	45	1422	43.60	1	3
47. NB	Sec	115	98	2.0	350	1838	43.60	1	3
53. SB	Sec th+lt	115	62	2.0	905	1960	43.60	1	3
56. SB	Sec right	115	62	2.0	650	1708	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1185.0	634.0	5.0
2. SE 164 S	1218.0	790.0	5.0
3. SE 82 S	1215.0	872.0	5.0
4. SE MID	1201.0	957.0	5.0
5. SE 82 E	1280.0	980.0	5.0
6. SE 164 E	1362.0	987.0	5.0
7. SE MID E	1589.0	998.0	5.0
8. NE MID E	1550.0	1053.0	5.0
9. NE 164 E	1322.0	1050.0	5.0
10. NE 82 E	1239.0	1046.0	5.0
11. NE CNR	1155.0	1032.0	5.0
12. NE 82 N	1107.0	1103.0	5.0
13. NE 164 N	1066.0	1173.0	5.0
14. NE MID N	948.0	1395.0	5.0
15. NW MID N	873.0	1344.0	5.0
16. NW 164 N	978.0	1157.0	5.0
17. NW 82 N	1020.0	1087.0	5.0
18. NW CNR	1046.0	1003.0	5.0
19. NW 82 W	974.0	955.0	5.0
20. NW 164 W	893.0	939.0	5.0
21. NW MID W	688.0	936.0	5.0
22. SW MID W	679.0	869.0	5.0
23. SW 164 W	954.0	873.0	5.0
24. SW 82 W	1036.0	889.0	5.0
25. SW CNR	1119.0	910.0	5.0
26. SW 82 S	1147.0	832.0	5.0
27. SW 164 S	1147.0	750.0	5.0
28. SW MID S	1110.0	607.0	5.0

1

JOB: S2 Security & Forest Park BDPM21 RUN: Site 2 Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.2	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.1	.4	.1	.8	1.0	1.0	1.0	.3	.2
5.	.2	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.1	.5	.1	.8	.9	.9	1.1	.4	.2
10.	.1	.0	.1	.4	.4	.4	.4	.0	.0	.0	.0	.1	.5	.1	.8	.8	1.0	1.1	.4	.2
15.	.0	.0	.1	.5	.4	.4	.4	.0	.0	.0	.0	.0	.5	.0	.8	.8	1.0	1.1	.4	.2
20.	.0	.0	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.4	.0	.7	.8	1.0	1.2	.4	.3
25.	.0	.0	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.4	.0	.7	.8	1.0	1.1	.5	.1
30.	.0	.0	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.4	.0	.7	.7	1.1	1.0	.4	.2
35.	.0	.0	.1	.3	.4	.5	.4	.0	.0	.0	.0	.0	.4	.0	.7	.8	1.1	1.0	.4	.2
40.	.0	.0	.2	.3	.5	.5	.4	.0	.0	.0	.0	.0	.3	.0	.7	.7	1.1	1.1	.4	.3
45.	.0	.0	.2	.3	.5	.6	.5	.0	.0	.0	.0	.0	.3	.0	.7	.7	1.1	1.1	.4	.3
50.	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.3	.0	.7	.7	1.1	1.1	.5	.3
55.	.0	.1	.2	.4	.5	.6	.5	.0	.0	.0	.0	.0	.3	.0	.7	.7	1.1	1.0	.4	.3
60.	.0	.0	.2	.4	.6	.6	.5	.1	.0	.0	.0	.0	.3	.0	.7	.8	1.1	1.1	.5	.3
65.	.0	.0	.2	.4	.5	.6	.6	.1	.1	.0	.1	.0	.3	.0	.7	.8	1.1	1.1	.5	.4
70.	.0	.0	.1	.4	.5	.6	.6	.1	.1	.1	.1	.0	.3	.0	.7	.8	1.1	1.1	.6	.5
75.	.0	.0	.0	.4	.5	.5	.5	.2	.2	.2	.2	.0	.3	.0	.7	.8	1.1	1.0	.6	.4
80.	.0	.0	.0	.4	.4	.5	.5	.2	.3	.3	.5	.0	.2	.0	.7	.8	1.1	.9	.9	.6
85.	.0	.0	.0	.2	.4	.5	.5	.5	.3	.4	.6	.0	.3	.0	.7	.8	1.1	.9	.9	.6
90.	.0	.0	.0	.1	.3	.3	.3	.6	.5	.5	.7	.0	.3	.0	.7	.8	1.1	.9	.9	.7
95.	.0	.0	.0	.0	.2	.3	.2	.6	.6	.5	.8	.1	.3	.0	.7	.9	1.2	.8	.7	.8
100.	.0	.0	.0	.0	.1	.1	.1	.7	.6	.7	.9	.1	.3	.0	.7	.9	1.2	.9	.8	.7
105.	.0	.0	.0	.0	.1	.1	.1	.6	.6	.6	.7	.0	.3	.0	.7	1.0	1.1	.5	.8	.6
110.	.0	.0	.0	.0	.0	.1	.1	.6	.6	.5	.6	.0	.4	.0	.8	1.1	1.3	.8	.8	.5
115.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.5	.5	.0	.3	.1	.9	1.1	1.3	.8	.8	.5
120.	.0	.0	.0	.0	.0	.0	.0	.5	.6	.5	.6	.2	.4	.1	.9	1.2	1.3	.8	.7	.4
125.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.6	.2	.4	.1	.8	1.1	1.3	.7	.7	.3
130.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.8	.3	.4	.1	.9	1.1	1.0	.6	.7	.3
135.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.9	.3	.5	.2	.8	1.2	.9	.7	.7	.3

140. *	.0	.0	.0	.0	.0	.0	.0	.6	.5	.4	.8	.4	.7	.3	.7	.9	.9	.7	.6	.4
145. *	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.9	.6	.9	.4	.8	.9	.8	.7	.6	.4
150. *	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	1.0	.6	1.3	.7	.5	.4	.7	.7	.7	.4
155. *	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	1.1	.9	1.3	.8	.4	.4	.5	.6	.6	.3
160. *	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	1.2	.9	1.4	.9	.2	.2	.1	.6	.5	.3
165. *	.0	.0	.0	.1	.0	.0	.0	.4	.4	.4	1.4	1.0	1.5	1.1	.1	.1	.1	.6	.5	.3
170. *	.0	.0	.0	.2	.0	.0	.0	.4	.4	.4	1.2	1.0	1.7	1.1	.1	.1	.1	.6	.4	.3
175. *	.0	.0	.0	.3	.0	.0	.0	.4	.4	.4	1.2	1.1	1.7	1.1	.1	.1	.1	.6	.4	.3
180. *	.0	.0	.1	.4	.0	.0	.0	.4	.4	.4	1.2	1.1	1.7	1.0	.0	.1	.1	.6	.4	.3
185. *	.1	.1	.1	.5	.0	.0	.0	.4	.4	.5	1.1	1.2	1.6	1.0	.0	.0	.1	.6	.3	.3
190. *	.1	.1	.1	.6	.0	.0	.0	.4	.4	.6	1.0	1.1	1.5	.9	.0	.0	.1	.7	.3	.3
195. *	.2	.2	.1	.7	.0	.0	.0	.4	.4	.5	1.0	1.1	1.5	.9	.0	.0	.1	.7	.3	.3
200. *	.2	.2	.1	.8	.0	.0	.0	.4	.5	.6	1.1	1.2	1.4	.9	.0	.0	.0	.5	.3	.3
205. *	.2	.2	.1	.8	.0	.0	.0	.4	.5	.6	1.0	1.2	1.2	.8	.0	.0	.0	.5	.3	.3

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JOB: S2 Security & Forest Park BDPM21 RUN: Site 2 Build PM 2021

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.2	.2	.1	.9	.1	.0	.0	.4	.6	.9	1.0	1.2	1.1	.8	.0	.0	.0	.5	.3	.3
215. *	.2	.1	.1	.9	.1	.0	.0	.5	.6	.9	1.2	1.1	1.1	.8	.0	.0	.0	.4	.3	.3
220. *	.2	.1	.1	.9	.1	.0	.0	.6	.6	.7	1.2	1.2	1.0	.8	.0	.0	.0	.3	.4	.3
225. *	.2	.1	.2	.9	.2	.0	.0	.6	.6	.8	1.1	1.1	.9	.8	.0	.0	.0	.2	.5	.3
230. *	.2	.1	.1	.8	.2	.0	.0	.6	.6	.8	1.2	1.1	.9	.8	.0	.0	.0	.2	.5	.4
235. *	.2	.1	.1	.9	.2	.1	.0	.6	.6	1.0	1.2	1.1	.9	.8	.0	.0	.0	.1	.5	.4
240. *	.2	.1	.1	.9	.2	.1	.0	.6	.7	1.0	1.2	1.1	.9	.8	.0	.0	.0	.1	.5	.4
245. *	.2	.1	.1	.9	.4	.1	.0	.7	.8	.9	1.0	1.1	.8	.8	.0	.0	.0	.1	.3	.5
250. *	.2	.1	.1	.9	.4	.2	.1	.7	.7	.9	1.1	1.1	.8	.8	.0	.0	.0	.0	.3	.5
255. *	.2	.2	.1	1.0	.4	.3	.1	.6	.6	.9	1.0	1.1	.8	.8	.0	.0	.0	.0	.3	.5
260. *	.2	.2	.1	.9	.5	.4	.2	.6	.6	.7	.9	1.1	.8	.8	.0	.0	.0	.0	.2	.4
265. *	.2	.2	.1	.9	.7	.5	.3	.6	.8	.6	1.0	1.1	.8	.8	.0	.0	.0	.0	.2	.2
270. *	.2	.2	.2	1.1	.8	.6	.3	.5	.7	.5	1.0	1.1	.8	.8	.0	.0	.0	.0	.1	.2
275. *	.2	.2	.3	1.0	.6	.7	.5	.2	.6	.5	1.0	1.1	.8	.8	.0	.0	.0	.0	.0	.2
280. *	.2	.2	.4	.8	.7	.8	.7	.2	.4	.5	1.0	1.2	1.0	.9	.0	.0	.0	.0	.0	.0
285. *	.2	.1	.4	1.0	.8	1.0	.6	.1	.3	.4	1.2	1.2	.9	.9	.0	.0	.0	.0	.0	.0
290. *	.2	.1	.5	1.0	.8	.9	.5	.1	.1	.4	1.2	1.2	.9	.9	.0	.0	.0	.0	.0	.0
295. *	.2	.2	.6	.9	.8	.6	.6	.3	.3	.4	1.2	1.1	1.1	.9	.0	.0	.0	.0	.0	.0
300. *	.2	.2	.7	1.0	.8	.8	.8	.2	.3	.5	1.2	1.3	1.0	1.0	.0	.0	.0	.0	.0	.0
305. *	.2	.2	.8	1.0	1.0	.8	.8	.2	.3	.5	1.4	1.4	1.1	1.0	.1	.0	.0	.0	.0	.0
310. *	.1	.2	1.0	1.2	.8	.8	.7	.1	.2	.3	1.5	1.2	1.1	1.1	.1	.1	.0	.0	.0	.0
315. *	.1	.3	1.3	1.4	.7	.7	.4	.0	.2	.3	1.2	1.4	1.1	1.1	.1	.1	.1	.0	.0	.0
320. *	.1	.5	1.3	1.4	.6	.6	.4	.0	.2	.3	1.1	1.2	1.2	1.1	.2	.3	.2	.1	.0	.0
325. *	.1	.7	1.3	1.4	.6	.5	.4	.0	.1	.2	1.1	1.2	1.2	1.1	.4	.4	.5	.2	.0	.0
330. *	.1	1.0	1.2	1.3	.6	.4	.4	.0	.0	.2	.9	1.0	1.1	.9	.5	.6	.6	.4	.1	.0
335. *	.4	1.0	1.2	1.0	.5	.4	.5	.0	.0	.1	.5	.8	.9	.7	.7	.8	.8	.7	.2	.0
340. *	.3	.9	1.1	.9	.4	.4	.5	.0	.0	.0	.4	.7	.7	.5	.8	.8	1.0	.8	.2	.1
345. *	.4	.8	.8	.8	.4	.4	.4	.0	.0	.0	.2	.4	.7	.3	.9	.9	1.0	.7	.2	.2
350. *	.2	.3	.5	.4	.4	.4	.4	.0	.0	.0	.1	.3	.4	.2	.9	1.0	1.1	.9	.2	.2
355. *	.2	.2	.3	.4	.4	.4	.4	.0	.0	.0	.0	.2	.5	.1	.9	.8	1.0	1.0	.2	.2
360. *	.2	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.1	.4	.1	.8	1.0	1.0	1.0	.3	.2
MAX *	.4	1.0	1.3	1.4	1.0	1.0	.8	.7	.8	1.0	1.5	1.4	1.7	1.1	.9	1.2	1.3	1.2	.9	.8
DEGR. *	335	330	320	315	305	285	300	100	245	235	310	305	170	165	130	120	110	20	80	95

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JOB: S2 Security & Forest Park BDPM21 RUN: Site 2 Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.2	.3	.4	1.1	.9	.6	.4	.0
5. *	.2	.5	.5	.9	.8	.6	.3	.1
10. *	.2	.5	.4	.9	.8	.6	.2	.1
15. *	.2	.5	.5	.9	.5	.6	.2	.1
20. *	.2	.5	.6	.9	.5	.5	.3	.0
25. *	.2	.5	.6	.8	.7	.5	.3	.1
30. *	.2	.5	.7	.8	.7	.5	.3	.1
35. *	.2	.4	.8	.7	.6	.4	.2	.1
40. *	.2	.3	1.0	.6	.6	.4	.2	.2
45. *	.0	.3	.9	.6	.7	.3	.2	.2
50. *	.0	.3	.8	.7	.6	.3	.2	.2
55. *	.1	.4	.5	.5	.6	.3	.2	.2
60. *	.1	.4	.5	.5	.7	.1	.2	.2
65. *	.1	.4	.5	.3	.6	.1	.2	.2
70. *	.0	.3	.4	.2	.9	.1	.2	.2
75. *	.1	.3	.3	.2	.9	.1	.2	.2
80. *	.1	.4	.2	.2	.7	.2	.2	.2
85. *	.2	.3	.1	.2	.7	.2	.2	.2
90. *	.3	.1	.1	.1	.7	.2	.2	.2
95. *	.4	.1	.1	.1	.6	.2	.2	.2

100.	*	.5	.1	.0	.1	.6	.2	.2	.2
105.	*	.5	.1	.0	.0	.5	.2	.2	.2
110.	*	.5	.0	.0	.0	.4	.2	.2	.2
115.	*	.4	.0	.0	.0	.3	.2	.2	.2
120.	*	.4	.0	.0	.0	.3	.2	.1	.2
125.	*	.4	.0	.0	.0	.2	.2	.1	.2
130.	*	.5	.0	.0	.0	.2	.2	.1	.2
135.	*	.5	.0	.0	.0	.1	.2	.1	.2
140.	*	.4	.0	.0	.0	.1	.2	.1	.2
145.	*	.4	.0	.0	.0	.1	.2	.2	.2
150.	*	.3	.0	.0	.0	.1	.2	.2	.2
155.	*	.3	.0	.0	.0	.0	.2	.2	.2
160.	*	.3	.0	.0	.0	.0	.2	.2	.2
165.	*	.3	.0	.0	.0	.0	.1	.2	.2
170.	*	.3	.0	.0	.0	.0	.1	.2	.2
175.	*	.3	.0	.0	.0	.0	.2	.3	.2
180.	*	.3	.0	.0	.0	.0	.2	.3	.2
185.	*	.3	.0	.0	.0	.0	.2	.3	.2
190.	*	.3	.0	.0	.0	.0	.0	.3	.2
195.	*	.3	.0	.0	.0	.0	.0	.3	.1
200.	*	.3	.0	.0	.0	.0	.0	.1	.1
205.	*	.3	.0	.0	.0	.0	.0	.0	.0

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JOB: S2 Security & Forest Park BDPM21 RUN: Site 2 Build PM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.5	.0	.0	.0	.0	.0	.0	.0
220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.5	.0	.0	.0	.0	.0	.0	.0
230.	*	.4	.0	.0	.0	.0	.0	.0	.0
235.	*	.4	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.4	.0	.0	.0	.0	.0	.0	.0
250.	*	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.4	.0	.0	.0	.1	.0	.0	.0
260.	*	.4	.0	.1	.0	.1	.0	.0	.0
265.	*	.4	.0	.1	.0	.1	.0	.0	.0
270.	*	.5	.0	.1	.2	.3	.0	.0	.0
275.	*	.5	.1	.1	.2	.4	.0	.0	.0
280.	*	.3	.1	.1	.2	.5	.0	.0	.0
285.	*	.2	.1	.3	.3	.6	.0	.0	.0
290.	*	.1	.2	.2	.4	.6	.1	.0	.0
295.	*	.1	.2	.3	.3	.5	.1	.0	.0
300.	*	.0	.5	.3	.4	.5	.1	.0	.0
305.	*	.0	.4	.3	.4	.6	.1	.0	.0
310.	*	.0	.3	.3	.4	.6	.1	.0	.0
315.	*	.0	.3	.3	.5	.6	.1	.1	.0
320.	*	.0	.3	.2	.5	.8	.1	.1	.0
325.	*	.0	.3	.2	.5	1.2	.3	.1	.0
330.	*	.0	.3	.2	.7	1.3	.6	.3	.0
335.	*	.0	.3	.3	.7	1.4	.6	.4	.0
340.	*	.0	.3	.4	.7	1.4	.8	.5	.2
345.	*	.0	.2	.5	.8	1.4	.9	.6	.2
350.	*	.0	.3	.4	.9	1.3	.8	.6	.3
355.	*	.0	.3	.4	1.0	1.1	.7	.5	.0
360.	*	.2	.3	.4	1.1	.9	.6	.4	.0
MAX	*	.5	.5	1.0	1.1	1.4	.9	.6	.3
DEGR.	*	100	5	40	0	335	345	345	350

THE HIGHEST CONCENTRATION IS 1.70 PPM AT 170 DEGREES FROM REC13.
THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 310 DEGREES FROM REC11.
THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 335 DEGREES FROM REC25.

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S2 Security & Forest Park BDPM35        60.0321.0.0000.000280.30480000    1    1
SE MID S                 1185.      634.       5.0
SE 164 S                 1218.      790.       5.0
SE 82 S                  1215.      872.       5.0
SE MID                   1201.      957.       5.0
SE 82 E                  1280.      980.       5.0
SE 164 E                 1362.      987.       5.0
SE MID E                 1589.      998.       5.0
NE MID E                 1550.     1053.       5.0
NE 164 E                 1322.     1050.       5.0
NE 82 E                  1239.     1046.       5.0
NE CNR                   1155.     1032.       5.0
NE 82 N                  1107.     1103.       5.0
NE 164 N                 1066.     1173.       5.0
NE MID N                  948.     1395.       5.0
NW MID N                  873.     1344.       5.0
NW 164 N                  978.     1157.       5.0
NW 82 N                  1020.     1087.       5.0
NW CNR                   1046.     1003.       5.0
NW 82 W                   974.      955.       5.0
NW 164 W                  893.      939.       5.0
NW MID W                  688.      936.       5.0
SW MID W                  679.      869.       5.0
SW 164 W                  954.      873.       5.0
SW 82 W                  1036.      889.       5.0
SW CNR                   1119.      910.       5.0
SW 82 S                  1147.      832.       5.0
SW 164 S                 1147.      750.       5.0
SW MID S                 1110.      607.       5.0
Site 2 Build PM 2035                     62  1   0
  1
EB        I-70      AG   151.  1001.   226.   996.   1125. 7.8   0  32   30.
  1
EB        I-70      AG   226.   996.   421.   967.   1125. 7.8   0  32   30.
  1
EB        I-70      AG   421.   967.   500.   950.   1125. 7.8   0  32   30.
  1
EB        I-70      AG   500.   950.   659.   900.   1125. 7.8   0  44   30.
  1
EB        I-70      AG   659.   900.   795.   890.   1125. 7.8   0  56   30.
  1
EB        I-70      AG   795.   890.   916.   900.   1125. 7.8   0  56   30.
  1
EB        I-70 th+rtAG   916.   900.   993.   899.    340. 7.8   0  44   30.
  1
EB        I-70 th+rtAG   993.   899.  1157.   952.    340. 7.8   0  44   30.
  2
EB        I-70 t+rt AG  1113.   938.  1001.   902.      0.  24   2
       116        71       2.0  340   42.1 1859 1 3
  1
EB        I-70 left AG   916.   900.   991.   921.    785. 7.8   0  44   30.
  1
EB        I-70 left AG   991.   921.  1150.   971.    785. 7.8   0  44   30.
  2
EB        I-70 left AG  1106.   958.  1007.   927.      0.  24   2
       116        78       2.0  785   42.1 1852 1 3
  1
EB        I-70 dep  AG  1157.   952.  1202.   986.    865. 7.8   0  32   30.
  1
EB        I-70 dep  AG  1202.   986.  1290.  1001.    865. 7.8   0  32   30.
  1
EB        I-70 dep  AG  1290.  1001.  1576.  1015.    865. 7.8   0  32   30.
  1
EB        I-70 dep  AG  1576.  1015.  1774.  1024.    865. 7.8   0  32   30.
  1
EB        I-70 dep  AG  1774.  1024.  1927.  1025.    865. 7.8   0  32   30.
  1
EB        I-70 dep  AG  1927.  1025.  2038.  1022.    865. 7.8   0  32   30.
  1
EB        I-70 dep  AG  2038.  1022.  2165.  1012.    865. 7.8   0  32   30.
  1
WB        I-70      AG  2167.  1036.  2010.  1050.    895. 7.8   0  32   30.
  1
WB        I-70      AG  2010.  1050.  1839.  1047.    895. 7.8   0  32   30.
  1
WB        I-70      AG  1839.  1047.  1713.  1042.    895. 7.8   0  32   30.
  1
WB        I-70      AG  1713.  1042.  1406.  1029.    895. 7.8   0  32   30.
  1
WB        I-70      AG  1406.  1029.  1303.  1027.    895. 7.8   0  44   30.
  1
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WB        I-70 thru AG  1303.  1027.  1239.  1019.     80. 7.8   0  32   30.
  1
WB        I-70 thru AG  1239.  1019.  1138.   996.     80. 7.8   0  32   30.
  2
WB        I-70 thru AG  1167.  1003.  1231.  1017.      0.  12   1
       116       101       2.0   80   42.1 2010 1 3
  1
WB        I-70 left AG  1303.  1027.  1238.  1008.     45. 7.8   0  32   30.
  1
WB        I-70 left AG  1238.  1008.  1141.   984.     45. 7.8   0  32   30.
  2
WB        I-70 left AG  1169.   991.  1228.  1005.      0.  12   1
       116        98       2.0   45   42.1 1131 1 3
  1
WB        I-70 rightAG  1303.  1027.  1227.  1028.    770. 7.8   0  32   30.
  1
WB        I-70 rightAG  1227.  1028.  1140.  1008.    770. 7.8   0  32   30.
  1
WB        I-70 dep1 AG  1138.   996.  1087.   971.    100. 7.8   0  32   30.
  1
WB        I-70 dep1 AG  1087.   971.  1033.   952.    100. 7.8   0  32   30.
  1
WB        I-70 dep2 AG  1033.   952.   940.   928.   1030. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   940.   928.   849.   915.   1030. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   849.   915.   755.   912.   1030. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   755.   912.   670.   921.   1030. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   670.   921.   586.   937.   1030. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   586.   937.   491.   965.   1030. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   491.   965.   408.   983.   1030. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   408.   983.   223.  1009.   1030. 7.8   0  32   30.
  1
WB        I-70 dep2 AG   223.  1009.   152.  1014.   1030. 7.8   0  32   30.
  1
NB        Sec ap    AG   994.   -19.  1185.   723.    300. 8.1   0  32   40.
  1
NB        Sec ap    AG  1185.   723.  1191.   849.    300. 8.1   0  44   40.
  1
NB        Sec ap    AG  1191.   849.  1163.   976.    300. 8.1   0  56   40.
  2
NB        Sec       AG  1169.   951.  1189.   860.      0.  36   3
       116       101       2.0  300   42.1 1837 1 3
  1
NB        Sec dep   AG  1163.   976.  1110.  1049.   1795. 8.1   0  44   40.
  1
NB        Sec dep   AG  1110.  1049.  1005.  1235.   1795. 8.1   0  44   40.
  1
NB        Sec dep   AG  1005.  1235.   684.  1846.   1795. 8.1   0  44   40.
  1
SB        Sec ap    AG   649.  1831.   980.  1213.   1580. 8.1   0  56   40.
  1
SB        Sec th+lt AG   980.  1213.  1141.   958.    650. 8.1   0  44   40.
  2
SB        Sec th+lt AG  1110.  1007.  1032.  1131.      0.  24   2
       116        69       2.0  650   42.1 1960 1 3
  1
SB        Sec right AG   980.  1213.  1066.  1046.    930. 8.1   0  32   40.
  1
SB        Sec right AG  1066.  1046.  1063.   993.    930. 8.1   0  32   40.
  2
SB        Sec right AG  1063.   999.  1065.  1039.      0.  12   1
       116        69       2.0  930   42.1 1708 1 3
  1
SB        Sec right AG  1063.   993.  1033.   952.    930. 8.1   0  32   40.
  1
SB        Sec dep   AG  1141.   958.  1151.   896.    210. 8.1   0  32   40.
  1
SB        Sec dep   AG  1151.   896.  1164.   830.    210. 8.1   0  32   40.
  1
SB        Sec dep   AG  1164.   830.  1165.   746.    210. 8.1   0  32   40.
  1
SB        Sec dep   AG  1165.   746.  1152.   673.    210. 8.1   0  32   40.
  1
SB        Sec dep   AG  1152.   673.   978.   -12.    210. 8.1   0  32   40.
1.0   04  1000   0Y  5  0 72
```

JOB: S2 Security & Forest Park BDPM35 RUN: Site 2 Build PM 2035
DATE: 09/05/2012 TIME: 16:25:41.07

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	I-70	151.0	1001.0	226.0	996.0	75.	94.	AG	1125.	7.8	.0	32.0		
2. EB	I-70	226.0	996.0	421.0	967.0	197.	98.	AG	1125.	7.8	.0	32.0		
3. EB	I-70	421.0	967.0	500.0	950.0	81.	102.	AG	1125.	7.8	.0	32.0		
4. EB	I-70	500.0	950.0	659.0	900.0	167.	107.	AG	1125.	7.8	.0	44.0		
5. EB	I-70	659.0	900.0	795.0	890.0	136.	94.	AG	1125.	7.8	.0	56.0		
6. EB	I-70	795.0	890.0	916.0	900.0	121.	85.	AG	1125.	7.8	.0	56.0		
7. EB	I-70 th+rt	916.0	900.0	993.0	899.0	77.	91.	AG	340.	7.8	.0	44.0		
8. EB	I-70 th+rt	993.0	899.0	1157.0	952.0	172.	72.	AG	340.	7.8	.0	44.0		
9. EB	I-70 t+rt	1113.0	938.0	1050.2	917.8	66.	252.	AG	138.	100.0	.0	24.0	.26	3.4
10. EB	I-70 left	916.0	900.0	991.0	921.0	78.	74.	AG	785.	7.8	.0	44.0		
11. EB	I-70 left	991.0	921.0	1150.0	971.0	167.	73.	AG	785.	7.8	.0	44.0		
12. EB	I-70 left	1106.0	958.0	946.4	908.0	167.	253.	AG	152.	100.0	.0	24.0	.72	8.5
13. EB	I-70 dep	1157.0	952.0	1202.0	986.0	56.	53.	AG	865.	7.8	.0	32.0		
14. EB	I-70 dep	1202.0	986.0	1290.0	1001.0	89.	80.	AG	865.	7.8	.0	32.0		
15. EB	I-70 dep	1290.0	1001.0	1576.0	1015.0	286.	87.	AG	865.	7.8	.0	32.0		
16. EB	I-70 dep	1576.0	1015.0	1774.0	1024.0	198.	87.	AG	865.	7.8	.0	32.0		
17. EB	I-70 dep	1774.0	1024.0	1927.0	1025.0	153.	90.	AG	865.	7.8	.0	32.0		
18. EB	I-70 dep	1927.0	1025.0	2038.0	1022.0	111.	92.	AG	865.	7.8	.0	32.0		
19. EB	I-70 dep	2038.0	1022.0	2165.0	1012.0	127.	95.	AG	865.	7.8	.0	32.0		
20. WB	I-70	2167.0	1036.0	2010.0	1050.0	158.	275.	AG	895.	7.8	.0	32.0		
21. WB	I-70	2010.0	1050.0	1839.0	1047.0	171.	269.	AG	895.	7.8	.0	32.0		
22. WB	I-70	1839.0	1047.0	1713.0	1042.0	126.	268.	AG	895.	7.8	.0	32.0		
23. WB	I-70	1713.0	1042.0	1406.0	1029.0	307.	268.	AG	895.	7.8	.0	32.0		
24. WB	I-70	1406.0	1029.0	1303.0	1027.0	103.	269.	AG	895.	7.8	.0	44.0		
25. WB	I-70 thru	1303.0	1027.0	1239.0	1019.0	64.	263.	AG	80.	7.8	.0	32.0		
26. WB	I-70 thru	1239.0	1019.0	1138.0	996.0	104.	257.	AG	80.	7.8	.0	32.0		
27. WB	I-70 thru	1167.0	1003.0	1210.2	1012.4	44.	78.	AG	98.	100.0	.0	12.0	.42	2.2
28. WB	I-70 left	1303.0	1027.0	1238.0	1008.0	68.	254.	AG	45.	7.8	.0	32.0		
29. WB	I-70 left	1238.0	1008.0	1141.0	984.0	100.	256.	AG	45.	7.8	.0	32.0		
30. WB	I-70 left	1169.0	991.0	1192.5	996.6	24.	77.	AG	95.	100.0	.0	12.0	.33	1.2
31. WB	I-70 right	1303.0	1027.0	1227.0	1028.0	76.	271.	AG	770.	7.8	.0	32.0		
32. WB	I-70 right	1227.0	1028.0	1140.0	1008.0	89.	257.	AG	770.	7.8	.0	32.0		
33. WB	I-70 dep1	1138.0	996.0	1087.0	971.0	57.	244.	AG	100.	7.8	.0	32.0		
34. WB	I-70 dep1	1087.0	971.0	1033.0	952.0	57.	251.	AG	100.	7.8	.0	32.0		
35. WB	I-70 dep2	1033.0	952.0	940.0	928.0	96.	256.	AG	1030.	7.8	.0	32.0		
36. WB	I-70 dep2	940.0	928.0	849.0	915.0	92.	262.	AG	1030.	7.8	.0	32.0		
37. WB	I-70 dep2	849.0	915.0	755.0	912.0	94.	268.	AG	1030.	7.8	.0	32.0		
38. WB	I-70 dep2	755.0	912.0	670.0	921.0	85.	276.	AG	1030.	7.8	.0	32.0		
39. WB	I-70 dep2	670.0	921.0	586.0	937.0	86.	281.	AG	1030.	7.8	.0	32.0		
40. WB	I-70 dep2	586.0	937.0	491.0	965.0	99.	286.	AG	1030.	7.8	.0	32.0		
41. WB	I-70 dep2	491.0	965.0	408.0	983.0	85.	282.	AG	1030.	7.8	.0	32.0		
42. WB	I-70 dep2	408.0	983.0	223.0	1009.0	187.	278.	AG	1030.	7.8	.0	32.0		
43. WB	I-70 dep2	223.0	1009.0	152.0	1014.0	71.	274.	AG	1030.	7.8	.0	32.0		
44. NB	Sec ap	994.0	-19.0	1185.0	723.0	766.	14.	AG	300.	8.1	.0	32.0		

JOB: S2 Security & Forest Park BDPM35 RUN: Site 2 Build PM 2035
DATE: 09/05/2012 TIME: 16:25:41.07

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. NB	Sec ap	1185.0	723.0	1191.0	849.0	126.	3.	AG	300.	8.1	.0	44.0		
46. NB	Sec ap	1191.0	849.0	1163.0	976.0	130.	348.	AG	300.	8.1	.0	56.0		
47. NB	Sec	1169.0	951.0	1180.9	896.7	56.	168.	AG	295.	100.0	.0	36.0	.57	2.8
48. NB	Sec dep	1163.0	976.0	1110.0	1049.0	90.	324.	AG	1795.	8.1	.0	44.0		
49. NB	Sec dep	1110.0	1049.0	1005.0	1235.0	214.	331.	AG	1795.	8.1	.0	44.0		
50. NB	Sec dep	1005.0	1235.0	684.0	1846.0	690.	332.	AG	1795.	8.1	.0	44.0		
51. SB	Sec ap	649.0	1831.0	980.0	1213.0	701.	152.	AG	1580.	8.1	.0	56.0		
52. SB	Sec th+lt	980.0	1213.0	1141.0	958.0	302.	148.	AG	650.	8.1	.0	44.0		
53. SB	Sec th+lt	1110.0	1007.0	1044.7	1110.8	123.	328.	AG	134.	100.0	.0	24.0	.45	6.2
54. SB	Sec right	980.0	1213.0	1066.0	1046.0	188.	153.	AG	930.	8.1	.0	32.0		
55. SB	Sec right	1066.0	1046.0	1063.0	993.0	53.	183.	AG	930.	8.1	.0	32.0		
56. SB	Sec right	1063.0	999.0	1235.5	4448.5	3454.	3.	AG	67.	100.0	.0	12.0	1.47	175.5
57. SB	Sec right	1063.0	993.0	1033.0	952.0	51.	216.	AG	930.	8.1	.0	32.0		
58. SB	Sec dep	1141.0	958.0	1151.0	896.0	63.	171.	AG	210.	8.1	.0	32.0		
59. SB	Sec dep	1151.0	896.0	1164.0	830.0	67.	169.	AG	210.	8.1	.0	32.0		
60. SB	Sec dep	1164.0	830.0	1165.0	746.0	84.	179.	AG	210.	8.1	.0	32.0		
61. SB	Sec dep	1165.0	746.0	1152.0	673.0	74.	190.	AG	210.	8.1	.0	32.0		
62. SB	Sec dep	1152.0	673.0	978.0	-12.0	707.	194.	AG	210.	8.1	.0	32.0		

JOB: S2 Security & Forest Park BDPM35 RUN: Site 2 Build PM 2035

DATE: 09/05/2012 TIME: 16:25:41.07

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
9. EB	I-70 t+rt	116	71	2.0	340	1859	42.10	1	3
12. EB	I-70 left	116	78	2.0	785	1852	42.10	1	3
27. WB	I-70 thru	116	101	2.0	80	2010	42.10	1	3
30. WB	I-70 left	116	98	2.0	45	1131	42.10	1	3
47. NB	Sec	116	101	2.0	300	1837	42.10	1	3
53. SB	Sec th+lt	116	69	2.0	650	1960	42.10	1	3
56. SB	Sec right	116	69	2.0	930	1708	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1185.0	634.0	5.0
2. SE 164 S	1218.0	790.0	5.0
3. SE 82 S	1215.0	872.0	5.0
4. SE MID	1201.0	957.0	5.0
5. SE 82 E	1280.0	980.0	5.0
6. SE 164 E	1362.0	987.0	5.0
7. SE MID E	1589.0	998.0	5.0
8. NE MID E	1550.0	1053.0	5.0
9. NE 164 E	1322.0	1050.0	5.0
10. NE 82 E	1239.0	1046.0	5.0
11. NE CNR	1155.0	1032.0	5.0
12. NE 82 N	1107.0	1103.0	5.0
13. NE 164 N	1066.0	1173.0	5.0
14. NE MID N	948.0	1395.0	5.0
15. NW MID N	873.0	1344.0	5.0
16. NW 164 N	978.0	1157.0	5.0
17. NW 82 N	1020.0	1087.0	5.0
18. NW CNR	1046.0	1003.0	5.0
19. NW 82 W	974.0	955.0	5.0
20. NW 164 W	893.0	939.0	5.0
21. NW MID W	688.0	936.0	5.0
22. SW MID W	679.0	869.0	5.0
23. SW 164 W	954.0	873.0	5.0
24. SW 82 W	1036.0	889.0	5.0
25. SW CNR	1119.0	910.0	5.0
26. SW 82 S	1147.0	832.0	5.0
27. SW 164 S	1147.0	750.0	5.0
28. SW MID S	1110.0	607.0	5.0

1

JOB: S2 Security & Forest Park BDPM35 RUN: Site 2 Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.3	.1	.2	.5	.3	.4	.4	.0	.0	.0	.1	.2	.6	.1	.8	1.1	1.0	1.0	.4	.2
5.	.2	.1	.1	.4	.3	.4	.4	.0	.0	.0	.1	.2	.6	.2	.8	1.0	1.0	1.1	.5	.2
10.	.1	.0	.1	.4	.4	.4	.4	.0	.0	.0	.0	.1	.6	.2	.8	.9	1.0	1.1	.5	.3
15.	.0	.0	.1	.4	.4	.4	.4	.0	.0	.0	.0	.1	.6	.1	.9	.8	.9	1.1	.4	.3
20.	.0	.0	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.5	.1	.8	.8	.9	1.1	.4	.4
25.	.0	.0	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.5	.1	.8	.8	.9	1.0	.5	.2
30.	.0	.0	.0	.4	.4	.3	.5	.0	.0	.0	.0	.0	.4	.1	.8	.7	1.0	1.1	.5	.2
35.	.0	.0	.0	.3	.4	.4	.5	.0	.0	.0	.0	.0	.4	.1	.7	.7	.8	1.1	.5	.3
40.	.0	.0	.1	.3	.4	.5	.5	.0	.0	.0	.0	.0	.4	.1	.7	.7	.8	1.0	.5	.3
45.	.0	.0	.1	.3	.4	.5	.5	.0	.0	.0	.0	.0	.3	.1	.7	.7	.8	1.1	.4	.2
50.	.0	.0	.1	.3	.4	.5	.5	.0	.0	.0	.0	.0	.3	.1	.7	.8	.9	1.0	.6	.2
55.	.0	.0	.1	.4	.4	.5	.5	.0	.0	.0	.0	.0	.3	.1	.7	.8	.9	1.0	.6	.2
60.	.0	.0	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.3	.1	.7	.8	.9	1.0	.7	.2
65.	.0	.0	.1	.3	.6	.6	.4	.1	.0	.0	.0	.0	.3	.1	.7	.8	1.0	1.1	.5	.3
70.	.0	.0	.0	.4	.5	.6	.5	.1	.1	.0	.1	.0	.3	.1	.7	.8	1.0	1.0	.7	.5
75.	.0	.0	.0	.3	.5	.5	.5	.1	.2	.1	.1	.0	.3	.0	.7	.8	1.0	1.1	.6	.5
80.	.0	.0	.0	.3	.5	.4	.5	.2	.2	.3	.2	.0	.3	.0	.7	.8	1.0	1.0	.7	.6
85.	.0	.0	.0	.1	.3	.4	.4	.3	.2	.4	.4	.0	.3	.0	.7	.8	1.1	.9	.9	.7
90.	.0	.0	.0	.1	.3	.3	.2	.4	.4	.4	.4	.0	.3	.0	.7	.8	1.1	.9	1.2	1.0
95.	.0	.0	.0	.0	.1	.3	.2	.4	.4	.5	.5	.0	.3	.0	.7	.8	1.1	.7	1.1	1.1
100.	.0	.0	.0	.0	.1	.1	.1	.4	.4	.5	.6	.0	.3	.0	.7	.8	1.2	1.0	1.0	1.0
105.	.0	.0	.0	.0	.1	.1	.1	.5	.4	.5	.6	.1	.4	.0	.7	.8	1.2	.8	1.1	.8
110.	.0	.0	.0	.0	.0	.1	.1	.5	.5	.4	.5	.1	.4	.0	.7	.9	1.2	.8	1.2	.7
115.	.0	.0	.0	.0	.0	.0	.0	.5	.6	.4	.4	.0	.4	.2	.9	1.0	1.2	.9	1.2	.7
120.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.4	.4	.0	.4	.2	.8	1.1	1.0	.6	1.1	.8
125.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.4	.5	.1	.4	.2	.8	1.0	1.1	.7	.9	.7
130.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.4	.7	.3	.4	.2	.8	1.0	1.1	.7	.8	.7
135.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.4	.8	.3	.5	.3	.9	1.0	.9	.8	.7	.6

140. *	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.7	.4	.7	.4	.8	1.0	.9	.8	.7	.5
145. *	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.8	.6	.8	.5	.8	.7	.9	.8	.8	.5
150. *	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.8	.6	1.1	.7	.6	.4	.9	.7	.8	.5
155. *	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	1.0	.6	1.3	.7	.3	.4	.6	.7	.8	.5
160. *	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	1.0	.8	1.4	1.0	.2	.2	.5	.7	.8	.5
165. *	.0	.0	.0	.1	.0	.0	.0	.3	.3	.3	1.0	.8	1.6	1.1	.1	.1	.4	.8	.7	.5
170. *	.0	.0	.0	.1	.0	.0	.0	.3	.3	.3	.9	.9	1.7	1.0	.1	.1	.2	.7	.7	.5
175. *	.0	.0	.0	.3	.0	.0	.0	.4	.3	.3	.9	1.1	1.7	.9	.1	.1	.2	.7	.7	.5
180. *	.0	.0	.0	.4	.0	.0	.0	.5	.3	.3	1.0	1.2	1.5	.9	.0	.1	.1	.7	.7	.5
185. *	.1	.0	.1	.4	.0	.0	.0	.4	.3	.4	1.0	1.1	1.5	.9	.0	.1	.2	.7	.7	.5
190. *	.1	.1	.1	.5	.0	.0	.0	.4	.3	.4	.9	1.2	1.4	.9	.0	.0	.2	.6	.9	.5
195. *	.1	.1	.1	.6	.0	.0	.0	.4	.3	.5	1.0	1.3	1.3	.9	.0	.0	.2	.6	.9	.5
200. *	.1	.2	.1	.7	.0	.0	.0	.4	.3	.6	1.1	1.3	1.1	.8	.0	.0	.2	.6	.9	.5
205. *	.1	.2	.1	.8	.0	.0	.0	.4	.4	.6	.9	1.2	1.1	.8	.0	.0	.1	.6	.8	.5

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JOB: S2 Security & Forest Park BDPM35 RUN: Site 2 Build PM 2035

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.1	.2	.1	.8	.0	.0	.0	.5	.5	.7	.9	1.2	.9	.8	.0	.0	.0	.6	.7	.5
215. *	.1	.1	.1	.8	.1	.0	.0	.5	.6	.7	.9	1.1	.8	.8	.0	.0	.0	.6	.9	.6
220. *	.1	.1	.1	.9	.1	.0	.0	.5	.5	.8	1.0	1.1	.8	.8	.0	.0	.0	.6	.7	.6
225. *	.1	.1	.0	.8	.1	.0	.0	.5	.4	.9	1.1	1.1	.7	.8	.0	.0	.0	.5	.7	.6
230. *	.1	.1	.0	.8	.2	.0	.0	.5	.4	1.0	1.2	1.0	.7	.8	.0	.0	.0	.3	.6	.6
235. *	.1	.1	.1	.9	.2	.1	.0	.5	.4	.8	1.1	1.0	.7	.8	.0	.0	.0	.4	.5	.7
240. *	.1	.1	.1	1.0	.2	.1	.0	.5	.5	.8	1.2	1.0	.7	.8	.0	.0	.0	.4	.6	.7
245. *	.1	.1	.1	1.2	.4	.1	.1	.5	.6	.9	1.0	1.0	.7	.8	.0	.0	.0	.3	.6	.6
250. *	.1	.1	.1	1.1	.5	.2	.1	.5	.6	1.0	.9	1.0	.7	.8	.0	.0	.0	.1	.7	.6
255. *	.1	.1	.1	1.2	.6	.3	.1	.4	.5	.7	.9	1.0	.7	.8	.0	.0	.0	.0	.5	.5
260. *	.1	.1	.1	1.2	.7	.4	.2	.4	.5	.6	.8	1.0	.7	.8	.0	.0	.0	.0	.5	.5
265. *	.1	.1	.1	1.1	.7	.6	.3	.4	.5	.5	.9	1.0	.7	.8	.0	.0	.0	.0	.3	.4
270. *	.1	.1	.2	1.2	.7	.6	.4	.3	.5	.5	1.0	1.0	.7	.8	.0	.0	.0	.0	.2	.3
275. *	.1	.1	.3	1.0	.7	.4	.5	.2	.4	.5	1.1	.9	.7	.8	.0	.0	.0	.0	.0	.2
280. *	.1	.1	.4	.8	.8	.6	.5	.1	.2	.5	1.0	.9	.8	.8	.0	.0	.0	.0	.0	.2
285. *	.1	.1	.5	1.0	.9	.8	.6	.1	.1	.5	1.1	.9	.8	.8	.0	.0	.0	.0	.0	.0
290. *	.1	.2	.6	1.0	.9	.7	.6	.1	.1	.5	1.0	1.0	.9	.9	.0	.0	.0	.0	.0	.0
295. *	.1	.2	.7	.7	.9	.6	.6	.2	.3	.4	1.1	.9	1.1	.9	.0	.0	.0	.0	.0	.0
300. *	.1	.2	.7	.8	.8	.7	.7	.2	.3	.4	1.1	1.0	1.1	.9	.0	.0	.0	.0	.0	.0
305. *	.1	.2	.8	.9	1.0	.8	.7	.2	.3	.3	1.2	1.1	1.0	1.0	.1	.0	.0	.0	.0	.0
310. *	.1	.2	1.0	1.2	.8	.7	.6	.1	.2	.3	1.2	1.1	1.0	1.0	.1	.1	.0	.0	.0	.0
315. *	.1	.3	1.3	1.5	.6	.7	.5	.0	.2	.3	1.2	1.3	1.1	1.1	.1	.1	.1	.0	.0	.0
320. *	.1	.4	1.3	1.6	.6	.7	.4	.0	.2	.3	1.2	1.3	1.1	1.1	.2	.3	.3	.1	.0	.0
325. *	.1	.6	1.2	1.4	.5	.5	.4	.0	.1	.3	.9	1.0	1.2	1.0	.4	.4	.5	.2	.0	.0
330. *	.2	.7	1.3	1.4	.5	.4	.5	.0	.0	.3	.8	1.0	1.0	.9	.5	.6	.6	.3	.1	.0
335. *	.4	.8	1.3	1.1	.4	.4	.5	.0	.0	.2	.6	.8	.9	.7	.7	.6	.9	.6	.2	.0
340. *	.3	.8	1.1	1.0	.4	.4	.5	.0	.0	.1	.4	.7	.7	.5	.8	.9	.8	.7	.2	.1
345. *	.3	.6	.9	.8	.4	.4	.4	.0	.0	.1	.3	.5	.7	.3	.9	.9	.9	1.0	.2	.2
350. *	.3	.4	.5	.7	.4	.4	.4	.0	.0	.1	.1	.4	.5	.2	.9	.9	1.1	1.0	.2	.2
355. *	.3	.2	.2	.6	.3	.4	.4	.0	.0	.1	.1	.3	.6	.1	.9	.8	1.1	1.1	.2	.2
360. *	.3	.1	.2	.5	.3	.4	.4	.0	.0	.0	.1	.2	.6	.1	.8	1.1	1.0	1.0	.4	.2
MAX *	.4	.8	1.3	1.6	1.0	.8	.7	.5	.6	1.0	1.2	1.3	1.7	1.1	.9	1.1	1.2	1.1	1.2	1.1
DEGR. *	335	335	330	320	305	285	300	105	115	230	305	195	170	165	15	0	100	5	90	95

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JOB: S2 Security & Forest Park BDPM35 RUN: Site 2 Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.1	.4	.9	1.4	1.0	.6	.3	.1
5. *	.2	.6	1.1	1.2	.9	.5	.4	.1
10. *	.2	.6	1.0	1.2	.8	.6	.2	.0
15. *	.2	.6	.9	1.2	.5	.6	.2	.0
20. *	.2	.7	.8	1.3	.6	.5	.2	.0
25. *	.2	.7	1.0	1.4	.7	.5	.3	.0
30. *	.2	.7	1.1	1.2	.7	.4	.3	.0
35. *	.2	.5	1.0	1.2	.6	.4	.2	.0
40. *	.2	.4	1.0	1.0	.6	.3	.2	.1
45. *	.0	.4	1.0	.8	.5	.3	.2	.2
50. *	.0	.4	1.0	.8	.6	.2	.2	.2
55. *	.1	.5	1.0	.8	.5	.1	.2	.2
60. *	.1	.5	.9	.7	.6	.1	.2	.2
65. *	.1	.6	.7	.6	.6	.1	.2	.2
70. *	.1	.6	.6	.4	.7	.1	.2	.2
75. *	.1	.6	.5	.4	.7	.1	.2	.2
80. *	.1	.6	.4	.4	.6	.1	.1	.2
85. *	.3	.6	.1	.1	.6	.0	.1	.2
90. *	.6	.3	.1	.1	.5	.1	.1	.2
95. *	.6	.3	.0	.1	.5	.1	.1	.2

100.	*	.6	.1	.0	.1	.4	.1	.1	.2
105.	*	.7	.1	.0	.0	.4	.1	.1	.2
110.	*	.7	.1	.0	.0	.3	.1	.1	.2
115.	*	.7	.1	.0	.0	.2	.1	.0	.2
120.	*	.7	.0	.0	.0	.1	.1	.0	.2
125.	*	.6	.0	.0	.0	.1	.2	.0	.2
130.	*	.6	.0	.0	.0	.0	.2	.1	.2
135.	*	.6	.0	.0	.0	.0	.2	.1	.2
140.	*	.6	.0	.0	.0	.0	.2	.1	.2
145.	*	.6	.0	.0	.0	.0	.2	.1	.2
150.	*	.6	.0	.0	.0	.0	.2	.2	.2
155.	*	.5	.0	.0	.0	.0	.2	.2	.2
160.	*	.5	.0	.0	.0	.0	.1	.2	.2
165.	*	.5	.0	.0	.0	.0	.1	.2	.2
170.	*	.5	.0	.0	.0	.0	.1	.2	.2
175.	*	.5	.0	.0	.0	.0	.1	.2	.2
180.	*	.5	.0	.0	.0	.0	.0	.2	.2
185.	*	.5	.0	.0	.0	.0	.0	.1	.2
190.	*	.5	.0	.0	.0	.0	.0	.1	.2
195.	*	.5	.0	.0	.0	.0	.0	.0	.1
200.	*	.5	.0	.0	.0	.0	.0	.0	.0
205.	*	.6	.0	.0	.0	.0	.0	.0	.0

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JOB: S2 Security & Forest Park BDPM35 RUN: Site 2 Build PM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.6	.0	.0	.0	.0	.0	.0	.0
215.	*	.6	.0	.0	.0	.0	.0	.0	.0
220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.5	.0	.0	.0	.0	.0	.0	.0
230.	*	.7	.0	.0	.0	.0	.0	.0	.0
235.	*	.7	.0	.0	.0	.0	.0	.0	.0
240.	*	.7	.0	.0	.0	.0	.0	.0	.0
245.	*	.6	.0	.0	.0	.0	.0	.0	.0
250.	*	.6	.0	.1	.0	.0	.0	.0	.0
255.	*	.5	.0	.1	.1	.3	.0	.0	.0
260.	*	.6	.0	.1	.1	.3	.0	.0	.0
265.	*	.6	.0	.2	.4	.5	.0	.0	.0
270.	*	.6	.1	.3	.5	.7	.0	.0	.0
275.	*	.6	.2	.4	.5	.7	.0	.0	.0
280.	*	.5	.2	.4	.6	.9	.0	.0	.0
285.	*	.3	.3	.5	.7	.9	.1	.0	.0
290.	*	.3	.4	.5	.7	.9	.1	.0	.0
295.	*	.1	.5	.6	.8	.9	.1	.0	.0
300.	*	.0	.6	.5	.7	1.1	.1	.0	.0
305.	*	.0	.6	.4	.7	1.0	.2	.0	.0
310.	*	.0	.5	.4	.7	.9	.3	.1	.0
315.	*	.0	.4	.4	.6	.9	.3	.1	.0
320.	*	.0	.4	.4	.6	1.0	.3	.1	.0
325.	*	.0	.5	.4	.6	1.3	.5	.1	.0
330.	*	.0	.4	.5	.8	1.4	.7	.3	.0
335.	*	.0	.4	.6	.8	1.4	.8	.3	.0
340.	*	.0	.4	.8	.8	1.4	1.0	.5	.3
345.	*	.0	.5	.8	.8	1.4	1.1	.5	.3
350.	*	.0	.5	.9	1.2	1.3	.8	.4	.3
355.	*	.0	.5	.8	1.3	.9	.7	.4	.1
360.	*	.1	.4	.9	1.4	1.0	.6	.3	.1
MAX	*	.7	.7	1.1	1.4	1.4	1.1	.5	.3
DEGR.	*	105	20	5	0	340	345	340	340

THE HIGHEST CONCENTRATION IS 1.70 PPM AT 170 DEGREES FROM REC13.
THE 2ND HIGHEST CONCENTRATION IS 1.60 PPM AT 320 DEGREES FROM REC4 .
THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 0 DEGREES FROM REC24.

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S2 Security & Forest Park EXAM          60.0321.0.0000.000200.30480000    1    1
SE MID S                 1762.      722.       5.0
SE 164 S                 1477.      913.       5.0
SE 82 S                  1412.      962.       5.0
SE CNR                   1380.     1054.       5.0
SE 82 E                  1456.     1117.       5.0
SE 164 E                 1539.     1123.       5.0
SE MID E                 1802.     1280.       5.0
NW 164 N                 1105.     1238.       5.0
NW 82 N                  1130.     1158.       5.0
NW CNR                   1162.     1081.       5.0
NW 82 W                  1110.     1019.       5.0
NW 164 W                 1045.      969.       5.0
NW MID W                  852.      824.       5.0
SW MID W                  883.      763.       5.0
SW 164 W                 1090.      922.       5.0
SW 82 W                  1153.      975.       5.0
SW CNR                   1221.     1022.       5.0
SW 82 S                  1286.      973.       5.0
SW 164 S                 1355.      925.       5.0
SW MID S                 1701.      691.       5.0
Site 2 Existing AM                      83  1   0
  1
EB        FP ap     AG   356.   564.   790.   729.    295.10.0   0  32   30.
  1
EB        FP ap     AG   790.   729.   886.   791.    295.10.0   0  32   30.
  1
EB        FP ap     AG   886.   791.  1232.  1062.    295.10.0   0  44   30.
  2
EB        FP ap     AG  1201.  1037.  1077.   941.      0.  24   2
       150       118       2.0  295   56.4 1824 1 3
  1
EB        FP dep1   AG  1232.  1062.  1296.  1102.     60.10.0   0  32   30.
  1
EB        FP dep1   AG  1296.  1102.  1370.  1132.     60.10.0   0  32   30.
  1
EB        FP dep1   AG  1370.  1132.  1471.  1144.     60.10.0   0  32   30.
  1
EB        FP dep2   AG  1471.  1144.  1588.  1161.    260.10.0   0  32   30.
  1
EB        FP dep2   AG  1588.  1161.  1685.  1199.    260.10.0   0  32   30.
  1
EB        FP dep2   AG  1685.  1199.  1748.  1253.    260.10.0   0  32   30.
  1
EB        FP dep2   AG  1748.  1253.  1798.  1335.    260.10.0   0  32   30.
  1
EB        FP dep2   AG  1798.  1335.  1869.  1566.    260.10.0   0  32   30.
  1
EB        FP dep2   AG  1869.  1566.  1902.  1635.    260.10.0   0  32   30.
  1
EB        FP dep2   AG  1902.  1635.  1977.  1717.    260.10.0   0  32   30.
  1
WB        FP dep    AG  1219.  1078.   886.   815.    215.10.0   0  32   30.
  1
WB        FP dep    AG   886.   815.   770.   742.    215.10.0   0  32   30.
  1
WB        FP dep    AG   770.   742.   348.   584.    215.10.0   0  32   30.
  1
NB        Sec ap    AG  2027.   477.  1879.   611.    840.10.3   0  32   40.
  1
NB        Sec ap    AG  1879.   611.  1765.   694.    840.10.3   0  32   40.
  1
NB        Sec ap    AG  1765.   694.  1384.   954.    840.10.3   0  32   40.
  1
NB        Sec th+lt AG  1384.   954.  1250.  1060.    640.10.3   0  44   40.
  2
NB        Sec th+lt AG  1254.  1057.  1373.   963.      0.  24   2
       150        32       2.0  640   56.4 1179 1 3
  1
NB        Sec right AG  1384.   954.  1355.  1026.    200.10.3   0  32   40.
  1
NB        Sec right AG  1355.  1026.  1365.  1082.    200.10.3   0  32   40.
  1
NB        Sec right AG  1365.  1082.  1405.  1127.    200.10.3   0  32   40.
  1
NB        Sec right AG  1405.  1127.  1471.  1144.    200.10.3   0  32   40.
  1
NB        Sec dep1  AG  1250.  1060.  1200.  1133.    775.10.3   0  44   40.
  1
NB        Sec dep1  AG  1200.  1133.  1159.  1231.    775.10.3   0  44   40.
  1
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NB        Sec dep1  AG  1159.  1231.  1152.  1332.    775.10.3   0  44   40.
  1
NB        Sec dep1  AG  1152.  1332.  1181.  1520.    775.10.3   0  44   40.
  1
NB        Sec dep1  AG  1181.  1520.  1200.  1700.    775.10.3   0  44   40.
  1
NB        Sec dep2  AG  1200.  1700.  1171.  1855.   1650.10.3   0  56   40.
  1
NB        Sec dep2  AG  1171.  1855.  1107.  2059.   1650.10.3   0  56   40.
  1
SB        Sec ap1   AG  1072.  2056.  1133.  1837.   1080.10.3   0  44   40.
  1
SB        Sec ap1   AG  1133.  1837.  1161.  1681.   1080.10.3   0  56   40.
  1
SB        Sec ap1   AG  1161.  1681.  1144.  1496.   1080.10.3   0  56   40.
  1
SB        Sec ap1   AG  1144.  1496.  1126.  1364.   1080.10.3   0  56   40.
  1
SB        Sec ap2   AG  1126.  1364.  1123.  1294.   1070.10.3   0  44   40.
  1
SB        Sec ap2   AG  1123.  1294.  1133.  1221.   1070.10.3   0  44   40.
  1
SB        Sec ap2   AG  1133.  1221.  1151.  1166.   1070.10.3   0  44   40.
  1
SB        Sec ap2   AG  1151.  1166.  1198.  1073.   1070.10.3   0  44   40.
  2
SB        Sec ap    AG  1185.  1099.  1154.  1161.      0.  24   2
       150        32       2.0 1070   56.4 1859 1 3
  1
SB        Sec dep   AG  1198.  1073.  1295.   992.    955.10.3   0  32   40.
  1
SB        Sec dep   AG  1295.   992.  1425.   903.    955.10.3   0  32   40.
  1
SB        Sec dep   AG  1425.   903.  1755.   677.    955.10.3   0  32   40.
  1
SB        Sec dep   AG  1755.   677.  1881.   586.    955.10.3   0  32   40.
  1
SB        Sec dep   AG  1881.   586.  2016.   465.    955.10.3   0  32   40.
  1
EB        I-70 off  AG  1119.  1641.  1331.  1620.    875.10.0   0  32   30.
  1
EB        I-70 off  AG  1331.  1620.  1471.  1619.    875.10.0   0  32   30.
  1
EB        I-70 off  AG  1471.  1619.  1552.  1582.    875.10.0   0  32   30.
  1
EB        I-70 off  AG  1552.  1582.  1621.  1509.    875.10.0   0  32   30.
  1
EB        I-70 off  AG  1621.  1509.  1650.  1413.    875.10.0   0  32   30.
  1
EB        I-70 off  AG  1650.  1413.  1640.  1326.    875.10.0   0  32   30.
  1
EB        I-70 off  AG  1640.  1326.  1590.  1245.    875.10.0   0  32   30.
  1
EB        I-70 off  AG  1590.  1245.  1507.  1192.    875.10.0   0  32   30.
  1
EB        I-70 off  AG  1507.  1192.  1416.  1177.    875.10.0   0  32   30.
  1
EB        I-70 off  AG  1416.  1177.  1322.  1201.    875.10.0   0  32   30.
  1
EB        I-70 off  AG  1322.  1201.  1235.  1267.    875.10.0   0  32   30.
  1
EB        I-70 off  AG  1235.  1267.  1196.  1356.    875.10.0   0  32   30.
  1
EB        I-70 off  AG  1196.  1356.  1208.  1571.    875.10.0   0  32   30.
  1
EB        I-70 off  AG  1208.  1571.  1200.  1700.    875.10.0   0  32   30.
  1
SB        I-70 on   AG  1144.  1496.  1101.  1361.     10.10.0   0  32   30.
  1
SB        I-70 on   AG  1101.  1361.  1053.  1284.     10.10.0   0  32   30.
  1
SB        I-70 on   AG  1053.  1284.   971.  1226.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   971.  1226.   871.  1199.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   871.  1199.   761.  1207.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   761.  1207.   538.  1276.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   538.  1276.   464.  1321.     10.10.0   0  32   30.
  1
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SB        I-70 on   AG   464.  1321.   418.  1395.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   418.  1395.   412.  1486.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   412.  1486.   455.  1579.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   455.  1579.   526.  1636.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   526.  1636.   595.  1664.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   595.  1664.   862.  1664.     10.10.0   0  32   30.
  1
EB        I-70 ap1  AG   490.  1746.   862.  1664.   1515.10.0   0  56   35.
  1
EB        I-70 ap2  AG   862.  1664.  1119.  1641.   1525.10.0   0  56   35.
  1
EB        I-70 ap3  AG  1119.  1641.  1485.  1676.    650.10.0   0  56   35.
  1
EB        I-70 ap3  AG  1485.  1676.  1747.  1716.    650.10.0   0  56   35.
  1
EB        I-70 ap3  AG  1747.  1716.  1947.  1761.    650.10.0   0  56   35.
  1
WB        I-70      AG  1894.  1811.  1492.  1733.   1250.10.0   0  56   35.
  1
WB        I-70      AG  1492.  1733.  1119.  1704.   1250.10.0   0  56   35.
  1
WB        I-70      AG  1119.  1704.   785.  1736.   1250.10.0   0  56   35.
  1
WB        I-70      AG   785.  1736.   526.  1788.   1250.10.0   0  56   35.
1.0   04  1000   0Y  5  0 72
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JOB: S2 Security & Forest Park EXAM RUN: Site 2 Existing AM
DATE: 09/05/2012 TIME: 16:10:10.25

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	FP ap	*	356.0	564.0	790.0	729.0	*	464.	69.	AG	295.	10.0	.0	32.0		
2. EB	FP ap	*	790.0	729.0	886.0	791.0	*	114.	57.	AG	295.	10.0	.0	32.0		
3. EB	FP ap	*	886.0	791.0	1232.0	1062.0	*	439.	52.	AG	295.	10.0	.0	44.0		
4. EB	FP ap	*	1201.0	1037.0	1126.0	978.9	*	95.	232.	AG	238.	100.0	.0	24.0	.43	4.8
5. EB	FP dep1	*	1232.0	1062.0	1296.0	1102.0	*	75.	58.	AG	60.	10.0	.0	32.0		
6. EB	FP dep1	*	1296.0	1102.0	1370.0	1132.0	*	80.	68.	AG	60.	10.0	.0	32.0		
7. EB	FP dep1	*	1370.0	1132.0	1471.0	1144.0	*	102.	83.	AG	60.	10.0	.0	32.0		
8. EB	FP dep2	*	1471.0	1144.0	1588.0	1161.0	*	118.	82.	AG	260.	10.0	.0	32.0		
9. EB	FP dep2	*	1588.0	1161.0	1685.0	1199.0	*	104.	69.	AG	260.	10.0	.0	32.0		
10. EB	FP dep2	*	1685.0	1199.0	1748.0	1253.0	*	83.	49.	AG	260.	10.0	.0	32.0		
11. EB	FP dep2	*	1748.0	1253.0	1798.0	1335.0	*	96.	31.	AG	260.	10.0	.0	32.0		
12. EB	FP dep2	*	1798.0	1335.0	1869.0	1566.0	*	242.	17.	AG	260.	10.0	.0	32.0		
13. EB	FP dep2	*	1869.0	1566.0	1902.0	1635.0	*	76.	26.	AG	260.	10.0	.0	32.0		
14. EB	FP dep2	*	1902.0	1635.0	1977.0	1717.0	*	111.	42.	AG	260.	10.0	.0	32.0		
15. WB	FP dep	*	1219.0	1078.0	886.0	815.0	*	424.	232.	AG	215.	10.0	.0	32.0		
16. WB	FP dep	*	886.0	815.0	770.0	742.0	*	137.	238.	AG	215.	10.0	.0	32.0		
17. WB	FP dep	*	770.0	742.0	348.0	584.0	*	451.	249.	AG	215.	10.0	.0	32.0		
18. NB	Sec ap	*	2027.0	477.0	1879.0	611.0	*	200.	312.	AG	840.	10.3	.0	32.0		
19. NB	Sec ap	*	1879.0	611.0	1765.0	694.0	*	141.	306.	AG	840.	10.3	.0	32.0		
20. NB	Sec ap	*	1765.0	694.0	1384.0	954.0	*	461.	304.	AG	840.	10.3	.0	32.0		
21. NB	Sec th+lt	*	1384.0	954.0	1250.0	1060.0	*	171.	308.	AG	640.	10.3	.0	44.0		
22. NB	Sec th+lt	*	1254.0	1057.0	1297.9	1022.3	*	56.	128.	AG	65.	100.0	.0	24.0	.36	2.8
23. NB	Sec right	*	1384.0	954.0	1355.0	1026.0	*	78.	338.	AG	200.	10.3	.0	32.0		
24. NB	Sec right	*	1355.0	1026.0	1365.0	1082.0	*	57.	10.	AG	200.	10.3	.0	32.0		
25. NB	Sec right	*	1365.0	1082.0	1405.0	1127.0	*	60.	42.	AG	200.	10.3	.0	32.0		
26. NB	Sec right	*	1405.0	1127.0	1471.0	1144.0	*	68.	76.	AG	200.	10.3	.0	32.0		
27. NB	Sec dep1	*	1250.0	1060.0	1200.0	1133.0	*	88.	326.	AG	775.	10.3	.0	44.0		
28. NB	Sec dep1	*	1200.0	1133.0	1159.0	1231.0	*	106.	337.	AG	775.	10.3	.0	44.0		
29. NB	Sec dep1	*	1159.0	1231.0	1152.0	1332.0	*	101.	356.	AG	775.	10.3	.0	44.0		
30. NB	Sec dep1	*	1152.0	1332.0	1181.0	1520.0	*	190.	9.	AG	775.	10.3	.0	44.0		
31. NB	Sec dep1	*	1181.0	1520.0	1200.0	1700.0	*	181.	6.	AG	775.	10.3	.0	44.0		
32. NB	Sec dep2	*	1200.0	1700.0	1171.0	1855.0	*	158.	349.	AG	1650.	10.3	.0	56.0		
33. NB	Sec dep2	*	1171.0	1855.0	1107.0	2059.0	*	214.	343.	AG	1650.	10.3	.0	56.0		
34. SB	Sec ap1	*	1072.0	2056.0	1133.0	1837.0	*	227.	164.	AG	1080.	10.3	.0	44.0		
35. SB	Sec ap1	*	1133.0	1837.0	1161.0	1681.0	*	158.	170.	AG	1080.	10.3	.0	56.0		
36. SB	Sec ap1	*	1161.0	1681.0	1144.0	1496.0	*	186.	185.	AG	1080.	10.3	.0	56.0		
37. SB	Sec ap1	*	1144.0	1496.0	1126.0	1364.0	*	133.	188.	AG	1080.	10.3	.0	56.0		
38. SB	Sec ap2	*	1126.0	1364.0	1123.0	1294.0	*	70.	182.	AG	1070.	10.3	.0	44.0		
39. SB	Sec ap2	*	1123.0	1294.0	1133.0	1221.0	*	74.	172.	AG	1070.	10.3	.0	44.0		
40. SB	Sec ap2	*	1133.0	1221.0	1151.0	1166.0	*	58.	162.	AG	1070.	10.3	.0	44.0		
41. SB	Sec ap2	*	1151.0	1166.0	1198.0	1073.0	*	104.	153.	AG	1070.	10.3	.0	44.0		
42. SB	Sec ap	*	1185.0	1099.0	1143.1	1182.7	*	94.	333.	AG	65.	100.0	.0	24.0	.38	4.8
43. SB	Sec dep	*	1198.0	1073.0	1295.0	992.0	*	126.	130.	AG	955.	10.3	.0	32.0		
44. SB	Sec dep	*	1295.0	992.0	1425.0	903.0	*	158.	124.	AG	955.	10.3	.0	32.0		

JOB: S2 Security & Forest Park EXAM RUN: Site 2 Existing AM
DATE: 09/05/2012 TIME: 16:10:10.25

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	Sec dep	*	1425.0	903.0	1755.0	677.0	*	400.	124.	AG	955.	10.3	.0	32.0		
46. SB	Sec dep	*	1755.0	677.0	1881.0	586.0	*	155.	126.	AG	955.	10.3	.0	32.0		
47. SB	Sec dep	*	1881.0	586.0	2016.0	465.0	*	181.	132.	AG	955.	10.3	.0	32.0		
48. EB	I-70 off	*	1119.0	1641.0	1331.0	1620.0	*	213.	96.	AG	875.	10.0	.0	32.0		
49. EB	I-70 off	*	1331.0	1620.0	1471.0	1619.0	*	140.	90.	AG	875.	10.0	.0	32.0		
50. EB	I-70 off	*	1471.0	1619.0	1552.0	1582.0	*	89.	115.	AG	875.	10.0	.0	32.0		
51. EB	I-70 off	*	1552.0	1582.0	1621.0	1509.0	*	100.	137.	AG	875.	10.0	.0	32.0		
52. EB	I-70 off	*	1621.0	1509.0	1650.0	1413.0	*	100.	163.	AG	875.	10.0	.0	32.0		
53. EB	I-70 off	*	1650.0	1413.0	1640.0	1326.0	*	88.	187.	AG	875.	10.0	.0	32.0		
54. EB	I-70 off	*	1640.0	1326.0	1590.0	1245.0	*	95.	212.	AG	875.	10.0	.0	32.0		
55. EB	I-70 off	*	1590.0	1245.0	1507.0	1192.0	*	98.	237.	AG	875.	10.0	.0	32.0		
56. EB	I-70 off	*	1507.0	1192.0	1416.0	1177.0	*	92.	261.	AG	875.	10.0	.0	32.0		
57. EB	I-70 off	*	1416.0	1177.0	1322.0	1201.0	*	97.	284.	AG	875.	10.0	.0	32.0		
58. EB	I-70 off	*	1322.0	1201.0	1235.0	1267.0	*	109.	307.	AG	875.	10.0	.0	32.0		
59. EB	I-70 off	*	1235.0	1267.0	1196.0	1356.0	*	97.	336.	AG	875.	10.0	.0	32.0		
60. EB	I-70 off	*	1196.0	1356.0	1208.0	1571.0	*	215.	3.	AG	875.	10.0	.0	32.0		
61. EB	I-70 off	*	1208.0	1571.0	1200.0	1700.0	*	129.	356.	AG	875.	10.0	.0	32.0		
62. SB	I-70 on	*	1144.0	1496.0	1101.0	1361.0	*	142.	198.	AG	10.	10.0	.0	32.0		
63. SB	I-70 on	*	1101.0	1361.0	1053.0	1284.0	*	91.	212.	AG	10.	10.0	.0	32.0		
64. SB	I-70 on	*	1053.0	1284.0	971.0	1226.0	*	100.	235.	AG	10.	10.0	.0	32.0		
65. SB	I-70 on	*	971.0	1226.0	871.0	1199.0	*	104.	255.	AG	10.	10.0	.0	32.0		

66. SB	I-70 on	*	871.0	1199.0	761.0	1207.0	*	110.	274.	AG	10.	10.0	.0	32.0
67. SB	I-70 on	*	761.0	1207.0	538.0	1276.0	*	233.	287.	AG	10.	10.0	.0	32.0
68. SB	I-70 on	*	538.0	1276.0	464.0	1321.0	*	87.	301.	AG	10.	10.0	.0	32.0
69. SB	I-70 on	*	464.0	1321.0	418.0	1395.0	*	87.	328.	AG	10.	10.0	.0	32.0
70. SB	I-70 on	*	418.0	1395.0	412.0	1486.0	*	91.	356.	AG	10.	10.0	.0	32.0
71. SB	I-70 on	*	412.0	1486.0	455.0	1579.0	*	102.	25.	AG	10.	10.0	.0	32.0
72. SB	I-70 on	*	455.0	1579.0	526.0	1636.0	*	91.	51.	AG	10.	10.0	.0	32.0
73. SB	I-70 on	*	526.0	1636.0	595.0	1664.0	*	74.	68.	AG	10.	10.0	.0	32.0
74. SB	I-70 on	*	595.0	1664.0	862.0	1664.0	*	267.	90.	AG	10.	10.0	.0	32.0
75. EB	I-70 ap1	*	490.0	1746.0	862.0	1664.0	*	381.	102.	AG	1515.	10.0	.0	56.0
76. EB	I-70 ap2	*	862.0	1664.0	1119.0	1641.0	*	258.	95.	AG	1525.	10.0	.0	56.0
77. EB	I-70 ap3	*	1119.0	1641.0	1485.0	1676.0	*	368.	85.	AG	650.	10.0	.0	56.0
78. EB	I-70 ap3	*	1485.0	1676.0	1747.0	1716.0	*	265.	81.	AG	650.	10.0	.0	56.0
79. EB	I-70 ap3	*	1747.0	1716.0	1947.0	1761.0	*	205.	77.	AG	650.	10.0	.0	56.0
80. WB	I-70	*	1894.0	1811.0	1492.0	1733.0	*	409.	259.	AG	1250.	10.0	.0	56.0
81. WB	I-70	*	1492.0	1733.0	1119.0	1704.0	*	374.	266.	AG	1250.	10.0	.0	56.0
82. WB	I-70	*	1119.0	1704.0	785.0	1736.0	*	336.	275.	AG	1250.	10.0	.0	56.0
83. WB	I-70	*	785.0	1736.0	526.0	1788.0	*	264.	281.	AG	1250.	10.0	.0	56.0

1

JOB: S2 Security & Forest Park EXAM RUN: Site 2 Existing AM
DATE: 09/05/2012 TIME: 16:10:10.25

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB	FP ap	150	118	2.0	295	1824	56.40	1	3
22. NB	Sec th+lt	150	32	2.0	640	1179	56.40	1	3
42. SB	Sec ap	150	32	2.0	1070	1859	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1762.0	722.0	5.0
2. SE 164 S	1477.0	913.0	5.0
3. SE 82 S	1412.0	962.0	5.0
4. SE CNR	1380.0	1054.0	5.0
5. SE 82 E	1456.0	1117.0	5.0
6. SE 164 E	1539.0	1123.0	5.0
7. SE MID E	1802.0	1280.0	5.0
8. NW 164 N	1105.0	1238.0	5.0
9. NW 82 N	1130.0	1158.0	5.0
10. NW CNR	1162.0	1081.0	5.0
11. NW 82 W	1110.0	1019.0	5.0
12. NW 164 W	1045.0	969.0	5.0
13. NW MID W	852.0	824.0	5.0
14. SW MID W	883.0	763.0	5.0
15. SW 164 W	1090.0	922.0	5.0
16. SW 82 W	1153.0	975.0	5.0
17. SW CNR	1221.0	1022.0	5.0
18. SW 82 S	1286.0	973.0	5.0
19. SW 164 S	1355.0	925.0	5.0
20. SW MID S	1701.0	691.0	5.0

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JOB: S2 Security & Forest Park EXAM RUN: Site 2 Existing AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.0	.0	.1	.2	.2	.1	.6	.9	.8	.0	.0	.0	.1	.1	1.1	.8	.7	.5	.6
5.	.0	.0	.0	.1	.2	.2	.1	.6	.9	.8	.0	.0	.0	.2	.2	1.1	.7	.7	.5	.5
10.	.0	.0	.0	.1	.2	.2	.1	.9	1.0	.8	.1	.0	.0	.2	.3	1.1	.6	.6	.5	.5
15.	.0	.0	.0	.0	.2	.3	.1	1.1	1.0	.7	.2	.0	.0	.1	.4	1.1	.6	.6	.5	.5
20.	.0	.0	.0	.1	.1	.3	.0	.9	.9	.7	.3	.0	.0	.1	.5	1.1	.5	.5	.4	.5
25.	.0	.0	.0	.1	.2	.3	.0	.9	.8	.6	.3	.0	.0	.2	.5	1.2	.5	.6	.4	.5
30.	.0	.0	.0	.1	.2	.3	.0	.7	.7	.7	.3	.1	.0	.2	.5	1.2	.6	.5	.4	.5
35.	.0	.0	.0	.1	.3	.1	.0	.7	.7	.7	.2	.1	.0	.2	.5	1.0	.5	.5	.5	.5
40.	.0	.0	.0	.1	.3	.1	.0	1.0	.5	.7	.1	.1	.0	.2	.4	.9	.6	.5	.5	.5
45.	.0	.0	.0	.0	.2	.1	.0	.7	.7	.6	.2	.2	.0	.1	.5	.8	.6	.6	.5	.5
50.	.0	.0	.0	.0	.2	.1	.0	.7	.9	.5	.2	.3	.0	.1	.5	.6	.5	.5	.5	.5
55.	.0	.0	.0	.0	.2	.0	.0	.6	.9	.5	.4	.2	.2	.1	.4	.5	.5	.5	.5	.5
60.	.0	.0	.0	.0	.2	.0	.0	.6	.8	.5	.5	.4	.3	.1	.4	.5	.5	.5	.5	.5
65.	.0	.0	.0	.0	.1	.0	.0	.6	.9	.4	.5	.5	.2	.1	.3	.4	.5	.5	.5	.5
70.	.0	.0	.0	.0	.1	.0	.0	.6	.9	.5	.6	.6	.2	.0	.1	.3	.5	.5	.5	.5
75.	.0	.0	.0	.0	.1	.0	.0	.6	.8	.5	.6	.6	.2	.0	.0	.2	.6	.6	.5	.7
80.	.0	.0	.0	.0	.0	.0	.0	.6	.7	.5	.7	.5	.2	.0	.1	.3	.6	.6	.6	.7
85.	.0	.0	.0	.0	.0	.0	.0	.6	.8	.5	.8	.4	.2	.0	.1	.3	.6	.6	.6	.7
90.	.0	.0	.0	.0	.0	.0	.0	.7	.7	.5	.8	.4	.2	.0	.2	.2	.6	.6	.7	.7

95. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	.5	1.0	.3	.1	.0	.1	.2	.7	.6	.6	.6
100. *	.0	.1	.0	.0	.0	.0	.0	.7	.7	.6	1.0	.4	.1	.0	.2	.2	.6	.6	.6	.6
105. *	.0	.1	.1	.0	.0	.0	.0	.6	.8	.6	1.0	.4	.1	.0	.2	.3	.6	.7	.8	.7
110. *	.1	.2	.1	.0	.0	.0	.0	.5	.8	.7	1.0	.2	.1	.0	.1	.3	.7	.8	.7	.6
115. *	.1	.3	.3	.0	.0	.0	.0	.5	.8	.9	1.0	.2	.1	.0	.0	.2	.7	.8	.6	.7
120. *	.2	.4	.3	.0	.0	.0	.0	.5	1.0	.9	.9	.2	.2	.0	.0	.2	.7	.5	.6	.7
125. *	.5	.6	.5	.1	.0	.0	.0	.7	1.0	.9	.7	.2	.1	.0	.0	.0	.6	.5	.5	.7
130. *	.5	.6	.6	.2	.0	.0	.0	.6	1.0	1.0	.7	.2	.1	.0	.0	.0	.4	.4	.4	.4
135. *	.7	.7	.6	.2	.0	.0	.0	.8	.9	.8	.6	.2	.1	.0	.0	.0	.3	.3	.3	.2
140. *	.8	.8	.6	.2	.0	.0	.0	.8	.8	.6	.6	.2	.1	.0	.0	.0	.1	.1	.1	.2
145. *	.8	.7	.6	.2	.1	.0	.0	.7	.7	.6	.6	.2	.1	.0	.0	.0	.0	.1	.0	.0
150. *	.6	.7	.7	.2	.2	.0	.0	.8	.6	.6	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0
155. *	.5	.7	.7	.2	.2	.0	.0	.6	.6	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0
160. *	.5	.7	.6	.3	.2	.2	.0	.6	.3	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0
165. *	.5	.7	.5	.3	.2	.2	.0	.5	.4	.6	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0
170. *	.6	.6	.5	.2	.2	.2	.0	.4	.3	.6	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0
175. *	.6	.5	.6	.3	.2	.2	.0	.2	.2	.6	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0
180. *	.5	.5	.6	.3	.2	.2	.0	.2	.2	.6	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0
185. *	.5	.5	.5	.2	.1	.2	.0	.0	.1	.5	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
190. *	.5	.5	.5	.2	.1	.2	.0	.0	.1	.5	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
195. *	.5	.5	.5	.2	.2	.2	.0	.0	.0	.5	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
200. *	.6	.5	.5	.2	.1	.1	.0	.0	.0	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
205. *	.5	.5	.5	.2	.1	.1	.0	.0	.0	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0

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JOB: S2 Security & Forest Park EXAM RUN: Site 2 Existing AM

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.5	.5	.5	.2	.1	.1	.0	.0	.0	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
215. *	.5	.5	.5	.2	.1	.0	.0	.0	.0	.3	.2	.2	.1	.0	.0	.1	.0	.0	.0	.0
220. *	.5	.5	.5	.3	.2	.1	.0	.0	.0	.3	.2	.2	.1	.0	.1	.1	.2	.0	.0	.0
225. *	.5	.5	.5	.3	.2	.1	.0	.0	.0	.0	.2	.2	.1	.0	.1	.1	.3	.0	.0	.0
230. *	.5	.5	.4	.3	.1	.1	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	.3	.0	.0	.0
235. *	.5	.5	.4	.4	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.2	.4	.0	.0	.0
240. *	.5	.5	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.5	.0	.0	.0
245. *	.5	.6	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.4	.6	.0	.0	.0
250. *	.5	.6	.5	.4	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	.1	.5	.8	.0	.0	.0
255. *	.5	.6	.5	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	.2	.5	.9	.0	.0	.0
260. *	.5	.5	.4	.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.2	.5	.9	.1	.0	.0
265. *	.6	.7	.5	.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.2	.5	.9	.1	.0	.0
270. *	.7	.7	.6	.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.2	.6	.9	.1	.0	.0
275. *	.7	.7	.7	.5	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.2	.6	.9	.2	.1	.0
280. *	.7	.8	.8	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	.2	.7	.7	.2	.1	.1
285. *	.7	.8	.8	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0	.1	.1	.7	.7	.2	.1	.1
290. *	.7	.7	.7	.3	.2	.3	.1	.0	.0	.0	.0	.0	.0	.1	.1	.8	.6	.3	.2	.2
295. *	.6	.7	.6	.3	.2	.3	.1	.0	.0	.0	.0	.0	.0	.1	.1	.8	.6	.3	.3	.3
300. *	.6	.6	.5	.1	.3	.3	.1	.0	.0	.0	.0	.0	.0	.1	.1	.7	.5	.3	.3	.4
305. *	.4	.4	.4	.1	.3	.2	.1	.0	.0	.0	.0	.0	.0	.1	.1	.9	.6	.3	.4	.5
310. *	.3	.4	.3	.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.1	.1	.9	.6	.4	.5	.7
315. *	.3	.2	.1	.1	.2	.2	.1	.1	.1	.0	.0	.0	.0	.1	.1	.8	.5	.5	.5	.7
320. *	.1	.1	.1	.1	.3	.2	.1	.1	.2	.1	.0	.0	.0	.1	.1	.8	.6	.6	.5	.7
325. *	.1	.1	.1	.2	.3	.2	.1	.1	.2	.1	.0	.0	.0	.1	.1	.8	.7	.7	.6	.8
330. *	.0	.0	.0	.1	.3	.3	.1	.0	.1	.2	.0	.0	.0	.1	.1	.8	.7	.7	.7	.8
335. *	.0	.0	.0	.1	.3	.3	.1	.2	.3	.4	.0	.0	.0	.1	.1	.8	.8	.8	.7	.7
340. *	.0	.0	.0	.1	.2	.3	.2	.3	.4	.5	.0	.0	.0	.1	.1	.8	.9	.7	.6	.6
345. *	.0	.0	.0	.1	.2	.2	.2	.4	.4	.7	.0	.0	.0	.1	.1	.8	.9	.7	.6	.6
350. *	.0	.0	.0	.1	.2	.2	.2	.5	.7	.7	.0	.0	.0	.1	.1	1.1	.7	.6	.6	.6
355. *	.0	.0	.0	.1	.2	.2	.1	.5	.7	.8	.0	.0	.0	.1	.1	1.1	.7	.6	.5	.6
360. *	.0	.0	.0	.1	.2	.2	.1	.6	.9	.8	.0	.0	.0	.1	.1	1.1	.8	.7	.5	.6
MAX *	.8	.8	.8	.5	.3	.3	.2	1.1	1.0	1.0	1.0	.6	.3	.2	.5	1.2	.9	.8	.8	.8
DEGR. *	140	140	280	275	35	15	340	15	10	130	95	70	60	5	20	25	255	110	105	325

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 25 DEGREES FROM REC16.
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 15 DEGREES FROM REC8 .
THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 95 DEGREES FROM REC11.

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S2 Security & Forest Park EXPM          60.0321.0.0000.000200.30480000    1    1
SE MID S                 1762.      722.       5.0
SE 164 S                 1477.      913.       5.0
SE 82 S                  1412.      962.       5.0
SE CNR                   1380.     1054.       5.0
SE 82 E                  1456.     1117.       5.0
SE 164 E                 1539.     1123.       5.0
SE MID E                 1802.     1280.       5.0
NW 164 N                 1105.     1238.       5.0
NW 82 N                  1130.     1158.       5.0
NW CNR                   1162.     1081.       5.0
NW 82 W                  1110.     1019.       5.0
NW 164 W                 1045.      969.       5.0
NW MID W                  852.      824.       5.0
SW MID W                  883.      763.       5.0
SW 164 W                 1090.      922.       5.0
SW 82 W                  1153.      975.       5.0
SW CNR                   1221.     1022.       5.0
SW 82 S                  1286.      973.       5.0
SW 164 S                 1355.      925.       5.0
SW MID S                 1701.      691.       5.0
Site 2 Existing PM                      83  1   0
  1
EB        FP ap     AG   356.   564.   790.   729.    275.10.0   0  32   30.
  1
EB        FP ap     AG   790.   729.   886.   791.    275.10.0   0  32   30.
  1
EB        FP ap     AG   886.   791.  1232.  1062.    275.10.0   0  44   30.
  2
EB        FP ap     AG  1201.  1037.  1077.   941.      0.  24   2
       150       117       2.0  275   56.4 1818 1 3
  1
EB        FP dep1   AG  1232.  1062.  1296.  1102.     35.10.0   0  32   30.
  1
EB        FP dep1   AG  1296.  1102.  1370.  1132.     35.10.0   0  32   30.
  1
EB        FP dep1   AG  1370.  1132.  1471.  1144.     35.10.0   0  32   30.
  1
EB        FP dep2   AG  1471.  1144.  1588.  1161.    400.10.0   0  32   30.
  1
EB        FP dep2   AG  1588.  1161.  1685.  1199.    400.10.0   0  32   30.
  1
EB        FP dep2   AG  1685.  1199.  1748.  1253.    400.10.0   0  32   30.
  1
EB        FP dep2   AG  1748.  1253.  1798.  1335.    400.10.0   0  32   30.
  1
EB        FP dep2   AG  1798.  1335.  1869.  1566.    400.10.0   0  32   30.
  1
EB        FP dep2   AG  1869.  1566.  1902.  1635.    400.10.0   0  32   30.
  1
EB        FP dep2   AG  1902.  1635.  1977.  1717.    400.10.0   0  32   30.
  1
WB        FP dep    AG  1219.  1078.   886.   815.    335.10.0   0  32   30.
  1
WB        FP dep    AG   886.   815.   770.   742.    335.10.0   0  32   30.
  1
WB        FP dep    AG   770.   742.   348.   584.    335.10.0   0  32   30.
  1
NB        Sec ap    AG  2027.   477.  1879.   611.   1200.10.3   0  32   40.
  1
NB        Sec ap    AG  1879.   611.  1765.   694.   1200.10.3   0  32   40.
  1
NB        Sec ap    AG  1765.   694.  1384.   954.   1200.10.3   0  32   40.
  1
NB        Sec th+lt AG  1384.   954.  1250.  1060.    835.10.3   0  44   40.
  2
NB        Sec th+lt AG  1254.  1057.  1373.   963.      0.  24   2
       150        33       2.0  835   56.4 1244 1 3
  1
NB        Sec right AG  1384.   954.  1355.  1026.    365.10.3   0  32   40.
  1
NB        Sec right AG  1355.  1026.  1365.  1082.    365.10.3   0  32   40.
  1
NB        Sec right AG  1365.  1082.  1405.  1127.    365.10.3   0  32   40.
  1
NB        Sec right AG  1405.  1127.  1471.  1144.    365.10.3   0  32   40.
  1
NB        Sec dep1  AG  1250.  1060.  1200.  1133.    985.10.3   0  44   40.
  1
NB        Sec dep1  AG  1200.  1133.  1159.  1231.    985.10.3   0  44   40.
  1
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NB        Sec dep1  AG  1159.  1231.  1152.  1332.    985.10.3   0  44   40.
  1
NB        Sec dep1  AG  1152.  1332.  1181.  1520.    985.10.3   0  44   40.
  1
NB        Sec dep1  AG  1181.  1520.  1200.  1700.    985.10.3   0  44   40.
  1
NB        Sec dep2  AG  1200.  1700.  1171.  1855.   1525.10.3   0  56   40.
  1
NB        Sec dep2  AG  1171.  1855.  1107.  2059.   1525.10.3   0  56   40.
  1
SB        Sec ap1   AG  1072.  2056.  1133.  1837.   1030.10.3   0  44   40.
  1
SB        Sec ap1   AG  1133.  1837.  1161.  1681.   1030.10.3   0  56   40.
  1
SB        Sec ap1   AG  1161.  1681.  1144.  1496.   1030.10.3   0  56   40.
  1
SB        Sec ap1   AG  1144.  1496.  1126.  1364.   1030.10.3   0  56   40.
  1
SB        Sec ap2   AG  1126.  1364.  1123.  1294.   1020.10.3   0  44   40.
  1
SB        Sec ap2   AG  1123.  1294.  1133.  1221.   1020.10.3   0  44   40.
  1
SB        Sec ap2   AG  1133.  1221.  1151.  1166.   1020.10.3   0  44   40.
  1
SB        Sec ap2   AG  1151.  1166.  1198.  1073.   1020.10.3   0  44   40.
  2
SB        Sec ap    AG  1185.  1099.  1154.  1161.      0.  24   2
       150        33       2.0 1020   56.4 1859 1 3
  1
SB        Sec dep   AG  1198.  1073.  1295.   992.    775.10.3   0  32   40.
  1
SB        Sec dep   AG  1295.   992.  1425.   903.    775.10.3   0  32   40.
  1
SB        Sec dep   AG  1425.   903.  1755.   677.    775.10.3   0  32   40.
  1
SB        Sec dep   AG  1755.   677.  1881.   586.    775.10.3   0  32   40.
  1
SB        Sec dep   AG  1881.   586.  2016.   465.    775.10.3   0  32   40.
  1
EB        I-70 off  AG  1119.  1641.  1331.  1620.    540.10.0   0  32   30.
  1
EB        I-70 off  AG  1331.  1620.  1471.  1619.    540.10.0   0  32   30.
  1
EB        I-70 off  AG  1471.  1619.  1552.  1582.    540.10.0   0  32   30.
  1
EB        I-70 off  AG  1552.  1582.  1621.  1509.    540.10.0   0  32   30.
  1
EB        I-70 off  AG  1621.  1509.  1650.  1413.    540.10.0   0  32   30.
  1
EB        I-70 off  AG  1650.  1413.  1640.  1326.    540.10.0   0  32   30.
  1
EB        I-70 off  AG  1640.  1326.  1590.  1245.    540.10.0   0  32   30.
  1
EB        I-70 off  AG  1590.  1245.  1507.  1192.    540.10.0   0  32   30.
  1
EB        I-70 off  AG  1507.  1192.  1416.  1177.    540.10.0   0  32   30.
  1
EB        I-70 off  AG  1416.  1177.  1322.  1201.    540.10.0   0  32   30.
  1
EB        I-70 off  AG  1322.  1201.  1235.  1267.    540.10.0   0  32   30.
  1
EB        I-70 off  AG  1235.  1267.  1196.  1356.    540.10.0   0  32   30.
  1
EB        I-70 off  AG  1196.  1356.  1208.  1571.    540.10.0   0  32   30.
  1
EB        I-70 off  AG  1208.  1571.  1200.  1700.    540.10.0   0  32   30.
  1
SB        I-70 on   AG  1144.  1496.  1101.  1361.     10.10.0   0  32   30.
  1
SB        I-70 on   AG  1101.  1361.  1053.  1284.     10.10.0   0  32   30.
  1
SB        I-70 on   AG  1053.  1284.   971.  1226.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   971.  1226.   871.  1199.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   871.  1199.   761.  1207.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   761.  1207.   538.  1276.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   538.  1276.   464.  1321.     10.10.0   0  32   30.
  1
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SB        I-70 on   AG   464.  1321.   418.  1395.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   418.  1395.   412.  1486.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   412.  1486.   455.  1579.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   455.  1579.   526.  1636.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   526.  1636.   595.  1664.     10.10.0   0  32   30.
  1
SB        I-70 on   AG   595.  1664.   862.  1664.     10.10.0   0  32   30.
  1
EB        I-70 ap1  AG   490.  1746.   862.  1664.   1115.10.0   0  56   35.
  1
EB        I-70 ap2  AG   862.  1664.  1119.  1641.   1125.10.0   0  56   35.
  1
EB        I-70 ap3  AG  1119.  1641.  1485.  1676.    585.10.0   0  56   35.
  1
EB        I-70 ap3  AG  1485.  1676.  1747.  1716.    585.10.0   0  56   35.
  1
EB        I-70 ap3  AG  1747.  1716.  1947.  1761.    585.10.0   0  56   35.
  1
WB        I-70      AG  1894.  1811.  1492.  1733.   1960.10.0   0  56   35.
  1
WB        I-70      AG  1492.  1733.  1119.  1704.   1960.10.0   0  56   35.
  1
WB        I-70      AG  1119.  1704.   785.  1736.   1960.10.0   0  56   35.
  1
WB        I-70      AG   785.  1736.   526.  1788.   1960.10.0   0  56   35.
1.0   04  1000   0Y  5  0 72
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JOB: S2 Security & Forest Park EXPM RUN: Site 2 Existing PM
DATE: 09/05/2012 TIME: 16:10:36.07

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	FP ap	356.0	564.0	790.0	729.0	464.	69.	AG	275.	10.0	.0	32.0		
2. EB	FP ap	790.0	729.0	886.0	791.0	114.	57.	AG	275.	10.0	.0	32.0		
3. EB	FP ap	886.0	791.0	1232.0	1062.0	439.	52.	AG	275.	10.0	.0	44.0		
4. EB	FP ap	1201.0	1037.0	1131.7	983.3	88.	232.	AG	236.	100.0	.0	24.0	.39	4.5
5. EB	FP dep1	1232.0	1062.0	1296.0	1102.0	75.	58.	AG	35.	10.0	.0	32.0		
6. EB	FP dep1	1296.0	1102.0	1370.0	1132.0	80.	68.	AG	35.	10.0	.0	32.0		
7. EB	FP dep1	1370.0	1132.0	1471.0	1144.0	102.	83.	AG	35.	10.0	.0	32.0		
8. EB	FP dep2	1471.0	1144.0	1588.0	1161.0	118.	82.	AG	400.	10.0	.0	32.0		
9. EB	FP dep2	1588.0	1161.0	1685.0	1199.0	104.	69.	AG	400.	10.0	.0	32.0		
10. EB	FP dep2	1685.0	1199.0	1748.0	1253.0	83.	49.	AG	400.	10.0	.0	32.0		
11. EB	FP dep2	1748.0	1253.0	1798.0	1335.0	96.	31.	AG	400.	10.0	.0	32.0		
12. EB	FP dep2	1798.0	1335.0	1869.0	1566.0	242.	17.	AG	400.	10.0	.0	32.0		
13. EB	FP dep2	1869.0	1566.0	1902.0	1635.0	76.	26.	AG	400.	10.0	.0	32.0		
14. EB	FP dep2	1902.0	1635.0	1977.0	1717.0	111.	42.	AG	400.	10.0	.0	32.0		
15. WB	FP dep	1219.0	1078.0	886.0	815.0	424.	232.	AG	335.	10.0	.0	32.0		
16. WB	FP dep	886.0	815.0	770.0	742.0	137.	238.	AG	335.	10.0	.0	32.0		
17. WB	FP dep	770.0	742.0	348.0	584.0	451.	249.	AG	335.	10.0	.0	32.0		
18. NB	Sec ap	2027.0	477.0	1879.0	611.0	200.	312.	AG	1200.	10.3	.0	32.0		
19. NB	Sec ap	1879.0	611.0	1765.0	694.0	141.	306.	AG	1200.	10.3	.0	32.0		
20. NB	Sec ap	1765.0	694.0	1384.0	954.0	461.	304.	AG	1200.	10.3	.0	32.0		
21. NB	Sec th+lt	1384.0	954.0	1250.0	1060.0	171.	308.	AG	835.	10.3	.0	44.0		
22. NB	Sec th+lt	1254.0	1057.0	1313.0	1010.4	75.	128.	AG	67.	100.0	.0	24.0	.45	3.8
23. NB	Sec right	1384.0	954.0	1355.0	1026.0	78.	338.	AG	365.	10.3	.0	32.0		
24. NB	Sec right	1355.0	1026.0	1365.0	1082.0	57.	10.	AG	365.	10.3	.0	32.0		
25. NB	Sec right	1365.0	1082.0	1405.0	1127.0	60.	42.	AG	365.	10.3	.0	32.0		
26. NB	Sec right	1405.0	1127.0	1471.0	1144.0	68.	76.	AG	365.	10.3	.0	32.0		
27. NB	Sec dep1	1250.0	1060.0	1200.0	1133.0	88.	326.	AG	985.	10.3	.0	44.0		
28. NB	Sec dep1	1200.0	1133.0	1159.0	1231.0	106.	337.	AG	985.	10.3	.0	44.0		
29. NB	Sec dep1	1159.0	1231.0	1152.0	1332.0	101.	356.	AG	985.	10.3	.0	44.0		
30. NB	Sec dep1	1152.0	1332.0	1181.0	1520.0	190.	9.	AG	985.	10.3	.0	44.0		
31. NB	Sec dep1	1181.0	1520.0	1200.0	1700.0	181.	6.	AG	985.	10.3	.0	44.0		
32. NB	Sec dep2	1200.0	1700.0	1171.0	1855.0	158.	349.	AG	1525.	10.3	.0	56.0		
33. NB	Sec dep2	1171.0	1855.0	1107.0	2059.0	214.	343.	AG	1525.	10.3	.0	56.0		
34. SB	Sec ap1	1072.0	2056.0	1133.0	1837.0	227.	164.	AG	1030.	10.3	.0	44.0		
35. SB	Sec ap1	1133.0	1837.0	1161.0	1681.0	158.	170.	AG	1030.	10.3	.0	56.0		
36. SB	Sec ap1	1161.0	1681.0	1144.0	1496.0	186.	185.	AG	1030.	10.3	.0	56.0		
37. SB	Sec ap1	1144.0	1496.0	1126.0	1364.0	133.	188.	AG	1030.	10.3	.0	56.0		
38. SB	Sec ap2	1126.0	1364.0	1123.0	1294.0	70.	182.	AG	1020.	10.3	.0	44.0		
39. SB	Sec ap2	1123.0	1294.0	1133.0	1221.0	74.	172.	AG	1020.	10.3	.0	44.0		
40. SB	Sec ap2	1133.0	1221.0	1151.0	1166.0	58.	162.	AG	1020.	10.3	.0	44.0		
41. SB	Sec ap2	1151.0	1166.0	1198.0	1073.0	104.	153.	AG	1020.	10.3	.0	44.0		
42. SB	Sec ap	1185.0	1099.0	1143.8	1181.3	92.	333.	AG	67.	100.0	.0	24.0	.36	4.7
43. SB	Sec dep	1198.0	1073.0	1295.0	992.0	126.	130.	AG	775.	10.3	.0	32.0		
44. SB	Sec dep	1295.0	992.0	1425.0	903.0	158.	124.	AG	775.	10.3	.0	32.0		

JOB: S2 Security & Forest Park EXPM RUN: Site 2 Existing PM
DATE: 09/05/2012 TIME: 16:10:36.07

LINK VARIABLES

LINK DESCRIPTION		X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	Sec dep	1425.0	903.0	1755.0	677.0	400.	124.	AG	775.	10.3	.0	32.0		
46. SB	Sec dep	1755.0	677.0	1881.0	586.0	155.	126.	AG	775.	10.3	.0	32.0		
47. SB	Sec dep	1881.0	586.0	2016.0	465.0	181.	132.	AG	775.	10.3	.0	32.0		
48. EB	I-70 off	1119.0	1641.0	1331.0	1620.0	213.	96.	AG	540.	10.0	.0	32.0		
49. EB	I-70 off	1331.0	1620.0	1471.0	1619.0	140.	90.	AG	540.	10.0	.0	32.0		
50. EB	I-70 off	1471.0	1619.0	1552.0	1582.0	89.	115.	AG	540.	10.0	.0	32.0		
51. EB	I-70 off	1552.0	1582.0	1621.0	1509.0	100.	137.	AG	540.	10.0	.0	32.0		
52. EB	I-70 off	1621.0	1509.0	1650.0	1413.0	100.	163.	AG	540.	10.0	.0	32.0		
53. EB	I-70 off	1650.0	1413.0	1640.0	1326.0	88.	187.	AG	540.	10.0	.0	32.0		
54. EB	I-70 off	1640.0	1326.0	1590.0	1245.0	95.	212.	AG	540.	10.0	.0	32.0		
55. EB	I-70 off	1590.0	1245.0	1507.0	1192.0	98.	237.	AG	540.	10.0	.0	32.0		
56. EB	I-70 off	1507.0	1192.0	1416.0	1177.0	92.	261.	AG	540.	10.0	.0	32.0		
57. EB	I-70 off	1416.0	1177.0	1322.0	1201.0	97.	284.	AG	540.	10.0	.0	32.0		
58. EB	I-70 off	1322.0	1201.0	1235.0	1267.0	109.	307.	AG	540.	10.0	.0	32.0		
59. EB	I-70 off	1235.0	1267.0	1196.0	1356.0	97.	336.	AG	540.	10.0	.0	32.0		
60. EB	I-70 off	1196.0	1356.0	1208.0	1571.0	215.	3.	AG	540.	10.0	.0	32.0		
61. EB	I-70 off	1208.0	1571.0	1200.0	1700.0	129.	356.	AG	540.	10.0	.0	32.0		
62. SB	I-70 on	1144.0	1496.0	1101.0	1361.0	142.	198.	AG	10.	10.0	.0	32.0		
63. SB	I-70 on	1101.0	1361.0	1053.0	1284.0	91.	212.	AG	10.	10.0	.0	32.0		
64. SB	I-70 on	1053.0	1284.0	971.0	1226.0	100.	235.	AG	10.	10.0	.0	32.0		
65. SB	I-70 on	971.0	1226.0	871.0	1199.0	104.	255.	AG	10.	10.0	.0	32.0		

66. SB	I-70 on	*	871.0	1199.0	761.0	1207.0	*	110.	274.	AG	10.	10.0	.0	32.0
67. SB	I-70 on	*	761.0	1207.0	538.0	1276.0	*	233.	287.	AG	10.	10.0	.0	32.0
68. SB	I-70 on	*	538.0	1276.0	464.0	1321.0	*	87.	301.	AG	10.	10.0	.0	32.0
69. SB	I-70 on	*	464.0	1321.0	418.0	1395.0	*	87.	328.	AG	10.	10.0	.0	32.0
70. SB	I-70 on	*	418.0	1395.0	412.0	1486.0	*	91.	356.	AG	10.	10.0	.0	32.0
71. SB	I-70 on	*	412.0	1486.0	455.0	1579.0	*	102.	25.	AG	10.	10.0	.0	32.0
72. SB	I-70 on	*	455.0	1579.0	526.0	1636.0	*	91.	51.	AG	10.	10.0	.0	32.0
73. SB	I-70 on	*	526.0	1636.0	595.0	1664.0	*	74.	68.	AG	10.	10.0	.0	32.0
74. SB	I-70 on	*	595.0	1664.0	862.0	1664.0	*	267.	90.	AG	10.	10.0	.0	32.0
75. EB	I-70 ap1	*	490.0	1746.0	862.0	1664.0	*	381.	102.	AG	1115.	10.0	.0	56.0
76. EB	I-70 ap2	*	862.0	1664.0	1119.0	1641.0	*	258.	95.	AG	1125.	10.0	.0	56.0
77. EB	I-70 ap3	*	1119.0	1641.0	1485.0	1676.0	*	368.	85.	AG	585.	10.0	.0	56.0
78. EB	I-70 ap3	*	1485.0	1676.0	1747.0	1716.0	*	265.	81.	AG	585.	10.0	.0	56.0
79. EB	I-70 ap3	*	1747.0	1716.0	1947.0	1761.0	*	205.	77.	AG	585.	10.0	.0	56.0
80. WB	I-70	*	1894.0	1811.0	1492.0	1733.0	*	409.	259.	AG	1960.	10.0	.0	56.0
81. WB	I-70	*	1492.0	1733.0	1119.0	1704.0	*	374.	266.	AG	1960.	10.0	.0	56.0
82. WB	I-70	*	1119.0	1704.0	785.0	1736.0	*	336.	275.	AG	1960.	10.0	.0	56.0
83. WB	I-70	*	785.0	1736.0	526.0	1788.0	*	264.	281.	AG	1960.	10.0	.0	56.0

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JOB: S2 Security & Forest Park EXPM RUN: Site 2 Existing PM
DATE: 09/05/2012 TIME: 16:10:36.07

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB FP ap	*	150	117	2.0	275	1818	56.40	1	3
22. NB Sec th+lt	*	150	33	2.0	835	1244	56.40	1	3
42. SB Sec ap	*	150	33	2.0	1020	1859	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1762.0	722.0	5.0	*
2. SE 164 S	*	1477.0	913.0	5.0	*
3. SE 82 S	*	1412.0	962.0	5.0	*
4. SE CNR	*	1380.0	1054.0	5.0	*
5. SE 82 E	*	1456.0	1117.0	5.0	*
6. SE 164 E	*	1539.0	1123.0	5.0	*
7. SE MID E	*	1802.0	1280.0	5.0	*
8. NW 164 N	*	1105.0	1238.0	5.0	*
9. NW 82 N	*	1130.0	1158.0	5.0	*
10. NW CNR	*	1162.0	1081.0	5.0	*
11. NW 82 W	*	1110.0	1019.0	5.0	*
12. NW 164 W	*	1045.0	969.0	5.0	*
13. NW MID W	*	852.0	824.0	5.0	*
14. SW MID W	*	883.0	763.0	5.0	*
15. SW 164 W	*	1090.0	922.0	5.0	*
16. SW 82 W	*	1153.0	975.0	5.0	*
17. SW CNR	*	1221.0	1022.0	5.0	*
18. SW 82 S	*	1286.0	973.0	5.0	*
19. SW 164 S	*	1355.0	925.0	5.0	*
20. SW MID S	*	1701.0	691.0	5.0	*

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JOB: S2 Security & Forest Park EXPM RUN: Site 2 Existing PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.0	.0	.2	.2	.3	.3	.7	.8	.9	.0	.0	.0	.1	.2	1.2	.8	.6	.6	.6
5.	*	.0	.0	.0	.1	.2	.3	.3	.7	1.0	1.1	.0	.0	.0	.2	.2	1.2	.7	.7	.6	.6
10.	*	.0	.0	.0	.1	.3	.3	.1	.8	.9	1.0	.3	.0	.0	.2	.3	1.3	.6	.6	.6	.6
15.	*	.0	.0	.0	.2	.3	.3	.1	.9	.9	.8	.3	.1	.0	.2	.4	1.4	.6	.6	.6	.6
20.	*	.0	.0	.1	.2	.3	.3	.1	.8	.9	.8	.4	.1	.0	.2	.4	1.2	.5	.6	.6	.6
25.	*	.0	.0	.0	.2	.4	.2	.1	.9	.8	.7	.3	.0	.0	.2	.5	1.2	.6	.5	.6	.6
30.	*	.0	.0	.0	.1	.4	.1	.0	.8	.8	.6	.3	.1	.0	.2	.5	1.3	.7	.6	.7	.6
35.	*	.0	.0	.0	.0	.3	.1	.0	.8	.8	.7	.2	.1	.0	.2	.5	1.0	.4	.6	.6	.6
40.	*	.0	.0	.0	.0	.3	.1	.0	.8	.7	.7	.3	.1	.0	.2	.5	.9	.5	.6	.6	.6
45.	*	.0	.0	.0	.0	.2	.1	.0	.6	.8	.6	.3	.3	.1	.2	.4	.8	.5	.4	.5	.6
50.	*	.0	.0	.0	.0	.2	.2	.0	.6	.8	.6	.3	.3	.1	.2	.4	.8	.5	.4	.6	.6
55.	*	.0	.0	.0	.0	.1	.2	.0	.6	.7	.6	.4	.2	.1	.1	.4	.6	.5	.4	.5	.6
60.	*	.0	.0	.0	.0	.1	.2	.0	.5	.7	.6	.5	.3	.2	.1	.3	.5	.5	.4	.5	.6
65.	*	.0	.0	.0	.0	.1	.1	.0	.5	.8	.5	.4	.4	.2	.1	.2	.4	.5	.5	.5	.6
70.	*	.0	.0	.0	.0	.1	.1	.0	.5	.8	.5	.6	.4	.2	.0	.2	.3	.5	.5	.6	.7
75.	*	.0	.0	.0	.0	.1	.0	.0	.5	.7	.5	.8	.4	.2	.0	.1	.2	.6	.5	.6	.6
80.	*	.0	.0	.0	.0	.1	.0	.0	.5	.7	.5	.7	.5	.2	.0	.0	.2	.6	.5	.6	.6
85.	*	.0	.0	.0	.0	.1	.0	.0	.6	.7	.6	.8	.5	.2	.0	.1	.2	.6	.6	.6	.6
90.	*	.0	.0	.0	.0	.0	.0	.0	.5	.8	.6	.8	.3	.2	.0	.1	.3	.6	.6	.7	.8

95. *	.0	.1	.0	.0	.0	.0	.0	.5	.9	.7	.9	.4	.2	.0	.1	.3	.7	.6	.7	.7
100. *	.0	.1	.1	.0	.0	.0	.0	.6	.8	.6	1.0	.4	.3	.0	.1	.2	.8	.6	.8	.7
105. *	.1	.1	.1	.0	.0	.0	.0	.6	.7	.8	1.0	.3	.2	.0	.1	.3	.7	.7	.8	.7
110. *	.1	.2	.2	.0	.0	.0	.0	.6	.8	.9	.8	.3	.2	.0	.1	.2	.6	.7	.7	.7
115. *	.2	.4	.3	.0	.0	.0	.0	.6	1.0	.9	.8	.3	.2	.0	.0	.2	.6	.7	.7	.7
120. *	.3	.5	.4	.1	.0	.0	.0	.6	1.0	.8	.7	.2	.1	.0	.0	.1	.6	.6	.7	.7
125. *	.5	.6	.5	.1	.0	.0	.0	.8	1.1	.9	.7	.2	.1	.0	.0	.0	.5	.5	.5	.4
130. *	.7	.8	.7	.2	.0	.0	.0	.9	1.0	.9	.6	.2	.1	.0	.0	.0	.4	.4	.3	.4
135. *	.8	.9	.8	.3	.0	.0	.0	1.0	1.0	.8	.6	.2	.1	.0	.0	.0	.3	.3	.3	.2
140. *	.8	.9	.8	.3	.1	.0	.0	.8	1.0	.6	.5	.2	.1	.0	.0	.0	.0	.1	.1	.2
145. *	.9	.8	.8	.3	.1	.0	.0	.7	.8	.6	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0
150. *	.8	.8	.7	.3	.2	.0	.0	.8	.6	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0
155. *	.8	.8	.8	.3	.2	.1	.0	.7	.5	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0
160. *	.7	.8	.7	.3	.2	.1	.0	.6	.3	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0
165. *	.7	.7	.7	.4	.2	.1	.0	.5	.3	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0
170. *	.7	.7	.6	.3	.2	.2	.0	.4	.2	.6	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0
175. *	.5	.7	.6	.4	.2	.2	.0	.2	.2	.6	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
180. *	.7	.6	.5	.4	.1	.2	.0	.2	.2	.5	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
185. *	.6	.6	.6	.4	.1	.2	.0	.0	.1	.5	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
190. *	.6	.6	.6	.3	.1	.1	.0	.0	.1	.5	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
195. *	.6	.6	.6	.4	.1	.1	.0	.0	.0	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
200. *	.7	.6	.6	.4	.2	.1	.0	.0	.0	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
205. *	.5	.6	.6	.4	.1	.1	.0	.0	.0	.4	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0

1

JOB: S2 Security & Forest Park EXPM RUN: Site 2 Existing PM

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.6	.6	.6	.4	.2	.1	.0	.0	.0	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
215. *	.6	.6	.6	.4	.2	.1	.0	.0	.0	.3	.3	.2	.1	.0	.0	.1	.0	.0	.0	.0
220. *	.6	.6	.6	.4	.2	.1	.0	.0	.0	.2	.3	.2	.1	.0	.1	.1	.2	.0	.0	.0
225. *	.6	.6	.6	.3	.1	.0	.0	.0	.0	.1	.2	.1	.1	.0	.1	.1	.2	.0	.0	.0
230. *	.6	.6	.6	.3	.1	.0	.1	.0	.0	.1	.1	.1	.1	.0	.1	.1	.3	.0	.0	.0
235. *	.6	.6	.6	.2	.1	.1	.2	.0	.0	.0	.1	.1	.2	.0	.1	.2	.5	.0	.0	.0
240. *	.6	.6	.6	.4	.1	.1	.2	.0	.0	.0	.1	.1	.1	.1	.2	.2	.6	.0	.0	.0
245. *	.6	.6	.6	.5	.2	.1	.2	.0	.0	.0	.0	.0	.0	.2	.2	.3	.7	.0	.0	.0
250. *	.6	.7	.6	.5	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3	.2	.4	.8	.0	.0	.0
255. *	.6	.7	.7	.5	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3	.2	.3	.8	.0	.0	.0
260. *	.7	.7	.7	.5	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	.2	.3	.9	.1	.0	.0
265. *	.7	.7	.7	.5	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	.2	.4	.9	.1	.0	.0
270. *	.7	.7	.8	.6	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	.2	.4	.9	.1	.0	.0
275. *	.7	.8	.8	.5	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	.2	.4	.8	.2	.0	.0
280. *	.8	.8	.8	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	.2	.5	.8	.2	.1	.1
285. *	.8	.9	.8	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	.2	.5	.8	.2	.1	.1
290. *	.8	.9	.8	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	.2	.6	.7	.2	.2	.2
295. *	.8	.7	.8	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0	.2	.2	.6	.7	.3	.2	.3
300. *	.6	.6	.6	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.2	.2	.7	.6	.3	.3	.5
305. *	.5	.5	.5	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.2	.2	.7	.7	.3	.5	.5
310. *	.4	.5	.3	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.2	.2	.8	.7	.4	.5	.7
315. *	.2	.3	.3	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.2	.2	.9	.6	.5	.4	.7
320. *	.2	.2	.2	.1	.3	.2	.2	.1	.1	.1	.0	.0	.0	.2	.2	.9	.6	.7	.7	.7
325. *	.1	.1	.2	.1	.2	.2	.2	.0	.1	.1	.0	.0	.0	.2	.2	.9	.7	.6	.8	.8
330. *	.1	.1	.0	.1	.2	.2	.2	.1	.2	.1	.0	.0	.0	.2	.2	.9	1.0	.8	.7	.8
335. *	.0	.0	.0	.2	.3	.2	.2	.1	.4	.5	.0	.0	.0	.2	.2	.9	1.0	.8	.5	.8
340. *	.0	.0	.0	.2	.3	.2	.2	.2	.4	.6	.0	.0	.0	.2	.2	.9	1.0	.8	.5	.7
345. *	.0	.0	.0	.3	.3	.3	.2	.4	.4	.7	.1	.0	.0	.2	.2	.9	.9	.7	.5	.6
350. *	.0	.0	.1	.3	.3	.3	.3	.4	.7	.9	.1	.0	.0	.2	.2	1.1	.7	.7	.5	.6
355. *	.0	.0	.1	.3	.3	.2	.3	.5	.9	.9	.0	.1	.0	.2	.2	1.1	.7	.8	.7	.6
360. *	.0	.0	.0	.2	.2	.3	.3	.7	.8	.9	.0	.0	.0	.1	.2	1.2	.8	.6	.6	.6
MAX *	.9	.9	.8	.6	.4	.3	.3	1.0	1.1	1.1	1.0	.5	.3	.3	.5	1.4	1.0	.8	.8	.8
DEGR. *	145	285	280	270	25	0	0	135	125	5	100	80	100	250	25	15	330	355	100	90

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 15 DEGREES FROM REC16.
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 125 DEGREES FROM REC9 .
THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 5 DEGREES FROM REC10.

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S2 Security & Forest Park NBAM21        60.0321.0.0000.000200.30480000    1    1
SE MID S                 1762.      722.       5.0
SE 164 S                 1477.      913.       5.0
SE 82 S                  1412.      962.       5.0
SE CNR                   1380.     1054.       5.0
SE 82 E                  1456.     1117.       5.0
SE 164 E                 1539.     1123.       5.0
SE MID E                 1802.     1280.       5.0
NW 164 N                 1105.     1238.       5.0
NW 82 N                  1130.     1158.       5.0
NW CNR                   1162.     1081.       5.0
NW 82 W                  1110.     1019.       5.0
NW 164 W                 1045.      969.       5.0
NW MID W                  852.      824.       5.0
SW MID W                  883.      763.       5.0
SW 164 W                 1090.      922.       5.0
SW 82 W                  1153.      975.       5.0
SW CNR                   1221.     1022.       5.0
SW 82 S                  1286.      973.       5.0
SW 164 S                 1355.      925.       5.0
SW MID S                 1701.      691.       5.0
Site 2 No Build AM 2021                  83  1   0
  1
EB        FP ap     AG   356.   564.   790.   729.    315. 8.1   0  32   30.
  1
EB        FP ap     AG   790.   729.   886.   791.    315. 8.1   0  32   30.
  1
EB        FP ap     AG   886.   791.  1232.  1062.    315. 8.1   0  44   30.
  2
EB        FP ap     AG  1201.  1037.  1077.   941.      0.  24   2
       150       118       2.0  315   43.6 1822 1 3
  1
EB        FP dep1   AG  1232.  1062.  1296.  1102.     60. 8.1   0  32   30.
  1
EB        FP dep1   AG  1296.  1102.  1370.  1132.     60. 8.1   0  32   30.
  1
EB        FP dep1   AG  1370.  1132.  1471.  1144.     60. 8.1   0  32   30.
  1
EB        FP dep2   AG  1471.  1144.  1588.  1161.    260. 8.1   0  32   30.
  1
EB        FP dep2   AG  1588.  1161.  1685.  1199.    260. 8.1   0  32   30.
  1
EB        FP dep2   AG  1685.  1199.  1748.  1253.    260. 8.1   0  32   30.
  1
EB        FP dep2   AG  1748.  1253.  1798.  1335.    260. 8.1   0  32   30.
  1
EB        FP dep2   AG  1798.  1335.  1869.  1566.    260. 8.1   0  32   30.
  1
EB        FP dep2   AG  1869.  1566.  1902.  1635.    260. 8.1   0  32   30.
  1
EB        FP dep2   AG  1902.  1635.  1977.  1717.    260. 8.1   0  32   30.
  1
WB        FP dep    AG  1219.  1078.   886.   815.    185. 8.1   0  32   30.
  1
WB        FP dep    AG   886.   815.   770.   742.    185. 8.1   0  32   30.
  1
WB        FP dep    AG   770.   742.   348.   584.    185. 8.1   0  32   30.
  1
NB        Sec ap    AG  2027.   477.  1879.   611.    925. 8.3   0  32   40.
  1
NB        Sec ap    AG  1879.   611.  1765.   694.    925. 8.3   0  32   40.
  1
NB        Sec ap    AG  1765.   694.  1384.   954.    925. 8.3   0  32   40.
  1
NB        Sec th+lt AG  1384.   954.  1250.  1060.    725. 8.3   0  44   40.
  2
NB        Sec th+lt AG  1254.  1057.  1373.   963.      0.  24   2
       150        41       2.0  725   43.6 1184 1 3
  1
NB        Sec right AG  1384.   954.  1355.  1026.    200. 8.3   0  32   40.
  1
NB        Sec right AG  1355.  1026.  1365.  1082.    200. 8.3   0  32   40.
  1
NB        Sec right AG  1365.  1082.  1405.  1127.    200. 8.3   0  32   40.
  1
NB        Sec right AG  1405.  1127.  1471.  1144.    200. 8.3   0  32   40.
  1
NB        Sec dep1  AG  1250.  1060.  1200.  1133.    880. 8.3   0  44   40.
  1
NB        Sec dep1  AG  1200.  1133.  1159.  1231.    880. 8.3   0  44   40.
  1
```

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NB        Sec dep1  AG  1159.  1231.  1152.  1332.    880. 8.3   0  44   40.
  1
NB        Sec dep1  AG  1152.  1332.  1181.  1520.    880. 8.3   0  44   40.
  1
NB        Sec dep1  AG  1181.  1520.  1200.  1700.    880. 8.3   0  44   40.
  1
NB        Sec dep2  AG  1200.  1700.  1171.  1855.   2030. 8.3   0  56   40.
  1
NB        Sec dep2  AG  1171.  1855.  1107.  2059.   2030. 8.3   0  56   40.
  1
SB        Sec ap1   AG  1072.  2056.  1133.  1837.    975. 8.3   0  44   40.
  1
SB        Sec ap1   AG  1133.  1837.  1161.  1681.    975. 8.3   0  56   40.
  1
SB        Sec ap1   AG  1161.  1681.  1144.  1496.    975. 8.3   0  56   40.
  1
SB        Sec ap1   AG  1144.  1496.  1126.  1364.    975. 8.3   0  56   40.
  1
SB        Sec ap2   AG  1126.  1364.  1123.  1294.    965. 8.3   0  44   40.
  1
SB        Sec ap2   AG  1123.  1294.  1133.  1221.    965. 8.3   0  44   40.
  1
SB        Sec ap2   AG  1133.  1221.  1151.  1166.    965. 8.3   0  44   40.
  1
SB        Sec ap2   AG  1151.  1166.  1198.  1073.    965. 8.3   0  44   40.
  2
SB        Sec ap    AG  1185.  1099.  1154.  1161.      0.  24   2
       150        41       2.0  965   43.6 1859 1 3
  1
SB        Sec dep   AG  1198.  1073.  1295.   992.    880. 8.3   0  32   40.
  1
SB        Sec dep   AG  1295.   992.  1425.   903.    880. 8.3   0  32   40.
  1
SB        Sec dep   AG  1425.   903.  1755.   677.    880. 8.3   0  32   40.
  1
SB        Sec dep   AG  1755.   677.  1881.   586.    880. 8.3   0  32   40.
  1
SB        Sec dep   AG  1881.   586.  2016.   465.    880. 8.3   0  32   40.
  1
EB        I-70 off  AG  1119.  1641.  1331.  1620.   1150. 8.1   0  32   30.
  1
EB        I-70 off  AG  1331.  1620.  1471.  1619.   1150. 8.1   0  32   30.
  1
EB        I-70 off  AG  1471.  1619.  1552.  1582.   1150. 8.1   0  32   30.
  1
EB        I-70 off  AG  1552.  1582.  1621.  1509.   1150. 8.1   0  32   30.
  1
EB        I-70 off  AG  1621.  1509.  1650.  1413.   1150. 8.1   0  32   30.
  1
EB        I-70 off  AG  1650.  1413.  1640.  1326.   1150. 8.1   0  32   30.
  1
EB        I-70 off  AG  1640.  1326.  1590.  1245.   1150. 8.1   0  32   30.
  1
EB        I-70 off  AG  1590.  1245.  1507.  1192.   1150. 8.1   0  32   30.
  1
EB        I-70 off  AG  1507.  1192.  1416.  1177.   1150. 8.1   0  32   30.
  1
EB        I-70 off  AG  1416.  1177.  1322.  1201.   1150. 8.1   0  32   30.
  1
EB        I-70 off  AG  1322.  1201.  1235.  1267.   1150. 8.1   0  32   30.
  1
EB        I-70 off  AG  1235.  1267.  1196.  1356.   1150. 8.1   0  32   30.
  1
EB        I-70 off  AG  1196.  1356.  1208.  1571.   1150. 8.1   0  32   30.
  1
EB        I-70 off  AG  1208.  1571.  1200.  1700.   1150. 8.1   0  32   30.
  1
SB        I-70 on   AG  1144.  1496.  1101.  1361.     10. 8.1   0  32   30.
  1
SB        I-70 on   AG  1101.  1361.  1053.  1284.     10. 8.1   0  32   30.
  1
SB        I-70 on   AG  1053.  1284.   971.  1226.     10. 8.1   0  32   30.
  1
SB        I-70 on   AG   971.  1226.   871.  1199.     10. 8.1   0  32   30.
  1
SB        I-70 on   AG   871.  1199.   761.  1207.     10. 8.1   0  32   30.
  1
SB        I-70 on   AG   761.  1207.   538.  1276.     10. 8.1   0  32   30.
  1
SB        I-70 on   AG   538.  1276.   464.  1321.     10. 8.1   0  32   30.
  1
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SB        I-70 on   AG   464.  1321.   418.  1395.     10. 8.1   0  32   30.
  1
SB        I-70 on   AG   418.  1395.   412.  1486.     10. 8.1   0  32   30.
  1
SB        I-70 on   AG   412.  1486.   455.  1579.     10. 8.1   0  32   30.
  1
SB        I-70 on   AG   455.  1579.   526.  1636.     10. 8.1   0  32   30.
  1
SB        I-70 on   AG   526.  1636.   595.  1664.     10. 8.1   0  32   30.
  1
SB        I-70 on   AG   595.  1664.   862.  1664.     10. 8.1   0  32   30.
  1
EB        I-70 ap1  AG   490.  1746.   862.  1664.   1840. 8.1   0  56   35.
  1
EB        I-70 ap2  AG   862.  1664.  1119.  1641.   1850. 8.1   0  56   35.
  1
EB        I-70 ap3  AG  1119.  1641.  1485.  1676.    700. 8.1   0  56   35.
  1
EB        I-70 ap3  AG  1485.  1676.  1747.  1716.    700. 8.1   0  56   35.
  1
EB        I-70 ap3  AG  1747.  1716.  1947.  1761.    700. 8.1   0  56   35.
  1
WB        I-70      AG  1894.  1811.  1492.  1733.   1530. 8.1   0  56   35.
  1
WB        I-70      AG  1492.  1733.  1119.  1704.   1530. 8.1   0  56   35.
  1
WB        I-70      AG  1119.  1704.   785.  1736.   1530. 8.1   0  56   35.
  1
WB        I-70      AG   785.  1736.   526.  1788.   1530. 8.1   0  56   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S2 Security & Forest Park NBAM21 RUN: Site 2 No Build AM 2021
DATE: 09/05/2012 TIME: 16:36:04.04

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	FP ap	356.0	564.0	790.0	729.0	464.	69.	AG	315.	8.1	.0	32.0		
2. EB	FP ap	790.0	729.0	886.0	791.0	114.	57.	AG	315.	8.1	.0	32.0		
3. EB	FP ap	886.0	791.0	1232.0	1062.0	439.	52.	AG	315.	8.1	.0	44.0		
4. EB	FP ap	1201.0	1037.0	1120.9	975.0	101.	232.	AG	184.	100.0	.0	24.0	.46	5.1
5. EB	FP dep1	1232.0	1062.0	1296.0	1102.0	75.	58.	AG	60.	8.1	.0	32.0		
6. EB	FP dep1	1296.0	1102.0	1370.0	1132.0	80.	68.	AG	60.	8.1	.0	32.0		
7. EB	FP dep1	1370.0	1132.0	1471.0	1144.0	102.	83.	AG	60.	8.1	.0	32.0		
8. EB	FP dep2	1471.0	1144.0	1588.0	1161.0	118.	82.	AG	260.	8.1	.0	32.0		
9. EB	FP dep2	1588.0	1161.0	1685.0	1199.0	104.	69.	AG	260.	8.1	.0	32.0		
10. EB	FP dep2	1685.0	1199.0	1748.0	1253.0	83.	49.	AG	260.	8.1	.0	32.0		
11. EB	FP dep2	1748.0	1253.0	1798.0	1335.0	96.	31.	AG	260.	8.1	.0	32.0		
12. EB	FP dep2	1798.0	1335.0	1869.0	1566.0	242.	17.	AG	260.	8.1	.0	32.0		
13. EB	FP dep2	1869.0	1566.0	1902.0	1635.0	76.	26.	AG	260.	8.1	.0	32.0		
14. EB	FP dep2	1902.0	1635.0	1977.0	1717.0	111.	42.	AG	260.	8.1	.0	32.0		
15. WB	FP dep	1219.0	1078.0	886.0	815.0	424.	232.	AG	185.	8.1	.0	32.0		
16. WB	FP dep	886.0	815.0	770.0	742.0	137.	238.	AG	185.	8.1	.0	32.0		
17. WB	FP dep	770.0	742.0	348.0	584.0	451.	249.	AG	185.	8.1	.0	32.0		
18. NB	Sec ap	2027.0	477.0	1879.0	611.0	200.	312.	AG	925.	8.3	.0	32.0		
19. NB	Sec ap	1879.0	611.0	1765.0	694.0	141.	306.	AG	925.	8.3	.0	32.0		
20. NB	Sec ap	1765.0	694.0	1384.0	954.0	461.	304.	AG	925.	8.3	.0	32.0		
21. NB	Sec th+lt	1384.0	954.0	1250.0	1060.0	171.	308.	AG	725.	8.3	.0	44.0		
22. NB	Sec th+lt	1254.0	1057.0	1317.7	1006.7	81.	128.	AG	64.	100.0	.0	24.0	.44	4.1
23. NB	Sec right	1384.0	954.0	1355.0	1026.0	78.	338.	AG	200.	8.3	.0	32.0		
24. NB	Sec right	1355.0	1026.0	1365.0	1082.0	57.	10.	AG	200.	8.3	.0	32.0		
25. NB	Sec right	1365.0	1082.0	1405.0	1127.0	60.	42.	AG	200.	8.3	.0	32.0		
26. NB	Sec right	1405.0	1127.0	1471.0	1144.0	68.	76.	AG	200.	8.3	.0	32.0		
27. NB	Sec dep1	1250.0	1060.0	1200.0	1133.0	88.	326.	AG	880.	8.3	.0	44.0		
28. NB	Sec dep1	1200.0	1133.0	1159.0	1231.0	106.	337.	AG	880.	8.3	.0	44.0		
29. NB	Sec dep1	1159.0	1231.0	1152.0	1332.0	101.	356.	AG	880.	8.3	.0	44.0		
30. NB	Sec dep1	1152.0	1332.0	1181.0	1520.0	190.	9.	AG	880.	8.3	.0	44.0		
31. NB	Sec dep1	1181.0	1520.0	1200.0	1700.0	181.	6.	AG	880.	8.3	.0	44.0		
32. NB	Sec dep2	1200.0	1700.0	1171.0	1855.0	158.	349.	AG	2030.	8.3	.0	56.0		
33. NB	Sec dep2	1171.0	1855.0	1107.0	2059.0	214.	343.	AG	2030.	8.3	.0	56.0		
34. SB	Sec ap1	1072.0	2056.0	1133.0	1837.0	227.	164.	AG	975.	8.3	.0	44.0		
35. SB	Sec ap1	1133.0	1837.0	1161.0	1681.0	158.	170.	AG	975.	8.3	.0	56.0		
36. SB	Sec ap1	1161.0	1681.0	1144.0	1496.0	186.	185.	AG	975.	8.3	.0	56.0		
37. SB	Sec ap1	1144.0	1496.0	1126.0	1364.0	133.	188.	AG	975.	8.3	.0	56.0		
38. SB	Sec ap2	1126.0	1364.0	1123.0	1294.0	70.	182.	AG	965.	8.3	.0	44.0		
39. SB	Sec ap2	1123.0	1294.0	1133.0	1221.0	74.	172.	AG	965.	8.3	.0	44.0		
40. SB	Sec ap2	1133.0	1221.0	1151.0	1166.0	58.	162.	AG	965.	8.3	.0	44.0		
41. SB	Sec ap2	1151.0	1166.0	1198.0	1073.0	104.	153.	AG	965.	8.3	.0	44.0		
42. SB	Sec ap	1185.0	1099.0	1136.7	1195.7	108.	333.	AG	64.	100.0	.0	24.0	.37	5.5
43. SB	Sec dep	1198.0	1073.0	1295.0	992.0	126.	130.	AG	880.	8.3	.0	32.0		
44. SB	Sec dep	1295.0	992.0	1425.0	903.0	158.	124.	AG	880.	8.3	.0	32.0		

JOB: S2 Security & Forest Park NBAM21 RUN: Site 2 No Build AM 2021
DATE: 09/05/2012 TIME: 16:36:04.04

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	Sec dep	1425.0	903.0	1755.0	677.0	400.	124.	AG	880.	8.3	.0	32.0		
46. SB	Sec dep	1755.0	677.0	1881.0	586.0	155.	126.	AG	880.	8.3	.0	32.0		
47. SB	Sec dep	1881.0	586.0	2016.0	465.0	181.	132.	AG	880.	8.3	.0	32.0		
48. EB	I-70 off	1119.0	1641.0	1331.0	1620.0	213.	96.	AG	1150.	8.1	.0	32.0		
49. EB	I-70 off	1331.0	1620.0	1471.0	1619.0	140.	90.	AG	1150.	8.1	.0	32.0		
50. EB	I-70 off	1471.0	1619.0	1552.0	1582.0	89.	115.	AG	1150.	8.1	.0	32.0		
51. EB	I-70 off	1552.0	1582.0	1621.0	1509.0	100.	137.	AG	1150.	8.1	.0	32.0		
52. EB	I-70 off	1621.0	1509.0	1650.0	1413.0	100.	163.	AG	1150.	8.1	.0	32.0		
53. EB	I-70 off	1650.0	1413.0	1640.0	1326.0	88.	187.	AG	1150.	8.1	.0	32.0		
54. EB	I-70 off	1640.0	1326.0	1590.0	1245.0	95.	212.	AG	1150.	8.1	.0	32.0		
55. EB	I-70 off	1590.0	1245.0	1507.0	1192.0	98.	237.	AG	1150.	8.1	.0	32.0		
56. EB	I-70 off	1507.0	1192.0	1416.0	1177.0	92.	261.	AG	1150.	8.1	.0	32.0		
57. EB	I-70 off	1416.0	1177.0	1322.0	1201.0	97.	284.	AG	1150.	8.1	.0	32.0		
58. EB	I-70 off	1322.0	1201.0	1235.0	1267.0	109.	307.	AG	1150.	8.1	.0	32.0		
59. EB	I-70 off	1235.0	1267.0	1196.0	1356.0	97.	336.	AG	1150.	8.1	.0	32.0		
60. EB	I-70 off	1196.0	1356.0	1208.0	1571.0	215.	3.	AG	1150.	8.1	.0	32.0		
61. EB	I-70 off	1208.0	1571.0	1200.0	1700.0	129.	356.	AG	1150.	8.1	.0	32.0		
62. SB	I-70 on	1144.0	1496.0	1101.0	1361.0	142.	198.	AG	10.	8.1	.0	32.0		
63. SB	I-70 on	1101.0	1361.0	1053.0	1284.0	91.	212.	AG	10.	8.1	.0	32.0		
64. SB	I-70 on	1053.0	1284.0	971.0	1226.0	100.	235.	AG	10.	8.1	.0	32.0		
65. SB	I-70 on	971.0	1226.0	871.0	1199.0	104.	255.	AG	10.	8.1	.0	32.0		

66. SB	I-70 on	*	871.0	1199.0	761.0	1207.0	*	110.	274.	AG	10.	8.1	.0	32.0
67. SB	I-70 on	*	761.0	1207.0	538.0	1276.0	*	233.	287.	AG	10.	8.1	.0	32.0
68. SB	I-70 on	*	538.0	1276.0	464.0	1321.0	*	87.	301.	AG	10.	8.1	.0	32.0
69. SB	I-70 on	*	464.0	1321.0	418.0	1395.0	*	87.	328.	AG	10.	8.1	.0	32.0
70. SB	I-70 on	*	418.0	1395.0	412.0	1486.0	*	91.	356.	AG	10.	8.1	.0	32.0
71. SB	I-70 on	*	412.0	1486.0	455.0	1579.0	*	102.	25.	AG	10.	8.1	.0	32.0
72. SB	I-70 on	*	455.0	1579.0	526.0	1636.0	*	91.	51.	AG	10.	8.1	.0	32.0
73. SB	I-70 on	*	526.0	1636.0	595.0	1664.0	*	74.	68.	AG	10.	8.1	.0	32.0
74. SB	I-70 on	*	595.0	1664.0	862.0	1664.0	*	267.	90.	AG	10.	8.1	.0	32.0
75. EB	I-70 ap1	*	490.0	1746.0	862.0	1664.0	*	381.	102.	AG	1840.	8.1	.0	56.0
76. EB	I-70 ap2	*	862.0	1664.0	1119.0	1641.0	*	258.	95.	AG	1850.	8.1	.0	56.0
77. EB	I-70 ap3	*	1119.0	1641.0	1485.0	1676.0	*	368.	85.	AG	700.	8.1	.0	56.0
78. EB	I-70 ap3	*	1485.0	1676.0	1747.0	1716.0	*	265.	81.	AG	700.	8.1	.0	56.0
79. EB	I-70 ap3	*	1747.0	1716.0	1947.0	1761.0	*	205.	77.	AG	700.	8.1	.0	56.0
80. WB	I-70	*	1894.0	1811.0	1492.0	1733.0	*	409.	259.	AG	1530.	8.1	.0	56.0
81. WB	I-70	*	1492.0	1733.0	1119.0	1704.0	*	374.	266.	AG	1530.	8.1	.0	56.0
82. WB	I-70	*	1119.0	1704.0	785.0	1736.0	*	336.	275.	AG	1530.	8.1	.0	56.0
83. WB	I-70	*	785.0	1736.0	526.0	1788.0	*	264.	281.	AG	1530.	8.1	.0	56.0

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JOB: S2 Security & Forest Park NBAM21 RUN: Site 2 No Build AM 2021
DATE: 09/05/2012 TIME: 16:36:04.04

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB	FP ap	150	118	2.0	315	1822	43.60	1	3
22. NB	Sec th+lt	150	41	2.0	725	1184	43.60	1	3
42. SB	Sec ap	150	41	2.0	965	1859	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1762.0	722.0	5.0
2. SE 164 S	1477.0	913.0	5.0
3. SE 82 S	1412.0	962.0	5.0
4. SE CNR	1380.0	1054.0	5.0
5. SE 82 E	1456.0	1117.0	5.0
6. SE 164 E	1539.0	1123.0	5.0
7. SE MID E	1802.0	1280.0	5.0
8. NW 164 N	1105.0	1238.0	5.0
9. NW 82 N	1130.0	1158.0	5.0
10. NW CNR	1162.0	1081.0	5.0
11. NW 82 W	1110.0	1019.0	5.0
12. NW 164 W	1045.0	969.0	5.0
13. NW MID W	852.0	824.0	5.0
14. SW MID W	883.0	763.0	5.0
15. SW 164 W	1090.0	922.0	5.0
16. SW 82 W	1153.0	975.0	5.0
17. SW CNR	1221.0	1022.0	5.0
18. SW 82 S	1286.0	973.0	5.0
19. SW 164 S	1355.0	925.0	5.0
20. SW MID S	1701.0	691.0	5.0

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JOB: S2 Security & Forest Park NBAM21 RUN: Site 2 No Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.0	.0	.1	.2	.2	.0	.4	.6	.6	.0	.0	.0	.1	.1	.8	.5	.4	.4	.5
5.	.0	.0	.0	.1	.2	.2	.1	.5	.7	.7	.0	.0	.0	.0	.1	.8	.4	.5	.4	.5
10.	.0	.0	.0	.1	.1	.2	.1	.6	.9	.6	.0	.0	.0	.1	.2	.8	.4	.5	.4	.4
15.	.0	.0	.0	.1	.1	.3	.0	.8	.9	.6	.2	.0	.0	.1	.2	.8	.4	.5	.3	.4
20.	.0	.0	.0	.1	.1	.3	.0	.8	1.0	.6	.3	.0	.0	.1	.3	.9	.4	.4	.3	.4
25.	.0	.0	.0	.1	.2	.3	.0	.8	.8	.5	.3	.0	.0	.1	.3	.9	.4	.4	.3	.4
30.	.0	.0	.0	.1	.2	.3	.0	.6	.7	.7	.3	.0	.0	.1	.3	.9	.3	.4	.3	.5
35.	.0	.0	.0	.1	.2	.2	.0	.7	.6	.6	.1	.0	.0	.1	.4	.8	.4	.5	.4	.5
40.	.0	.0	.0	.1	.2	.1	.0	.6	.6	.6	.1	.0	.0	.1	.4	.8	.5	.5	.4	.5
45.	.0	.0	.0	.1	.2	.0	.0	.6	.5	.4	.2	.0	.0	.1	.4	.6	.5	.4	.4	.4
50.	.0	.0	.0	.0	.2	.0	.0	.6	.7	.4	.2	.1	.0	.1	.3	.5	.4	.3	.4	.4
55.	.0	.0	.0	.0	.2	.0	.0	.6	.7	.4	.2	.1	.0	.1	.3	.4	.4	.3	.3	.4
60.	.0	.0	.0	.0	.2	.0	.0	.5	.8	.4	.3	.3	.1	.1	.2	.4	.4	.3	.3	.4
65.	.0	.0	.0	.0	.1	.0	.0	.5	.8	.3	.4	.4	.2	.1	.1	.4	.4	.3	.3	.4
70.	.0	.0	.0	.0	.1	.0	.0	.5	.7	.3	.4	.4	.2	.0	.0	.2	.4	.3	.4	.5
75.	.0	.0	.0	.0	.0	.0	.0	.5	.7	.3	.5	.4	.1	.0	.0	.2	.4	.4	.5	.5
80.	.0	.0	.0	.0	.0	.0	.0	.5	.6	.3	.6	.4	.1	.0	.0	.2	.4	.4	.5	.5
85.	.0	.0	.0	.0	.0	.0	.0	.5	.6	.4	.7	.4	.1	.0	.0	.2	.5	.4	.5	.5
90.	.0	.0	.0	.0	.0	.0	.0	.6	.5	.4	.7	.3	.1	.0	.0	.2	.5	.5	.5	.6

95. *	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.8	.3	.1	.0	.1	.1	.4	.5	.6	.6
100. *	.0	.1	.0	.0	.0	.0	.0	.6	.6	.5	.8	.3	.1	.0	.1	.2	.5	.5	.5	.5
105. *	.0	.1	.1	.0	.0	.0	.0	.5	.7	.6	.7	.3	.1	.0	.0	.2	.6	.6	.5	.4
110. *	.1	.1	.1	.0	.0	.0	.0	.4	.7	.6	.7	.1	.1	.0	.0	.2	.5	.6	.6	.4
115. *	.1	.3	.2	.0	.0	.0	.0	.4	.7	.6	.6	.1	.0	.0	.0	.2	.6	.5	.6	.6
120. *	.1	.4	.3	.0	.0	.0	.0	.4	.7	.6	.5	.1	.0	.0	.0	.0	.5	.4	.5	.5
125. *	.4	.4	.4	.1	.0	.0	.0	.5	.9	.7	.5	.1	.0	.0	.0	.0	.5	.4	.3	.4
130. *	.4	.6	.4	.2	.0	.0	.0	.6	.8	.7	.5	.1	.0	.0	.0	.0	.4	.3	.3	.2
135. *	.5	.6	.6	.2	.0	.0	.0	.6	.8	.3	.5	.1	.0	.0	.0	.0	.2	.3	.3	.2
140. *	.6	.6	.6	.2	.0	.0	.0	.6	.6	.5	.4	.1	.0	.0	.0	.0	.0	.1	.1	.1
145. *	.5	.6	.6	.2	.0	.0	.0	.6	.6	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0
150. *	.5	.6	.5	.2	.1	.0	.0	.6	.5	.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0
155. *	.5	.6	.5	.2	.2	.0	.0	.5	.4	.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0
160. *	.5	.5	.5	.2	.2	.0	.0	.5	.3	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
165. *	.5	.5	.5	.2	.2	.1	.0	.5	.2	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
170. *	.4	.5	.5	.2	.2	.1	.0	.4	.2	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
175. *	.4	.5	.5	.3	.2	.2	.0	.2	.2	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
180. *	.5	.5	.4	.3	.1	.2	.0	.1	.1	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
185. *	.5	.5	.4	.2	.1	.1	.0	.0	.1	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
190. *	.5	.5	.4	.2	.1	.1	.0	.0	.1	.4	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
195. *	.4	.5	.4	.2	.0	.1	.0	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
200. *	.4	.5	.4	.2	.0	.1	.0	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
205. *	.3	.5	.4	.2	.1	.0	.0	.0	.0	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0

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JOB: S2 Security & Forest Park NBAM21 RUN: Site 2 No Build AM 2021

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.3	.5	.4	.2	.1	.0	.0	.0	.0	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
215. *	.5	.5	.4	.2	.1	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	.1	.0	.0	.0	.0
220. *	.4	.5	.4	.2	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.1	.1	.1	.0	.0	.0
225. *	.4	.5	.4	.2	.1	.0	.0	.0	.0	.0	.2	.1	.0	.0	.1	.1	.2	.0	.0	.0
230. *	.4	.5	.4	.2	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.1	.3	.0	.0	.0
235. *	.4	.5	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.0	.0	.0
240. *	.5	.5	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.4	.0	.0	.0
245. *	.5	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.5	.0	.0	.0
250. *	.5	.5	.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.6	.0	.0	.0
255. *	.5	.5	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.4	.6	.0	.0	.0
260. *	.5	.5	.4	.5	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.1	.4	.6	.1	.0	.0
265. *	.5	.5	.4	.5	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.1	.4	.6	.1	.0	.0
270. *	.5	.5	.6	.5	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	.1	.5	.6	.1	.0	.0
275. *	.5	.5	.6	.3	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	.1	.5	.6	.1	.0	.0
280. *	.6	.5	.6	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.1	.6	.6	.2	.1	.1
285. *	.6	.6	.6	.2	.0	.2	.1	.0	.0	.0	.0	.0	.0	.1	.1	.6	.5	.2	.1	.1
290. *	.6	.5	.5	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0	.1	.1	.6	.5	.2	.1	.1
295. *	.6	.5	.4	.1	.3	.3	.1	.0	.0	.0	.0	.0	.0	.1	.1	.6	.5	.3	.2	.3
300. *	.4	.4	.3	.1	.3	.3	.2	.0	.0	.0	.0	.0	.0	.1	.1	.6	.4	.2	.3	.3
305. *	.4	.4	.2	.1	.3	.2	.1	.0	.0	.0	.0	.0	.0	.1	.1	.6	.4	.2	.3	.4
310. *	.3	.3	.1	.0	.3	.2	.1	.1	.0	.0	.0	.0	.0	.1	.1	.7	.5	.3	.5	.5
315. *	.1	.2	.1	.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.1	.1	.7	.5	.4	.4	.6
320. *	.1	.1	.1	.0	.3	.2	.1	.1	.1	.0	.0	.0	.0	.1	.1	.7	.4	.5	.5	.6
325. *	.1	.1	.1	.1	.3	.2	.1	.1	.1	.1	.0	.0	.0	.1	.1	.7	.5	.6	.6	.6
330. *	.0	.0	.0	.1	.3	.3	.1	.0	.1	.1	.0	.0	.0	.1	.1	.7	.6	.6	.7	.6
335. *	.0	.0	.0	.1	.3	.3	.1	.1	.2	.2	.0	.0	.0	.1	.1	.7	.7	.6	.6	.5
340. *	.0	.0	.0	.1	.2	.3	.1	.3	.4	.4	.0	.0	.0	.1	.1	.7	.7	.6	.5	.5
345. *	.0	.0	.0	.1	.2	.2	.1	.3	.4	.4	.0	.0	.0	.1	.1	.7	.7	.6	.5	.5
350. *	.0	.0	.0	.1	.2	.2	.1	.3	.5	.5	.0	.0	.0	.1	.1	.7	.6	.4	.5	.5
355. *	.0	.0	.0	.1	.2	.2	.1	.4	.5	.6	.0	.0	.0	.1	.1	.8	.6	.4	.5	.5
360. *	.0	.0	.0	.1	.2	.2	.0	.4	.6	.6	.0	.0	.0	.1	.1	.8	.5	.4	.4	.5
MAX *	.6	.6	.6	.5	.3	.3	.2	.8	1.0	.7	.8	.4	.2	.1	.4	.9	.7	.6	.7	.6
DEGR. *	140	130	135	245	295	15	270	15	20	30	95	65	65	0	35	20	335	105	330	90

THE HIGHEST CONCENTRATION IS 1.00 PPM AT 20 DEGREES FROM REC9 .
THE 2ND HIGHEST CONCENTRATION IS .90 PPM AT 20 DEGREES FROM REC16.
THE 3RD HIGHEST CONCENTRATION IS .80 PPM AT 15 DEGREES FROM REC8 .

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S2 Security & Forest Park NBAM35        60.0321.0.0000.000200.30480000    1    1
SE MID S                 1762.      722.       5.0
SE 164 S                 1477.      913.       5.0
SE 82 S                  1412.      962.       5.0
SE CNR                   1380.     1054.       5.0
SE 82 E                  1456.     1117.       5.0
SE 164 E                 1539.     1123.       5.0
SE MID E                 1802.     1280.       5.0
NW 164 N                 1105.     1238.       5.0
NW 82 N                  1130.     1158.       5.0
NW CNR                   1162.     1081.       5.0
NW 82 W                  1110.     1019.       5.0
NW 164 W                 1045.      969.       5.0
NW MID W                  852.      824.       5.0
SW MID W                  883.      763.       5.0
SW 164 W                 1090.      922.       5.0
SW 82 W                  1153.      975.       5.0
SW CNR                   1221.     1022.       5.0
SW 82 S                  1286.      973.       5.0
SW 164 S                 1355.      925.       5.0
SW MID S                 1701.      691.       5.0
Site 2 No Build AM 2035                  83  1   0
  1
EB        FP ap     AG   356.   564.   790.   729.    335. 7.8   0  32   30.
  1
EB        FP ap     AG   790.   729.   886.   791.    335. 7.8   0  32   30.
  1
EB        FP ap     AG   886.   791.  1232.  1062.    335. 7.8   0  44   30.
  2
EB        FP ap     AG  1201.  1037.  1077.   941.      0.  24   2
       150       109       2.0  335   42.1 1822 1 3
  1
EB        FP dep1   AG  1232.  1062.  1296.  1102.     60. 7.8   0  32   30.
  1
EB        FP dep1   AG  1296.  1102.  1370.  1132.     60. 7.8   0  32   30.
  1
EB        FP dep1   AG  1370.  1132.  1471.  1144.     60. 7.8   0  32   30.
  1
EB        FP dep2   AG  1471.  1144.  1588.  1161.    260. 7.8   0  32   30.
  1
EB        FP dep2   AG  1588.  1161.  1685.  1199.    260. 7.8   0  32   30.
  1
EB        FP dep2   AG  1685.  1199.  1748.  1253.    260. 7.8   0  32   30.
  1
EB        FP dep2   AG  1748.  1253.  1798.  1335.    260. 7.8   0  32   30.
  1
EB        FP dep2   AG  1798.  1335.  1869.  1566.    260. 7.8   0  32   30.
  1
EB        FP dep2   AG  1869.  1566.  1902.  1635.    260. 7.8   0  32   30.
  1
EB        FP dep2   AG  1902.  1635.  1977.  1717.    260. 7.8   0  32   30.
  1
WB        FP dep    AG  1219.  1078.   886.   815.    185. 7.8   0  32   30.
  1
WB        FP dep    AG   886.   815.   770.   742.    185. 7.8   0  32   30.
  1
WB        FP dep    AG   770.   742.   348.   584.    185. 7.8   0  32   30.
  1
NB        Sec ap    AG  2027.   477.  1879.   611.    905. 8.1   0  32   40.
  1
NB        Sec ap    AG  1879.   611.  1765.   694.    905. 8.1   0  32   40.
  1
NB        Sec ap    AG  1765.   694.  1384.   954.    905. 8.1   0  32   40.
  1
NB        Sec th+lt AG  1384.   954.  1250.  1060.    705. 8.1   0  44   40.
  2
NB        Sec th+lt AG  1254.  1057.  1373.   963.      0.  24   2
       150        41       2.0  705   42.1 1184 1 3
  1
NB        Sec right AG  1384.   954.  1355.  1026.    200. 8.1   0  32   40.
  1
NB        Sec right AG  1355.  1026.  1365.  1082.    200. 8.1   0  32   40.
  1
NB        Sec right AG  1365.  1082.  1405.  1127.    200. 8.1   0  32   40.
  1
NB        Sec right AG  1405.  1127.  1471.  1144.    200. 8.1   0  32   40.
  1
NB        Sec dep1  AG  1250.  1060.  1200.  1133.    880. 8.1   0  44   40.
  1
NB        Sec dep1  AG  1200.  1133.  1159.  1231.    880. 8.1   0  44   40.
  1
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NB        Sec dep1  AG  1159.  1231.  1152.  1332.    880. 8.1   0  44   40.
  1
NB        Sec dep1  AG  1152.  1332.  1181.  1520.    880. 8.1   0  44   40.
  1
NB        Sec dep1  AG  1181.  1520.  1200.  1700.    880. 8.1   0  44   40.
  1
NB        Sec dep2  AG  1200.  1700.  1171.  1855.   2380. 8.1   0  56   40.
  1
NB        Sec dep2  AG  1171.  1855.  1107.  2059.   2380. 8.1   0  56   40.
  1
SB        Sec ap1   AG  1072.  2056.  1133.  1837.    975. 8.1   0  44   40.
  1
SB        Sec ap1   AG  1133.  1837.  1161.  1681.    975. 8.1   0  56   40.
  1
SB        Sec ap1   AG  1161.  1681.  1144.  1496.    975. 8.1   0  56   40.
  1
SB        Sec ap1   AG  1144.  1496.  1126.  1364.    975. 8.1   0  56   40.
  1
SB        Sec ap2   AG  1126.  1364.  1123.  1294.    965. 8.1   0  44   40.
  1
SB        Sec ap2   AG  1123.  1294.  1133.  1221.    965. 8.1   0  44   40.
  1
SB        Sec ap2   AG  1133.  1221.  1151.  1166.    965. 8.1   0  44   40.
  1
SB        Sec ap2   AG  1151.  1166.  1198.  1073.    965. 8.1   0  44   40.
  2
SB        Sec ap    AG  1185.  1099.  1154.  1161.      0.  24   2
       150        41       2.0  965   42.1 1859 1 3
  1
SB        Sec dep   AG  1198.  1073.  1295.   992.    880. 8.1   0  32   40.
  1
SB        Sec dep   AG  1295.   992.  1425.   903.    880. 8.1   0  32   40.
  1
SB        Sec dep   AG  1425.   903.  1755.   677.    880. 8.1   0  32   40.
  1
SB        Sec dep   AG  1755.   677.  1881.   586.    880. 8.1   0  32   40.
  1
SB        Sec dep   AG  1881.   586.  2016.   465.    880. 8.1   0  32   40.
  1
EB        I-70 off  AG  1119.  1641.  1331.  1620.   1500. 7.8   0  32   30.
  1
EB        I-70 off  AG  1331.  1620.  1471.  1619.   1500. 7.8   0  32   30.
  1
EB        I-70 off  AG  1471.  1619.  1552.  1582.   1500. 7.8   0  32   30.
  1
EB        I-70 off  AG  1552.  1582.  1621.  1509.   1500. 7.8   0  32   30.
  1
EB        I-70 off  AG  1621.  1509.  1650.  1413.   1500. 7.8   0  32   30.
  1
EB        I-70 off  AG  1650.  1413.  1640.  1326.   1500. 7.8   0  32   30.
  1
EB        I-70 off  AG  1640.  1326.  1590.  1245.   1500. 7.8   0  32   30.
  1
EB        I-70 off  AG  1590.  1245.  1507.  1192.   1500. 7.8   0  32   30.
  1
EB        I-70 off  AG  1507.  1192.  1416.  1177.   1500. 7.8   0  32   30.
  1
EB        I-70 off  AG  1416.  1177.  1322.  1201.   1500. 7.8   0  32   30.
  1
EB        I-70 off  AG  1322.  1201.  1235.  1267.   1500. 7.8   0  32   30.
  1
EB        I-70 off  AG  1235.  1267.  1196.  1356.   1500. 7.8   0  32   30.
  1
EB        I-70 off  AG  1196.  1356.  1208.  1571.   1500. 7.8   0  32   30.
  1
EB        I-70 off  AG  1208.  1571.  1200.  1700.   1500. 7.8   0  32   30.
  1
SB        I-70 on   AG  1144.  1496.  1101.  1361.     10. 7.8   0  32   30.
  1
SB        I-70 on   AG  1101.  1361.  1053.  1284.     10. 7.8   0  32   30.
  1
SB        I-70 on   AG  1053.  1284.   971.  1226.     10. 7.8   0  32   30.
  1
SB        I-70 on   AG   971.  1226.   871.  1199.     10. 7.8   0  32   30.
  1
SB        I-70 on   AG   871.  1199.   761.  1207.     10. 7.8   0  32   30.
  1
SB        I-70 on   AG   761.  1207.   538.  1276.     10. 7.8   0  32   30.
  1
SB        I-70 on   AG   538.  1276.   464.  1321.     10. 7.8   0  32   30.
  1
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SB        I-70 on   AG   464.  1321.   418.  1395.     10. 7.8   0  32   30.
  1
SB        I-70 on   AG   418.  1395.   412.  1486.     10. 7.8   0  32   30.
  1
SB        I-70 on   AG   412.  1486.   455.  1579.     10. 7.8   0  32   30.
  1
SB        I-70 on   AG   455.  1579.   526.  1636.     10. 7.8   0  32   30.
  1
SB        I-70 on   AG   526.  1636.   595.  1664.     10. 7.8   0  32   30.
  1
SB        I-70 on   AG   595.  1664.   862.  1664.     10. 7.8   0  32   30.
  1
EB        I-70 ap1  AG   490.  1746.   862.  1664.   2120. 7.9   0  56   35.
  1
EB        I-70 ap2  AG   862.  1664.  1119.  1641.   2130. 7.9   0  56   35.
  1
EB        I-70 ap3  AG  1119.  1641.  1485.  1676.    630. 7.9   0  56   35.
  1
EB        I-70 ap3  AG  1485.  1676.  1747.  1716.    630. 7.9   0  56   35.
  1
EB        I-70 ap3  AG  1747.  1716.  1947.  1761.    630. 7.9   0  56   35.
  1
WB        I-70      AG  1894.  1811.  1492.  1733.   1770. 7.9   0  56   35.
  1
WB        I-70      AG  1492.  1733.  1119.  1704.   1770. 7.9   0  56   35.
  1
WB        I-70      AG  1119.  1704.   785.  1736.   1770. 7.9   0  56   35.
  1
WB        I-70      AG   785.  1736.   526.  1788.   1770. 7.9   0  56   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S2 Security & Forest Park NBAM35 RUN: Site 2 No Build AM 2035
DATE: 09/05/2012 TIME: 16:11:33.19

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	FP ap	356.0	564.0	790.0	729.0	464.	69.	AG	335.	7.8	.0	32.0		
2. EB	FP ap	790.0	729.0	886.0	791.0	114.	57.	AG	335.	7.8	.0	32.0		
3. EB	FP ap	886.0	791.0	1232.0	1062.0	439.	52.	AG	335.	7.8	.0	44.0		
4. EB	FP ap	1201.0	1037.0	1122.3	976.1	100.	232.	AG	164.	100.0	.0	24.0	.37	5.1
5. EB	FP dep1	1232.0	1062.0	1296.0	1102.0	75.	58.	AG	60.	7.8	.0	32.0		
6. EB	FP dep1	1296.0	1102.0	1370.0	1132.0	80.	68.	AG	60.	7.8	.0	32.0		
7. EB	FP dep1	1370.0	1132.0	1471.0	1144.0	102.	83.	AG	60.	7.8	.0	32.0		
8. EB	FP dep2	1471.0	1144.0	1588.0	1161.0	118.	82.	AG	260.	7.8	.0	32.0		
9. EB	FP dep2	1588.0	1161.0	1685.0	1199.0	104.	69.	AG	260.	7.8	.0	32.0		
10. EB	FP dep2	1685.0	1199.0	1748.0	1253.0	83.	49.	AG	260.	7.8	.0	32.0		
11. EB	FP dep2	1748.0	1253.0	1798.0	1335.0	96.	31.	AG	260.	7.8	.0	32.0		
12. EB	FP dep2	1798.0	1335.0	1869.0	1566.0	242.	17.	AG	260.	7.8	.0	32.0		
13. EB	FP dep2	1869.0	1566.0	1902.0	1635.0	76.	26.	AG	260.	7.8	.0	32.0		
14. EB	FP dep2	1902.0	1635.0	1977.0	1717.0	111.	42.	AG	260.	7.8	.0	32.0		
15. WB	FP dep	1219.0	1078.0	886.0	815.0	424.	232.	AG	185.	7.8	.0	32.0		
16. WB	FP dep	886.0	815.0	770.0	742.0	137.	238.	AG	185.	7.8	.0	32.0		
17. WB	FP dep	770.0	742.0	348.0	584.0	451.	249.	AG	185.	7.8	.0	32.0		
18. NB	Sec ap	2027.0	477.0	1879.0	611.0	200.	312.	AG	905.	8.1	.0	32.0		
19. NB	Sec ap	1879.0	611.0	1765.0	694.0	141.	306.	AG	905.	8.1	.0	32.0		
20. NB	Sec ap	1765.0	694.0	1384.0	954.0	461.	304.	AG	905.	8.1	.0	32.0		
21. NB	Sec th+lt	1384.0	954.0	1250.0	1060.0	171.	308.	AG	705.	8.1	.0	44.0		
22. NB	Sec th+lt	1254.0	1057.0	1315.9	1008.1	79.	128.	AG	62.	100.0	.0	24.0	.43	4.0
23. NB	Sec right	1384.0	954.0	1355.0	1026.0	78.	338.	AG	200.	8.1	.0	32.0		
24. NB	Sec right	1355.0	1026.0	1365.0	1082.0	57.	10.	AG	200.	8.1	.0	32.0		
25. NB	Sec right	1365.0	1082.0	1405.0	1127.0	60.	42.	AG	200.	8.1	.0	32.0		
26. NB	Sec right	1405.0	1127.0	1471.0	1144.0	68.	76.	AG	200.	8.1	.0	32.0		
27. NB	Sec dep1	1250.0	1060.0	1200.0	1133.0	88.	326.	AG	880.	8.1	.0	44.0		
28. NB	Sec dep1	1200.0	1133.0	1159.0	1231.0	106.	337.	AG	880.	8.1	.0	44.0		
29. NB	Sec dep1	1159.0	1231.0	1152.0	1332.0	101.	356.	AG	880.	8.1	.0	44.0		
30. NB	Sec dep1	1152.0	1332.0	1181.0	1520.0	190.	9.	AG	880.	8.1	.0	44.0		
31. NB	Sec dep1	1181.0	1520.0	1200.0	1700.0	181.	6.	AG	880.	8.1	.0	44.0		
32. NB	Sec dep2	1200.0	1700.0	1171.0	1855.0	158.	349.	AG	2380.	8.1	.0	56.0		
33. NB	Sec dep2	1171.0	1855.0	1107.0	2059.0	214.	343.	AG	2380.	8.1	.0	56.0		
34. SB	Sec ap1	1072.0	2056.0	1133.0	1837.0	227.	164.	AG	975.	8.1	.0	44.0		
35. SB	Sec ap1	1133.0	1837.0	1161.0	1681.0	158.	170.	AG	975.	8.1	.0	56.0		
36. SB	Sec ap1	1161.0	1681.0	1144.0	1496.0	186.	185.	AG	975.	8.1	.0	56.0		
37. SB	Sec ap1	1144.0	1496.0	1126.0	1364.0	133.	188.	AG	975.	8.1	.0	56.0		
38. SB	Sec ap2	1126.0	1364.0	1123.0	1294.0	70.	182.	AG	965.	8.1	.0	44.0		
39. SB	Sec ap2	1123.0	1294.0	1133.0	1221.0	74.	172.	AG	965.	8.1	.0	44.0		
40. SB	Sec ap2	1133.0	1221.0	1151.0	1166.0	58.	162.	AG	965.	8.1	.0	44.0		
41. SB	Sec ap2	1151.0	1166.0	1198.0	1073.0	104.	153.	AG	965.	8.1	.0	44.0		
42. SB	Sec ap	1185.0	1099.0	1136.7	1195.7	108.	333.	AG	62.	100.0	.0	24.0	.37	5.5
43. SB	Sec dep	1198.0	1073.0	1295.0	992.0	126.	130.	AG	880.	8.1	.0	32.0		
44. SB	Sec dep	1295.0	992.0	1425.0	903.0	158.	124.	AG	880.	8.1	.0	32.0		

JOB: S2 Security & Forest Park NBAM35 RUN: Site 2 No Build AM 2035
DATE: 09/05/2012 TIME: 16:11:33.19

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	Sec dep	1425.0	903.0	1755.0	677.0	400.	124.	AG	880.	8.1	.0	32.0		
46. SB	Sec dep	1755.0	677.0	1881.0	586.0	155.	126.	AG	880.	8.1	.0	32.0		
47. SB	Sec dep	1881.0	586.0	2016.0	465.0	181.	132.	AG	880.	8.1	.0	32.0		
48. EB	I-70 off	1119.0	1641.0	1331.0	1620.0	213.	96.	AG	1500.	7.8	.0	32.0		
49. EB	I-70 off	1331.0	1620.0	1471.0	1619.0	140.	90.	AG	1500.	7.8	.0	32.0		
50. EB	I-70 off	1471.0	1619.0	1552.0	1582.0	89.	115.	AG	1500.	7.8	.0	32.0		
51. EB	I-70 off	1552.0	1582.0	1621.0	1509.0	100.	137.	AG	1500.	7.8	.0	32.0		
52. EB	I-70 off	1621.0	1509.0	1650.0	1413.0	100.	163.	AG	1500.	7.8	.0	32.0		
53. EB	I-70 off	1650.0	1413.0	1640.0	1326.0	88.	187.	AG	1500.	7.8	.0	32.0		
54. EB	I-70 off	1640.0	1326.0	1590.0	1245.0	95.	212.	AG	1500.	7.8	.0	32.0		
55. EB	I-70 off	1590.0	1245.0	1507.0	1192.0	98.	237.	AG	1500.	7.8	.0	32.0		
56. EB	I-70 off	1507.0	1192.0	1416.0	1177.0	92.	261.	AG	1500.	7.8	.0	32.0		
57. EB	I-70 off	1416.0	1177.0	1322.0	1201.0	97.	284.	AG	1500.	7.8	.0	32.0		
58. EB	I-70 off	1322.0	1201.0	1235.0	1267.0	109.	307.	AG	1500.	7.8	.0	32.0		
59. EB	I-70 off	1235.0	1267.0	1196.0	1356.0	97.	336.	AG	1500.	7.8	.0	32.0		
60. EB	I-70 off	1196.0	1356.0	1208.0	1571.0	215.	3.	AG	1500.	7.8	.0	32.0		
61. EB	I-70 off	1208.0	1571.0	1200.0	1700.0	129.	356.	AG	1500.	7.8	.0	32.0		
62. SB	I-70 on	1144.0	1496.0	1101.0	1361.0	142.	198.	AG	10.	7.8	.0	32.0		
63. SB	I-70 on	1101.0	1361.0	1053.0	1284.0	91.	212.	AG	10.	7.8	.0	32.0		
64. SB	I-70 on	1053.0	1284.0	971.0	1226.0	100.	235.	AG	10.	7.8	.0	32.0		
65. SB	I-70 on	971.0	1226.0	871.0	1199.0	104.	255.	AG	10.	7.8	.0	32.0		

66. SB	I-70 on	*	871.0	1199.0	761.0	1207.0	*	110.	274.	AG	10.	7.8	.0	32.0
67. SB	I-70 on	*	761.0	1207.0	538.0	1276.0	*	233.	287.	AG	10.	7.8	.0	32.0
68. SB	I-70 on	*	538.0	1276.0	464.0	1321.0	*	87.	301.	AG	10.	7.8	.0	32.0
69. SB	I-70 on	*	464.0	1321.0	418.0	1395.0	*	87.	328.	AG	10.	7.8	.0	32.0
70. SB	I-70 on	*	418.0	1395.0	412.0	1486.0	*	91.	356.	AG	10.	7.8	.0	32.0
71. SB	I-70 on	*	412.0	1486.0	455.0	1579.0	*	102.	25.	AG	10.	7.8	.0	32.0
72. SB	I-70 on	*	455.0	1579.0	526.0	1636.0	*	91.	51.	AG	10.	7.8	.0	32.0
73. SB	I-70 on	*	526.0	1636.0	595.0	1664.0	*	74.	68.	AG	10.	7.8	.0	32.0
74. SB	I-70 on	*	595.0	1664.0	862.0	1664.0	*	267.	90.	AG	10.	7.8	.0	32.0
75. EB	I-70 ap1	*	490.0	1746.0	862.0	1664.0	*	381.	102.	AG	2120.	7.9	.0	56.0
76. EB	I-70 ap2	*	862.0	1664.0	1119.0	1641.0	*	258.	95.	AG	2130.	7.9	.0	56.0
77. EB	I-70 ap3	*	1119.0	1641.0	1485.0	1676.0	*	368.	85.	AG	630.	7.9	.0	56.0
78. EB	I-70 ap3	*	1485.0	1676.0	1747.0	1716.0	*	265.	81.	AG	630.	7.9	.0	56.0
79. EB	I-70 ap3	*	1747.0	1716.0	1947.0	1761.0	*	205.	77.	AG	630.	7.9	.0	56.0
80. WB	I-70	*	1894.0	1811.0	1492.0	1733.0	*	409.	259.	AG	1770.	7.9	.0	56.0
81. WB	I-70	*	1492.0	1733.0	1119.0	1704.0	*	374.	266.	AG	1770.	7.9	.0	56.0
82. WB	I-70	*	1119.0	1704.0	785.0	1736.0	*	336.	275.	AG	1770.	7.9	.0	56.0
83. WB	I-70	*	785.0	1736.0	526.0	1788.0	*	264.	281.	AG	1770.	7.9	.0	56.0

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JOB: S2 Security & Forest Park NBAM35 RUN: Site 2 No Build AM 2035
DATE: 09/05/2012 TIME: 16:11:33.19

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB	FP ap	150	109	2.0	335	1822	42.10	1	3
22. NB	Sec th+lt	150	41	2.0	705	1184	42.10	1	3
42. SB	Sec ap	150	41	2.0	965	1859	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1762.0	722.0	5.0
2. SE 164 S	1477.0	913.0	5.0
3. SE 82 S	1412.0	962.0	5.0
4. SE CNR	1380.0	1054.0	5.0
5. SE 82 E	1456.0	1117.0	5.0
6. SE 164 E	1539.0	1123.0	5.0
7. SE MID E	1802.0	1280.0	5.0
8. NW 164 N	1105.0	1238.0	5.0
9. NW 82 N	1130.0	1158.0	5.0
10. NW CNR	1162.0	1081.0	5.0
11. NW 82 W	1110.0	1019.0	5.0
12. NW 164 W	1045.0	969.0	5.0
13. NW MID W	852.0	824.0	5.0
14. SW MID W	883.0	763.0	5.0
15. SW 164 W	1090.0	922.0	5.0
16. SW 82 W	1153.0	975.0	5.0
17. SW CNR	1221.0	1022.0	5.0
18. SW 82 S	1286.0	973.0	5.0
19. SW 164 S	1355.0	925.0	5.0
20. SW MID S	1701.0	691.0	5.0

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JOB: S2 Security & Forest Park NBAM35 RUN: Site 2 No Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.0	.0	.1	.2	.3	.1	.4	.7	.7	.0	.0	.0	.1	.1	.7	.5	.4	.4	.5
5.	.0	.0	.0	.1	.2	.3	.0	.5	.7	.7	.0	.0	.0	.2	.1	.8	.4	.4	.3	.4
10.	.0	.0	.0	.1	.2	.4	.0	.7	.8	.8	.0	.0	.0	.1	.2	.8	.5	.5	.3	.4
15.	.0	.0	.0	.2	.2	.3	.0	.8	1.1	.7	.1	.0	.0	.1	.2	.8	.5	.5	.3	.4
20.	.0	.0	.0	.2	.3	.3	.0	.8	1.0	.6	.3	.0	.0	.1	.2	.9	.5	.4	.3	.4
25.	.0	.0	.0	.1	.2	.3	.0	.7	.8	.6	.3	.0	.0	.1	.3	.9	.5	.4	.3	.4
30.	.0	.0	.0	.1	.2	.3	.0	.7	.7	.6	.3	.0	.0	.1	.3	.8	.3	.4	.3	.4
35.	.0	.0	.0	.1	.2	.3	.0	.7	.6	.6	.1	.0	.0	.1	.3	.8	.4	.5	.4	.5
40.	.0	.0	.0	.2	.3	.2	.0	.5	.6	.6	.1	.0	.0	.1	.3	.7	.5	.5	.4	.4
45.	.0	.0	.0	.2	.3	.0	.0	.6	.7	.5	.2	.0	.0	.1	.3	.5	.6	.3	.4	.4
50.	.0	.0	.0	.1	.2	.0	.0	.5	.6	.5	.2	.1	.0	.1	.3	.5	.4	.3	.4	.4
55.	.0	.0	.0	.0	.2	.0	.0	.5	.7	.4	.2	.1	.0	.1	.3	.4	.4	.3	.3	.4
60.	.0	.0	.0	.0	.2	.0	.0	.5	.7	.5	.2	.2	.1	.1	.2	.4	.4	.3	.3	.4
65.	.0	.0	.0	.0	.1	.0	.0	.4	.7	.4	.4	.4	.1	.1	.1	.4	.4	.3	.3	.4
70.	.0	.0	.0	.0	.1	.0	.0	.4	.6	.3	.4	.4	.2	.0	.0	.2	.4	.3	.4	.5
75.	.0	.0	.0	.0	.0	.0	.0	.6	.7	.3	.5	.4	.1	.0	.0	.2	.4	.4	.5	.4
80.	.0	.0	.0	.0	.0	.0	.0	.6	.8	.3	.5	.4	.1	.0	.0	.2	.4	.4	.5	.5
85.	.0	.0	.0	.0	.0	.0	.0	.5	.7	.4	.7	.4	.1	.0	.0	.1	.4	.4	.5	.5
90.	.0	.0	.0	.0	.0	.0	.0	.6	.5	.4	.7	.3	.1	.0	.0	.2	.4	.5	.5	.6

95. *	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.7	.3	.1	.0	.0	.1	.4	.5	.5	.6
100. *	.0	.1	.0	.0	.0	.0	.0	.6	.6	.5	.6	.3	.1	.0	.0	.2	.5	.5	.5	.5
105. *	.0	.1	.1	.0	.0	.0	.0	.6	.6	.4	.6	.1	.1	.0	.0	.2	.6	.6	.5	.4
110. *	.1	.1	.1	.0	.0	.0	.0	.4	.7	.6	.5	.1	.1	.0	.0	.2	.5	.6	.6	.4
115. *	.1	.3	.2	.0	.0	.0	.0	.4	.7	.5	.5	.1	.1	.0	.0	.1	.6	.5	.6	.5
120. *	.1	.4	.3	.0	.0	.0	.0	.4	.7	.6	.4	.1	.0	.0	.0	.0	.5	.4	.5	.5
125. *	.4	.4	.4	.1	.0	.0	.0	.3	.8	.7	.4	.1	.0	.0	.0	.0	.4	.4	.3	.3
130. *	.4	.6	.4	.1	.0	.0	.0	.6	.8	.7	.4	.1	.0	.0	.0	.0	.4	.3	.3	.2
135. *	.5	.6	.5	.2	.0	.0	.0	.6	.7	.4	.4	.1	.0	.0	.0	.0	.2	.2	.2	.2
140. *	.6	.6	.5	.2	.0	.0	.0	.6	.6	.4	.4	.1	.0	.0	.0	.0	.0	.1	.1	.1
145. *	.5	.6	.5	.2	.0	.0	.0	.6	.6	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0
150. *	.5	.6	.5	.2	.1	.0	.0	.6	.5	.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0
155. *	.5	.5	.5	.2	.2	.0	.0	.5	.4	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
160. *	.5	.5	.5	.2	.2	.0	.0	.5	.3	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
165. *	.5	.5	.5	.2	.2	.1	.0	.5	.2	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
170. *	.3	.5	.5	.2	.2	.1	.0	.2	.2	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
175. *	.3	.5	.5	.2	.1	.1	.0	.2	.2	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
180. *	.5	.5	.3	.3	.1	.1	.0	.0	.1	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
185. *	.5	.5	.3	.2	.1	.1	.0	.0	.1	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
190. *	.5	.4	.3	.2	.1	.1	.0	.0	.1	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
195. *	.4	.4	.4	.2	.0	.1	.0	.0	.0	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
200. *	.3	.4	.4	.2	.0	.1	.0	.0	.0	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
205. *	.3	.5	.4	.2	.0	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0

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JOB: S2 Security & Forest Park NBAM35 RUN: Site 2 No Build AM 2035

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.3	.5	.4	.2	.1	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
215. *	.3	.5	.4	.2	.0	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	.1	.0	.0	.0	.0
220. *	.4	.5	.4	.2	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.1	.1	.2	.0	.0	.0
225. *	.4	.4	.4	.2	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.1	.1	.2	.0	.0	.0
230. *	.4	.4	.4	.2	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.1	.3	.0	.0	.0
235. *	.4	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.0	.0	.0
240. *	.4	.3	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.4	.0	.0	.0
245. *	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.5	.0	.0	.0
250. *	.5	.5	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.3	.5	.0	.0	.0
255. *	.5	.5	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.6	.0	.0	.0
260. *	.5	.5	.4	.5	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.1	.3	.6	.1	.0	.0
265. *	.5	.5	.4	.5	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	.1	.4	.6	.1	.0	.0
270. *	.5	.5	.5	.5	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	.1	.4	.6	.1	.0	.0
275. *	.5	.5	.5	.3	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	.1	.5	.6	.1	.0	.0
280. *	.5	.4	.5	.2	.0	.1	.2	.0	.0	.0	.0	.0	.0	.1	.1	.5	.5	.1	.1	.1
285. *	.6	.6	.6	.2	.1	.2	.2	.0	.0	.0	.0	.0	.0	.1	.1	.5	.5	.1	.1	.1
290. *	.6	.5	.5	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.1	.1	.5	.5	.1	.1	.1
295. *	.5	.5	.4	.1	.3	.2	.2	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.2	.2	.3
300. *	.4	.4	.3	.1	.3	.3	.2	.0	.0	.0	.0	.0	.0	.1	.1	.6	.4	.2	.3	.3
305. *	.4	.4	.2	.0	.3	.3	.2	.0	.0	.0	.0	.0	.0	.1	.1	.6	.4	.2	.3	.4
310. *	.3	.3	.1	.0	.4	.3	.3	.1	.0	.0	.0	.0	.0	.1	.1	.6	.4	.3	.4	.5
315. *	.1	.2	.1	.0	.5	.2	.3	.1	.1	.0	.0	.0	.0	.1	.1	.6	.5	.4	.4	.6
320. *	.1	.1	.1	.1	.3	.2	.2	.1	.1	.0	.0	.0	.0	.1	.1	.6	.4	.4	.4	.6
325. *	.1	.1	.1	.1	.3	.2	.1	.1	.2	.1	.0	.0	.0	.1	.1	.6	.5	.6	.5	.6
330. *	.0	.0	.0	.1	.2	.3	.1	.1	.1	.1	.0	.0	.0	.1	.1	.6	.5	.6	.6	.5
335. *	.0	.0	.0	.2	.3	.3	.1	.2	.1	.2	.0	.0	.0	.1	.1	.6	.7	.6	.5	.5
340. *	.0	.0	.0	.2	.4	.3	.1	.2	.3	.4	.0	.0	.0	.1	.1	.6	.7	.6	.5	.5
345. *	.0	.0	.0	.1	.3	.3	.1	.3	.4	.4	.0	.0	.0	.1	.1	.6	.7	.6	.5	.5
350. *	.0	.0	.1	.1	.3	.2	.1	.4	.5	.5	.0	.0	.0	.1	.1	.6	.6	.4	.5	.5
355. *	.0	.0	.0	.1	.3	.2	.1	.4	.5	.5	.0	.0	.0	.1	.1	.7	.6	.4	.5	.5
360. *	.0	.0	.0	.1	.2	.3	.1	.4	.7	.7	.0	.0	.0	.1	.1	.7	.5	.4	.4	.5
MAX *	.6	.6	.6	.5	.5	.4	.3	.8	1.1	.8	.7	.4	.2	.2	.3	.9	.7	.6	.6	.6
DEGR. *	140	130	285	245	315	10	310	15	15	10	85	65	70	5	25	20	335	105	110	90

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 15 DEGREES FROM REC9 .
THE 2ND HIGHEST CONCENTRATION IS .90 PPM AT 20 DEGREES FROM REC16.
THE 3RD HIGHEST CONCENTRATION IS .80 PPM AT 15 DEGREES FROM REC8 .

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S2 Security & Forest Park NBPM21        60.0321.0.0000.000200.30480000    1    1
SE MID S                 1762.      722.       5.0
SE 164 S                 1477.      913.       5.0
SE 82 S                  1412.      962.       5.0
SE CNR                   1380.     1054.       5.0
SE 82 E                  1456.     1117.       5.0
SE 164 E                 1539.     1123.       5.0
SE MID E                 1802.     1280.       5.0
NW 164 N                 1105.     1238.       5.0
NW 82 N                  1130.     1158.       5.0
NW CNR                   1162.     1081.       5.0
NW 82 W                  1110.     1019.       5.0
NW 164 W                 1045.      969.       5.0
NW MID W                  852.      824.       5.0
SW MID W                  883.      763.       5.0
SW 164 W                 1090.      922.       5.0
SW 82 W                  1153.      975.       5.0
SW CNR                   1221.     1022.       5.0
SW 82 S                  1286.      973.       5.0
SW 164 S                 1355.      925.       5.0
SW MID S                 1701.      691.       5.0
Site 2 No Build PM 2021                  83  1   0
  1
EB        FP ap     AG   356.   564.   790.   729.    320. 8.1   0  32   30.
  1
EB        FP ap     AG   790.   729.   886.   791.    320. 8.1   0  32   30.
  1
EB        FP ap     AG   886.   791.  1232.  1062.    320. 8.1   0  44   30.
  2
EB        FP ap     AG  1201.  1037.  1077.   941.      0.  24   2
       150       122       2.0  320   43.6 1818 1 3
  1
EB        FP dep1   AG  1232.  1062.  1296.  1102.     35. 8.1   0  32   30.
  1
EB        FP dep1   AG  1296.  1102.  1370.  1132.     35. 8.1   0  32   30.
  1
EB        FP dep1   AG  1370.  1132.  1471.  1144.     35. 8.1   0  32   30.
  1
EB        FP dep2   AG  1471.  1144.  1588.  1161.    350. 8.1   0  32   30.
  1
EB        FP dep2   AG  1588.  1161.  1685.  1199.    350. 8.1   0  32   30.
  1
EB        FP dep2   AG  1685.  1199.  1748.  1253.    350. 8.1   0  32   30.
  1
EB        FP dep2   AG  1748.  1253.  1798.  1335.    350. 8.1   0  32   30.
  1
EB        FP dep2   AG  1798.  1335.  1869.  1566.    350. 8.1   0  32   30.
  1
EB        FP dep2   AG  1869.  1566.  1902.  1635.    350. 8.1   0  32   30.
  1
EB        FP dep2   AG  1902.  1635.  1977.  1717.    350. 8.1   0  32   30.
  1
WB        FP dep    AG  1219.  1078.   886.   815.    305. 8.1   0  32   30.
  1
WB        FP dep    AG   886.   815.   770.   742.    305. 8.1   0  32   30.
  1
WB        FP dep    AG   770.   742.   348.   584.    305. 8.1   0  32   30.
  1
NB        Sec ap    AG  2027.   477.  1879.   611.   1155. 8.3   0  32   40.
  1
NB        Sec ap    AG  1879.   611.  1765.   694.   1155. 8.3   0  32   40.
  1
NB        Sec ap    AG  1765.   694.  1384.   954.   1155. 8.3   0  32   40.
  1
NB        Sec th+lt AG  1384.   954.  1250.  1060.    840. 8.3   0  44   40.
  2
NB        Sec th+lt AG  1254.  1057.  1373.   963.      0.  24   2
       150        37       2.0  840   43.6 1262 1 3
  1
NB        Sec right AG  1384.   954.  1355.  1026.    315. 8.3   0  32   40.
  1
NB        Sec right AG  1355.  1026.  1365.  1082.    315. 8.3   0  32   40.
  1
NB        Sec right AG  1365.  1082.  1405.  1127.    315. 8.3   0  32   40.
  1
NB        Sec right AG  1405.  1127.  1471.  1144.    315. 8.3   0  32   40.
  1
NB        Sec dep1  AG  1250.  1060.  1200.  1133.   1035. 8.3   0  44   40.
  1
NB        Sec dep1  AG  1200.  1133.  1159.  1231.   1035. 8.3   0  44   40.
  1
```

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NB        Sec dep1  AG  1159.  1231.  1152.  1332.   1035. 8.3   0  44   40.
  1
NB        Sec dep1  AG  1152.  1332.  1181.  1520.   1035. 8.3   0  44   40.
  1
NB        Sec dep1  AG  1181.  1520.  1200.  1700.   1035. 8.3   0  44   40.
  1
NB        Sec dep2  AG  1200.  1700.  1171.  1855.   1740. 8.3   0  56   40.
  1
NB        Sec dep2  AG  1171.  1855.  1107.  2059.   1740. 8.3   0  56   40.
  1
SB        Sec ap1   AG  1072.  2056.  1133.  1837.    980. 8.3   0  44   40.
  1
SB        Sec ap1   AG  1133.  1837.  1161.  1681.    980. 8.3   0  56   40.
  1
SB        Sec ap1   AG  1161.  1681.  1144.  1496.    980. 8.3   0  56   40.
  1
SB        Sec ap1   AG  1144.  1496.  1126.  1364.    980. 8.3   0  56   40.
  1
SB        Sec ap2   AG  1126.  1364.  1123.  1294.    965. 8.3   0  44   40.
  1
SB        Sec ap2   AG  1123.  1294.  1133.  1221.    965. 8.3   0  44   40.
  1
SB        Sec ap2   AG  1133.  1221.  1151.  1166.    965. 8.3   0  44   40.
  1
SB        Sec ap2   AG  1151.  1166.  1198.  1073.    965. 8.3   0  44   40.
  2
SB        Sec ap    AG  1185.  1099.  1154.  1161.      0.  24   2
       150        37       2.0  965   43.6 1859 1 3
  1
SB        Sec dep   AG  1198.  1073.  1295.   992.    750. 8.3   0  32   40.
  1
SB        Sec dep   AG  1295.   992.  1425.   903.    750. 8.3   0  32   40.
  1
SB        Sec dep   AG  1425.   903.  1755.   677.    750. 8.3   0  32   40.
  1
SB        Sec dep   AG  1755.   677.  1881.   586.    750. 8.3   0  32   40.
  1
SB        Sec dep   AG  1881.   586.  2016.   465.    750. 8.3   0  32   40.
  1
EB        I-70 off  AG  1119.  1641.  1331.  1620.    705. 8.1   0  32   30.
  1
EB        I-70 off  AG  1331.  1620.  1471.  1619.    705. 8.1   0  32   30.
  1
EB        I-70 off  AG  1471.  1619.  1552.  1582.    705. 8.1   0  32   30.
  1
EB        I-70 off  AG  1552.  1582.  1621.  1509.    705. 8.1   0  32   30.
  1
EB        I-70 off  AG  1621.  1509.  1650.  1413.    705. 8.1   0  32   30.
  1
EB        I-70 off  AG  1650.  1413.  1640.  1326.    705. 8.1   0  32   30.
  1
EB        I-70 off  AG  1640.  1326.  1590.  1245.    705. 8.1   0  32   30.
  1
EB        I-70 off  AG  1590.  1245.  1507.  1192.    705. 8.1   0  32   30.
  1
EB        I-70 off  AG  1507.  1192.  1416.  1177.    705. 8.1   0  32   30.
  1
EB        I-70 off  AG  1416.  1177.  1322.  1201.    705. 8.1   0  32   30.
  1
EB        I-70 off  AG  1322.  1201.  1235.  1267.    705. 8.1   0  32   30.
  1
EB        I-70 off  AG  1235.  1267.  1196.  1356.    705. 8.1   0  32   30.
  1
EB        I-70 off  AG  1196.  1356.  1208.  1571.    705. 8.1   0  32   30.
  1
EB        I-70 off  AG  1208.  1571.  1200.  1700.    705. 8.1   0  32   30.
  1
SB        I-70 on   AG  1144.  1496.  1101.  1361.     15. 8.1   0  32   30.
  1
SB        I-70 on   AG  1101.  1361.  1053.  1284.     15. 8.1   0  32   30.
  1
SB        I-70 on   AG  1053.  1284.   971.  1226.     15. 8.1   0  32   30.
  1
SB        I-70 on   AG   971.  1226.   871.  1199.     15. 8.1   0  32   30.
  1
SB        I-70 on   AG   871.  1199.   761.  1207.     15. 8.1   0  32   30.
  1
SB        I-70 on   AG   761.  1207.   538.  1276.     15. 8.1   0  32   30.
  1
SB        I-70 on   AG   538.  1276.   464.  1321.     15. 8.1   0  32   30.
  1
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SB        I-70 on   AG   464.  1321.   418.  1395.     15. 8.1   0  32   30.
  1
SB        I-70 on   AG   418.  1395.   412.  1486.     15. 8.1   0  32   30.
  1
SB        I-70 on   AG   412.  1486.   455.  1579.     15. 8.1   0  32   30.
  1
SB        I-70 on   AG   455.  1579.   526.  1636.     15. 8.1   0  32   30.
  1
SB        I-70 on   AG   526.  1636.   595.  1664.     15. 8.1   0  32   30.
  1
SB        I-70 on   AG   595.  1664.   862.  1664.     15. 8.1   0  32   30.
  1
EB        I-70 ap1  AG   490.  1746.   862.  1664.   1710. 8.1   0  56   35.
  1
EB        I-70 ap2  AG   862.  1664.  1119.  1641.   1725. 8.1   0  56   35.
  1
EB        I-70 ap3  AG  1119.  1641.  1485.  1676.   1020. 8.1   0  56   35.
  1
EB        I-70 ap3  AG  1485.  1676.  1747.  1716.   1020. 8.1   0  56   35.
  1
EB        I-70 ap3  AG  1747.  1716.  1947.  1761.   1020. 8.1   0  56   35.
  1
WB        I-70      AG  1894.  1811.  1492.  1733.   2210. 8.1   0  56   35.
  1
WB        I-70      AG  1492.  1733.  1119.  1704.   2210. 8.1   0  56   35.
  1
WB        I-70      AG  1119.  1704.   785.  1736.   2210. 8.1   0  56   35.
  1
WB        I-70      AG   785.  1736.   526.  1788.   2210. 8.1   0  56   35.
1.0   04  1000   0Y  5  0 72
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JOB: S2 Security & Forest Park NBPM21 RUN: Site 2 No Build PM 2021
DATE: 09/05/2012 TIME: 16:36:20.74

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	FP ap	356.0	564.0	790.0	729.0	464.	69.	AG	320.	8.1	.0	32.0		
2. EB	FP ap	790.0	729.0	886.0	791.0	114.	57.	AG	320.	8.1	.0	32.0		
3. EB	FP ap	886.0	791.0	1232.0	1062.0	439.	52.	AG	320.	8.1	.0	44.0		
4. EB	FP ap	1201.0	1037.0	1116.6	971.7	107.	232.	AG	190.	100.0	.0	24.0	.55	5.4
5. EB	FP dep1	1232.0	1062.0	1296.0	1102.0	75.	58.	AG	35.	8.1	.0	32.0		
6. EB	FP dep1	1296.0	1102.0	1370.0	1132.0	80.	68.	AG	35.	8.1	.0	32.0		
7. EB	FP dep1	1370.0	1132.0	1471.0	1144.0	102.	83.	AG	35.	8.1	.0	32.0		
8. EB	FP dep2	1471.0	1144.0	1588.0	1161.0	118.	82.	AG	350.	8.1	.0	32.0		
9. EB	FP dep2	1588.0	1161.0	1685.0	1199.0	104.	69.	AG	350.	8.1	.0	32.0		
10. EB	FP dep2	1685.0	1199.0	1748.0	1253.0	83.	49.	AG	350.	8.1	.0	32.0		
11. EB	FP dep2	1748.0	1253.0	1798.0	1335.0	96.	31.	AG	350.	8.1	.0	32.0		
12. EB	FP dep2	1798.0	1335.0	1869.0	1566.0	242.	17.	AG	350.	8.1	.0	32.0		
13. EB	FP dep2	1869.0	1566.0	1902.0	1635.0	76.	26.	AG	350.	8.1	.0	32.0		
14. EB	FP dep2	1902.0	1635.0	1977.0	1717.0	111.	42.	AG	350.	8.1	.0	32.0		
15. WB	FP dep	1219.0	1078.0	886.0	815.0	424.	232.	AG	305.	8.1	.0	32.0		
16. WB	FP dep	886.0	815.0	770.0	742.0	137.	238.	AG	305.	8.1	.0	32.0		
17. WB	FP dep	770.0	742.0	348.0	584.0	451.	249.	AG	305.	8.1	.0	32.0		
18. NB	Sec ap	2027.0	477.0	1879.0	611.0	200.	312.	AG	1155.	8.3	.0	32.0		
19. NB	Sec ap	1879.0	611.0	1765.0	694.0	141.	306.	AG	1155.	8.3	.0	32.0		
20. NB	Sec ap	1765.0	694.0	1384.0	954.0	461.	304.	AG	1155.	8.3	.0	32.0		
21. NB	Sec th+lt	1384.0	954.0	1250.0	1060.0	171.	308.	AG	840.	8.3	.0	44.0		
22. NB	Sec th+lt	1254.0	1057.0	1320.7	1004.3	85.	128.	AG	58.	100.0	.0	24.0	.46	4.3
23. NB	Sec right	1384.0	954.0	1355.0	1026.0	78.	338.	AG	315.	8.3	.0	32.0		
24. NB	Sec right	1355.0	1026.0	1365.0	1082.0	57.	10.	AG	315.	8.3	.0	32.0		
25. NB	Sec right	1365.0	1082.0	1405.0	1127.0	60.	42.	AG	315.	8.3	.0	32.0		
26. NB	Sec right	1405.0	1127.0	1471.0	1144.0	68.	76.	AG	315.	8.3	.0	32.0		
27. NB	Sec dep1	1250.0	1060.0	1200.0	1133.0	88.	326.	AG	1035.	8.3	.0	44.0		
28. NB	Sec dep1	1200.0	1133.0	1159.0	1231.0	106.	337.	AG	1035.	8.3	.0	44.0		
29. NB	Sec dep1	1159.0	1231.0	1152.0	1332.0	101.	356.	AG	1035.	8.3	.0	44.0		
30. NB	Sec dep1	1152.0	1332.0	1181.0	1520.0	190.	9.	AG	1035.	8.3	.0	44.0		
31. NB	Sec dep1	1181.0	1520.0	1200.0	1700.0	181.	6.	AG	1035.	8.3	.0	44.0		
32. NB	Sec dep2	1200.0	1700.0	1171.0	1855.0	158.	349.	AG	1740.	8.3	.0	56.0		
33. NB	Sec dep2	1171.0	1855.0	1107.0	2059.0	214.	343.	AG	1740.	8.3	.0	56.0		
34. SB	Sec ap1	1072.0	2056.0	1133.0	1837.0	227.	164.	AG	980.	8.3	.0	44.0		
35. SB	Sec ap1	1133.0	1837.0	1161.0	1681.0	158.	170.	AG	980.	8.3	.0	56.0		
36. SB	Sec ap1	1161.0	1681.0	1144.0	1496.0	186.	185.	AG	980.	8.3	.0	56.0		
37. SB	Sec ap1	1144.0	1496.0	1126.0	1364.0	133.	188.	AG	980.	8.3	.0	56.0		
38. SB	Sec ap2	1126.0	1364.0	1123.0	1294.0	70.	182.	AG	965.	8.3	.0	44.0		
39. SB	Sec ap2	1123.0	1294.0	1133.0	1221.0	74.	172.	AG	965.	8.3	.0	44.0		
40. SB	Sec ap2	1133.0	1221.0	1151.0	1166.0	58.	162.	AG	965.	8.3	.0	44.0		
41. SB	Sec ap2	1151.0	1166.0	1198.0	1073.0	104.	153.	AG	965.	8.3	.0	44.0		
42. SB	Sec ap	1185.0	1099.0	1141.4	1186.2	98.	333.	AG	58.	100.0	.0	24.0	.36	5.0
43. SB	Sec dep	1198.0	1073.0	1295.0	992.0	126.	130.	AG	750.	8.3	.0	32.0		
44. SB	Sec dep	1295.0	992.0	1425.0	903.0	158.	124.	AG	750.	8.3	.0	32.0		

JOB: S2 Security & Forest Park NBPM21 RUN: Site 2 No Build PM 2021
DATE: 09/05/2012 TIME: 16:36:20.74

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	Sec dep	1425.0	903.0	1755.0	677.0	400.	124.	AG	750.	8.3	.0	32.0		
46. SB	Sec dep	1755.0	677.0	1881.0	586.0	155.	126.	AG	750.	8.3	.0	32.0		
47. SB	Sec dep	1881.0	586.0	2016.0	465.0	181.	132.	AG	750.	8.3	.0	32.0		
48. EB	I-70 off	1119.0	1641.0	1331.0	1620.0	213.	96.	AG	705.	8.1	.0	32.0		
49. EB	I-70 off	1331.0	1620.0	1471.0	1619.0	140.	90.	AG	705.	8.1	.0	32.0		
50. EB	I-70 off	1471.0	1619.0	1552.0	1582.0	89.	115.	AG	705.	8.1	.0	32.0		
51. EB	I-70 off	1552.0	1582.0	1621.0	1509.0	100.	137.	AG	705.	8.1	.0	32.0		
52. EB	I-70 off	1621.0	1509.0	1650.0	1413.0	100.	163.	AG	705.	8.1	.0	32.0		
53. EB	I-70 off	1650.0	1413.0	1640.0	1326.0	88.	187.	AG	705.	8.1	.0	32.0		
54. EB	I-70 off	1640.0	1326.0	1590.0	1245.0	95.	212.	AG	705.	8.1	.0	32.0		
55. EB	I-70 off	1590.0	1245.0	1507.0	1192.0	98.	237.	AG	705.	8.1	.0	32.0		
56. EB	I-70 off	1507.0	1192.0	1416.0	1177.0	92.	261.	AG	705.	8.1	.0	32.0		
57. EB	I-70 off	1416.0	1177.0	1322.0	1201.0	97.	284.	AG	705.	8.1	.0	32.0		
58. EB	I-70 off	1322.0	1201.0	1235.0	1267.0	109.	307.	AG	705.	8.1	.0	32.0		
59. EB	I-70 off	1235.0	1267.0	1196.0	1356.0	97.	336.	AG	705.	8.1	.0	32.0		
60. EB	I-70 off	1196.0	1356.0	1208.0	1571.0	215.	3.	AG	705.	8.1	.0	32.0		
61. EB	I-70 off	1208.0	1571.0	1200.0	1700.0	129.	356.	AG	705.	8.1	.0	32.0		
62. SB	I-70 on	1144.0	1496.0	1101.0	1361.0	142.	198.	AG	15.	8.1	.0	32.0		
63. SB	I-70 on	1101.0	1361.0	1053.0	1284.0	91.	212.	AG	15.	8.1	.0	32.0		
64. SB	I-70 on	1053.0	1284.0	971.0	1226.0	100.	235.	AG	15.	8.1	.0	32.0		
65. SB	I-70 on	971.0	1226.0	871.0	1199.0	104.	255.	AG	15.	8.1	.0	32.0		

66. SB	I-70 on	*	871.0	1199.0	761.0	1207.0	*	110.	274.	AG	15.	8.1	.0	32.0
67. SB	I-70 on	*	761.0	1207.0	538.0	1276.0	*	233.	287.	AG	15.	8.1	.0	32.0
68. SB	I-70 on	*	538.0	1276.0	464.0	1321.0	*	87.	301.	AG	15.	8.1	.0	32.0
69. SB	I-70 on	*	464.0	1321.0	418.0	1395.0	*	87.	328.	AG	15.	8.1	.0	32.0
70. SB	I-70 on	*	418.0	1395.0	412.0	1486.0	*	91.	356.	AG	15.	8.1	.0	32.0
71. SB	I-70 on	*	412.0	1486.0	455.0	1579.0	*	102.	25.	AG	15.	8.1	.0	32.0
72. SB	I-70 on	*	455.0	1579.0	526.0	1636.0	*	91.	51.	AG	15.	8.1	.0	32.0
73. SB	I-70 on	*	526.0	1636.0	595.0	1664.0	*	74.	68.	AG	15.	8.1	.0	32.0
74. SB	I-70 on	*	595.0	1664.0	862.0	1664.0	*	267.	90.	AG	15.	8.1	.0	32.0
75. EB	I-70 ap1	*	490.0	1746.0	862.0	1664.0	*	381.	102.	AG	1710.	8.1	.0	56.0
76. EB	I-70 ap2	*	862.0	1664.0	1119.0	1641.0	*	258.	95.	AG	1725.	8.1	.0	56.0
77. EB	I-70 ap3	*	1119.0	1641.0	1485.0	1676.0	*	368.	85.	AG	1020.	8.1	.0	56.0
78. EB	I-70 ap3	*	1485.0	1676.0	1747.0	1716.0	*	265.	81.	AG	1020.	8.1	.0	56.0
79. EB	I-70 ap3	*	1747.0	1716.0	1947.0	1761.0	*	205.	77.	AG	1020.	8.1	.0	56.0
80. WB	I-70	*	1894.0	1811.0	1492.0	1733.0	*	409.	259.	AG	2210.	8.1	.0	56.0
81. WB	I-70	*	1492.0	1733.0	1119.0	1704.0	*	374.	266.	AG	2210.	8.1	.0	56.0
82. WB	I-70	*	1119.0	1704.0	785.0	1736.0	*	336.	275.	AG	2210.	8.1	.0	56.0
83. WB	I-70	*	785.0	1736.0	526.0	1788.0	*	264.	281.	AG	2210.	8.1	.0	56.0

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JOB: S2 Security & Forest Park NBPM21 RUN: Site 2 No Build PM 2021
DATE: 09/05/2012 TIME: 16:36:20.74

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB	FP ap	150	122	2.0	320	1818	43.60	1	3
22. NB	Sec th+lt	150	37	2.0	840	1262	43.60	1	3
42. SB	Sec ap	150	37	2.0	965	1859	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1762.0	722.0	5.0
2. SE 164 S	1477.0	913.0	5.0
3. SE 82 S	1412.0	962.0	5.0
4. SE CNR	1380.0	1054.0	5.0
5. SE 82 E	1456.0	1117.0	5.0
6. SE 164 E	1539.0	1123.0	5.0
7. SE MID E	1802.0	1280.0	5.0
8. NW 164 N	1105.0	1238.0	5.0
9. NW 82 N	1130.0	1158.0	5.0
10. NW CNR	1162.0	1081.0	5.0
11. NW 82 W	1110.0	1019.0	5.0
12. NW 164 W	1045.0	969.0	5.0
13. NW MID W	852.0	824.0	5.0
14. SW MID W	883.0	763.0	5.0
15. SW 164 W	1090.0	922.0	5.0
16. SW 82 W	1153.0	975.0	5.0
17. SW CNR	1221.0	1022.0	5.0
18. SW 82 S	1286.0	973.0	5.0
19. SW 164 S	1355.0	925.0	5.0
20. SW MID S	1701.0	691.0	5.0

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JOB: S2 Security & Forest Park NBPM21 RUN: Site 2 No Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.0	.0	.2	.2	.2	.2	.5	.5	.6	.0	.0	.0	.1	.2	.9	.7	.5	.4	.4
5.	.0	.0	.0	.1	.2	.3	.2	.6	.7	.8	.0	.0	.0	.2	.3	1.1	.6	.5	.4	.4
10.	.0	.0	.0	.1	.3	.3	.1	.6	.9	.7	.1	.0	.0	.1	.3	1.1	.6	.6	.5	.4
15.	.0	.0	.0	.1	.3	.3	.1	.7	.9	.6	.3	.0	.0	.1	.3	1.0	.5	.5	.5	.4
20.	.0	.0	.0	.1	.3	.3	.1	.8	.9	.6	.3	.0	.0	.2	.4	1.1	.5	.5	.5	.4
25.	.0	.0	.0	.1	.3	.1	.0	.8	.7	.5	.2	.0	.0	.2	.4	1.0	.4	.5	.4	.4
30.	.0	.0	.0	.0	.2	.1	.0	.7	.5	.6	.2	.0	.0	.2	.5	.8	.4	.5	.3	.4
35.	.0	.0	.0	.0	.3	.1	.0	.8	.6	.5	.2	.0	.0	.2	.4	.9	.4	.5	.4	.4
40.	.0	.0	.0	.0	.2	.1	.0	.7	.6	.5	.2	.0	.0	.2	.4	.8	.4	.6	.4	.4
45.	.0	.0	.0	.0	.2	.1	.0	.6	.6	.5	.2	.1	.0	.2	.4	.7	.5	.5	.4	.4
50.	.0	.0	.0	.0	.2	.1	.0	.6	.7	.4	.3	.2	.1	.1	.4	.5	.5	.4	.4	.4
55.	.0	.0	.0	.0	.1	.1	.0	.5	.7	.4	.3	.2	.1	.1	.3	.5	.4	.4	.5	.4
60.	.0	.0	.0	.0	.1	.0	.0	.4	.7	.5	.4	.3	.2	.1	.2	.4	.4	.4	.4	.4
65.	.0	.0	.0	.0	.1	.0	.0	.4	.7	.4	.4	.4	.2	.1	.1	.4	.5	.4	.4	.4
70.	.0	.0	.0	.0	.1	.0	.0	.5	.6	.4	.5	.4	.2	.0	.1	.3	.5	.4	.4	.4
75.	.0	.0	.0	.0	.1	.0	.0	.5	.7	.4	.5	.4	.2	.0	.0	.2	.5	.4	.4	.5
80.	.0	.0	.0	.0	.1	.0	.0	.5	.7	.4	.7	.4	.2	.0	.0	.1	.5	.4	.4	.5
85.	.0	.0	.0	.0	.0	.0	.0	.5	.7	.5	.7	.4	.2	.0	.0	.1	.5	.4	.4	.5
90.	.0	.0	.0	.0	.0	.0	.0	.5	.6	.4	.7	.4	.2	.0	.1	.1	.5	.5	.5	.5

95. *	.0	.1	.0	.0	.0	.0	.0	.4	.5	.5	.8	.3	.2	.0	.1	.3	.5	.5	.6	.5
100. *	.0	.1	.0	.0	.0	.0	.0	.5	.6	.5	.8	.4	.1	.0	.1	.2	.7	.5	.6	.6
105. *	.0	.1	.1	.0	.0	.0	.0	.5	.7	.4	.7	.4	.1	.0	.1	.1	.7	.6	.6	.6
110. *	.1	.2	.1	.0	.0	.0	.0	.4	.7	.7	.7	.3	.1	.0	.0	.1	.5	.7	.6	.6
115. *	.1	.3	.2	.0	.0	.0	.0	.5	.7	.7	.7	.2	.2	.0	.0	.1	.5	.6	.5	.5
120. *	.3	.4	.4	.0	.0	.0	.0	.5	.9	.6	.7	.2	.1	.0	.0	.1	.5	.5	.4	.4
125. *	.3	.5	.4	.1	.0	.0	.0	.5	.9	.7	.6	.2	.1	.0	.0	.0	.5	.4	.4	.4
130. *	.5	.6	.5	.1	.0	.0	.0	.7	.9	.6	.6	.2	.1	.0	.0	.0	.3	.3	.3	.4
135. *	.6	.7	.5	.2	.0	.0	.0	.8	.8	.5	.6	.2	.1	.0	.0	.0	.2	.2	.2	.2
140. *	.6	.7	.7	.2	.0	.0	.0	.7	.6	.6	.6	.2	.1	.0	.0	.0	.0	.1	.0	.0
145. *	.6	.7	.5	.3	.1	.0	.0	.7	.7	.5	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0
150. *	.5	.7	.5	.3	.1	.0	.0	.6	.4	.4	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0
155. *	.5	.6	.5	.2	.1	.0	.0	.6	.3	.5	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0
160. *	.4	.6	.6	.2	.1	.1	.0	.5	.3	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0
165. *	.5	.6	.6	.1	.2	.1	.0	.5	.2	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0
170. *	.5	.6	.5	.2	.1	.1	.0	.3	.2	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0
175. *	.5	.6	.5	.3	.1	.1	.0	.2	.2	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0
180. *	.4	.5	.4	.3	.1	.1	.0	.1	.1	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0
185. *	.5	.5	.4	.3	.1	.1	.0	.0	.1	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0
190. *	.5	.5	.4	.3	.1	.1	.0	.0	.1	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0
195. *	.6	.5	.4	.3	.1	.1	.0	.0	.0	.4	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0
200. *	.4	.5	.4	.3	.0	.1	.0	.0	.0	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
205. *	.4	.4	.4	.3	.0	.1	.0	.0	.0	.4	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0

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JOB: S2 Security & Forest Park NBPM21 RUN: Site 2 No Build PM 2021

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.4	.4	.4	.3	.0	.1	.0	.0	.0	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
215. *	.4	.4	.4	.3	.1	.0	.0	.0	.0	.3	.2	.2	.1	.0	.0	.1	.0	.0	.0	.0
220. *	.4	.4	.4	.3	.1	.0	.0	.0	.0	.2	.2	.2	.1	.0	.1	.1	.2	.0	.0	.0
225. *	.4	.4	.4	.3	.1	.0	.0	.0	.0	.1	.2	.1	.1	.0	.1	.1	.2	.0	.0	.0
230. *	.4	.4	.4	.2	.1	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.2	.3	.0	.0	.0
235. *	.4	.4	.4	.2	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	.2	.4	.0	.0	.0
240. *	.4	.4	.4	.3	.1	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	.4	.5	.0	.0	.0
245. *	.4	.4	.4	.5	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	.1	.4	.7	.0	.0	.0
250. *	.4	.4	.4	.5	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	.2	.5	.7	.0	.0	.0
255. *	.5	.6	.4	.5	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	.2	.5	.7	.0	.0	.0
260. *	.6	.6	.4	.5	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.2	.6	.8	.1	.0	.0
265. *	.6	.6	.4	.5	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.2	.6	.8	.1	.0	.0
270. *	.6	.6	.6	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	.2	.7	.8	.1	.0	.0
275. *	.6	.5	.6	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	.2	.7	.7	.1	.1	.0
280. *	.6	.5	.6	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	.2	.7	.7	.2	.1	.0
285. *	.7	.7	.7	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	.2	.7	.6	.2	.1	.1
290. *	.7	.6	.7	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	.2	.8	.6	.2	.1	.1
295. *	.5	.6	.5	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.2	.2	.8	.6	.3	.2	.3
300. *	.5	.5	.4	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0	.2	.2	.8	.5	.2	.3	.3
305. *	.4	.5	.3	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.2	.2	.8	.5	.2	.3	.5
310. *	.4	.3	.3	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.2	.2	.8	.5	.3	.5	.5
315. *	.2	.2	.2	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.2	.2	.8	.6	.4	.4	.5
320. *	.1	.1	.2	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.2	.2	.8	.5	.4	.4	.6
325. *	.1	.1	.1	.1	.2	.2	.1	.1	.1	.1	.0	.0	.0	.2	.2	.8	.6	.5	.6	.6
330. *	.0	.0	.0	.1	.2	.3	.2	.1	.1	.1	.0	.0	.0	.2	.2	.8	.6	.5	.6	.6
335. *	.0	.0	.0	.1	.2	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.8	.6	.5	.5	.6
340. *	.0	.0	.0	.1	.3	.3	.2	.3	.4	.5	.0	.0	.0	.1	.2	.8	.7	.5	.4	.6
345. *	.0	.0	.0	.1	.3	.3	.2	.3	.5	.6	.0	.0	.0	.1	.2	.8	.7	.5	.4	.6
350. *	.0	.0	.0	.2	.3	.2	.2	.4	.5	.6	.0	.0	.0	.1	.2	.8	.6	.6	.4	.5
355. *	.0	.0	.0	.2	.3	.2	.3	.5	.5	.6	.0	.0	.0	.1	.2	.9	.7	.5	.4	.4
360. *	.0	.0	.0	.2	.2	.2	.2	.5	.5	.6	.0	.0	.0	.1	.2	.9	.7	.5	.4	.4
MAX *	.7	.7	.7	.5	.3	.3	.3	.8	.9	.8	.8	.4	.2	.2	.5	1.1	.8	.7	.6	.6
DEGR. *	285	285	285	245	10	5	355	20	10	5	95	65	60	5	30	5	260	110	95	100

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 5 DEGREES FROM REC16.
THE 2ND HIGHEST CONCENTRATION IS .90 PPM AT 10 DEGREES FROM REC9 .
THE 3RD HIGHEST CONCENTRATION IS .80 PPM AT 20 DEGREES FROM REC8 .

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S2 Security & Forest Park NBPM35        60.0321.0.0000.000200.30480000    1    1
SE MID S                 1762.      722.       5.0
SE 164 S                 1477.      913.       5.0
SE 82 S                  1412.      962.       5.0
SE CNR                   1380.     1054.       5.0
SE 82 E                  1456.     1117.       5.0
SE 164 E                 1539.     1123.       5.0
SE MID E                 1802.     1280.       5.0
NW 164 N                 1105.     1238.       5.0
NW 82 N                  1130.     1158.       5.0
NW CNR                   1162.     1081.       5.0
NW 82 W                  1110.     1019.       5.0
NW 164 W                 1045.      969.       5.0
NW MID W                  852.      824.       5.0
SW MID W                  883.      763.       5.0
SW 164 W                 1090.      922.       5.0
SW 82 W                  1153.      975.       5.0
SW CNR                   1221.     1022.       5.0
SW 82 S                  1286.      973.       5.0
SW 164 S                 1355.      925.       5.0
SW MID S                 1701.      691.       5.0
Site 2 No Build PM 2035                  83  1   0
  1
EB        FP ap     AG   356.   564.   790.   729.    275. 7.8   0  32   30.
  1
EB        FP ap     AG   790.   729.   886.   791.    275. 7.8   0  32   30.
  1
EB        FP ap     AG   886.   791.  1232.  1062.    275. 7.8   0  44   30.
  2
EB        FP ap     AG  1201.  1037.  1077.   941.      0.  24   2
       150       118       2.0  275   42.1 1816 1 3
  1
EB        FP dep1   AG  1232.  1062.  1296.  1102.     25. 7.8   0  32   30.
  1
EB        FP dep1   AG  1296.  1102.  1370.  1132.     25. 7.8   0  32   30.
  1
EB        FP dep1   AG  1370.  1132.  1471.  1144.     25. 7.8   0  32   30.
  1
EB        FP dep2   AG  1471.  1144.  1588.  1161.    320. 7.8   0  32   30.
  1
EB        FP dep2   AG  1588.  1161.  1685.  1199.    320. 7.8   0  32   30.
  1
EB        FP dep2   AG  1685.  1199.  1748.  1253.    320. 7.8   0  32   30.
  1
EB        FP dep2   AG  1748.  1253.  1798.  1335.    320. 7.8   0  32   30.
  1
EB        FP dep2   AG  1798.  1335.  1869.  1566.    320. 7.8   0  32   30.
  1
EB        FP dep2   AG  1869.  1566.  1902.  1635.    320. 7.8   0  32   30.
  1
EB        FP dep2   AG  1902.  1635.  1977.  1717.    320. 7.8   0  32   30.
  1
WB        FP dep    AG  1219.  1078.   886.   815.    340. 7.8   0  32   30.
  1
WB        FP dep    AG   886.   815.   770.   742.    340. 7.8   0  32   30.
  1
WB        FP dep    AG   770.   742.   348.   584.    340. 7.8   0  32   30.
  1
NB        Sec ap    AG  2027.   477.  1879.   611.   1165. 8.1   0  32   40.
  1
NB        Sec ap    AG  1879.   611.  1765.   694.   1165. 8.1   0  32   40.
  1
NB        Sec ap    AG  1765.   694.  1384.   954.   1165. 8.1   0  32   40.
  1
NB        Sec th+lt AG  1384.   954.  1250.  1060.    870. 8.1   0  44   40.
  2
NB        Sec th+lt AG  1254.  1057.  1373.   963.      0.  24   2
       150        32       2.0  870   42.1 1286 1 3
  1
NB        Sec right AG  1384.   954.  1355.  1026.    295. 8.1   0  32   40.
  1
NB        Sec right AG  1355.  1026.  1365.  1082.    295. 8.1   0  32   40.
  1
NB        Sec right AG  1365.  1082.  1405.  1127.    295. 8.1   0  32   40.
  1
NB        Sec right AG  1405.  1127.  1471.  1144.    295. 8.1   0  32   40.
  1
NB        Sec dep1  AG  1250.  1060.  1200.  1133.   1035. 8.1   0  44   40.
  1
NB        Sec dep1  AG  1200.  1133.  1159.  1231.   1035. 8.1   0  44   40.
  1
```

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NB        Sec dep1  AG  1159.  1231.  1152.  1332.   1035. 8.1   0  44   40.
  1
NB        Sec dep1  AG  1152.  1332.  1181.  1520.   1035. 8.1   0  44   40.
  1
NB        Sec dep1  AG  1181.  1520.  1200.  1700.   1035. 8.1   0  44   40.
  1
NB        Sec dep2  AG  1200.  1700.  1171.  1855.   1950. 8.1   0  56   40.
  1
NB        Sec dep2  AG  1171.  1855.  1107.  2059.   1950. 8.1   0  56   40.
  1
SB        Sec ap1   AG  1072.  2056.  1133.  1837.    980. 8.1   0  44   40.
  1
SB        Sec ap1   AG  1133.  1837.  1161.  1681.    980. 8.1   0  56   40.
  1
SB        Sec ap1   AG  1161.  1681.  1144.  1496.    980. 8.1   0  56   40.
  1
SB        Sec ap1   AG  1144.  1496.  1126.  1364.    980. 8.1   0  56   40.
  1
SB        Sec ap2   AG  1126.  1364.  1123.  1294.    965. 8.1   0  44   40.
  1
SB        Sec ap2   AG  1123.  1294.  1133.  1221.    965. 8.1   0  44   40.
  1
SB        Sec ap2   AG  1133.  1221.  1151.  1166.    965. 8.1   0  44   40.
  1
SB        Sec ap2   AG  1151.  1166.  1198.  1073.    965. 8.1   0  44   40.
  2
SB        Sec ap    AG  1185.  1099.  1154.  1161.      0.  24   2
       150        32       2.0  965   42.1 1859 1 3
  1
SB        Sec dep   AG  1198.  1073.  1295.   992.    710. 8.1   0  32   40.
  1
SB        Sec dep   AG  1295.   992.  1425.   903.    710. 8.1   0  32   40.
  1
SB        Sec dep   AG  1425.   903.  1755.   677.    710. 8.1   0  32   40.
  1
SB        Sec dep   AG  1755.   677.  1881.   586.    710. 8.1   0  32   40.
  1
SB        Sec dep   AG  1881.   586.  2016.   465.    710. 8.1   0  32   40.
  1
EB        I-70 off  AG  1119.  1641.  1331.  1620.    915. 7.8   0  32   30.
  1
EB        I-70 off  AG  1331.  1620.  1471.  1619.    915. 7.8   0  32   30.
  1
EB        I-70 off  AG  1471.  1619.  1552.  1582.    915. 7.8   0  32   30.
  1
EB        I-70 off  AG  1552.  1582.  1621.  1509.    915. 7.8   0  32   30.
  1
EB        I-70 off  AG  1621.  1509.  1650.  1413.    915. 7.8   0  32   30.
  1
EB        I-70 off  AG  1650.  1413.  1640.  1326.    915. 7.8   0  32   30.
  1
EB        I-70 off  AG  1640.  1326.  1590.  1245.    915. 7.8   0  32   30.
  1
EB        I-70 off  AG  1590.  1245.  1507.  1192.    915. 7.8   0  32   30.
  1
EB        I-70 off  AG  1507.  1192.  1416.  1177.    915. 7.8   0  32   30.
  1
EB        I-70 off  AG  1416.  1177.  1322.  1201.    915. 7.8   0  32   30.
  1
EB        I-70 off  AG  1322.  1201.  1235.  1267.    915. 7.8   0  32   30.
  1
EB        I-70 off  AG  1235.  1267.  1196.  1356.    915. 7.8   0  32   30.
  1
EB        I-70 off  AG  1196.  1356.  1208.  1571.    915. 7.8   0  32   30.
  1
EB        I-70 off  AG  1208.  1571.  1200.  1700.    915. 7.8   0  32   30.
  1
SB        I-70 on   AG  1144.  1496.  1101.  1361.     15. 7.8   0  32   30.
  1
SB        I-70 on   AG  1101.  1361.  1053.  1284.     15. 7.8   0  32   30.
  1
SB        I-70 on   AG  1053.  1284.   971.  1226.     15. 7.8   0  32   30.
  1
SB        I-70 on   AG   971.  1226.   871.  1199.     15. 7.8   0  32   30.
  1
SB        I-70 on   AG   871.  1199.   761.  1207.     15. 7.8   0  32   30.
  1
SB        I-70 on   AG   761.  1207.   538.  1276.     15. 7.8   0  32   30.
  1
SB        I-70 on   AG   538.  1276.   464.  1321.     15. 7.8   0  32   30.
  1
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SB        I-70 on   AG   464.  1321.   418.  1395.     15. 7.8   0  32   30.
  1
SB        I-70 on   AG   418.  1395.   412.  1486.     15. 7.8   0  32   30.
  1
SB        I-70 on   AG   412.  1486.   455.  1579.     15. 7.8   0  32   30.
  1
SB        I-70 on   AG   455.  1579.   526.  1636.     15. 7.8   0  32   30.
  1
SB        I-70 on   AG   526.  1636.   595.  1664.     15. 7.8   0  32   30.
  1
SB        I-70 on   AG   595.  1664.   862.  1664.     15. 7.8   0  32   30.
  1
EB        I-70 ap1  AG   490.  1746.   862.  1664.   2230. 7.9   0  56   35.
  1
EB        I-70 ap2  AG   862.  1664.  1119.  1641.   2245. 7.9   0  56   35.
  1
EB        I-70 ap3  AG  1119.  1641.  1485.  1676.   1330. 7.9   0  56   35.
  1
EB        I-70 ap3  AG  1485.  1676.  1747.  1716.   1330. 7.9   0  56   35.
  1
EB        I-70 ap3  AG  1747.  1716.  1947.  1761.   1330. 7.9   0  56   35.
  1
WB        I-70      AG  1894.  1811.  1492.  1733.   2430. 7.9   0  56   35.
  1
WB        I-70      AG  1492.  1733.  1119.  1704.   2430. 7.9   0  56   35.
  1
WB        I-70      AG  1119.  1704.   785.  1736.   2430. 7.9   0  56   35.
  1
WB        I-70      AG   785.  1736.   526.  1788.   2430. 7.9   0  56   35.
1.0   04  1000   0Y  5  0 72
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JOB: S2 Security & Forest Park NBPM35 RUN: Site 2 No Build PM 2035
DATE: 09/05/2012 TIME: 16:12:31.52

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	FP ap	356.0	564.0	790.0	729.0	464.	69.	AG	275.	7.8	.0	32.0		
2. EB	FP ap	790.0	729.0	886.0	791.0	114.	57.	AG	275.	7.8	.0	32.0		
3. EB	FP ap	886.0	791.0	1232.0	1062.0	439.	52.	AG	275.	7.8	.0	44.0		
4. EB	FP ap	1201.0	1037.0	1131.1	982.9	88.	232.	AG	178.	100.0	.0	24.0	.41	4.5
5. EB	FP dep1	1232.0	1062.0	1296.0	1102.0	75.	58.	AG	25.	7.8	.0	32.0		
6. EB	FP dep1	1296.0	1102.0	1370.0	1132.0	80.	68.	AG	25.	7.8	.0	32.0		
7. EB	FP dep1	1370.0	1132.0	1471.0	1144.0	102.	83.	AG	25.	7.8	.0	32.0		
8. EB	FP dep2	1471.0	1144.0	1588.0	1161.0	118.	82.	AG	320.	7.8	.0	32.0		
9. EB	FP dep2	1588.0	1161.0	1685.0	1199.0	104.	69.	AG	320.	7.8	.0	32.0		
10. EB	FP dep2	1685.0	1199.0	1748.0	1253.0	83.	49.	AG	320.	7.8	.0	32.0		
11. EB	FP dep2	1748.0	1253.0	1798.0	1335.0	96.	31.	AG	320.	7.8	.0	32.0		
12. EB	FP dep2	1798.0	1335.0	1869.0	1566.0	242.	17.	AG	320.	7.8	.0	32.0		
13. EB	FP dep2	1869.0	1566.0	1902.0	1635.0	76.	26.	AG	320.	7.8	.0	32.0		
14. EB	FP dep2	1902.0	1635.0	1977.0	1717.0	111.	42.	AG	320.	7.8	.0	32.0		
15. WB	FP dep	1219.0	1078.0	886.0	815.0	424.	232.	AG	340.	7.8	.0	32.0		
16. WB	FP dep	886.0	815.0	770.0	742.0	137.	238.	AG	340.	7.8	.0	32.0		
17. WB	FP dep	770.0	742.0	348.0	584.0	451.	249.	AG	340.	7.8	.0	32.0		
18. NB	Sec ap	2027.0	477.0	1879.0	611.0	200.	312.	AG	1165.	8.1	.0	32.0		
19. NB	Sec ap	1879.0	611.0	1765.0	694.0	141.	306.	AG	1165.	8.1	.0	32.0		
20. NB	Sec ap	1765.0	694.0	1384.0	954.0	461.	304.	AG	1165.	8.1	.0	32.0		
21. NB	Sec th+lt	1384.0	954.0	1250.0	1060.0	171.	308.	AG	870.	8.1	.0	44.0		
22. NB	Sec th+lt	1254.0	1057.0	1313.7	1009.8	76.	128.	AG	48.	100.0	.0	24.0	.45	3.9
23. NB	Sec right	1384.0	954.0	1355.0	1026.0	78.	338.	AG	295.	8.1	.0	32.0		
24. NB	Sec right	1355.0	1026.0	1365.0	1082.0	57.	10.	AG	295.	8.1	.0	32.0		
25. NB	Sec right	1365.0	1082.0	1405.0	1127.0	60.	42.	AG	295.	8.1	.0	32.0		
26. NB	Sec right	1405.0	1127.0	1471.0	1144.0	68.	76.	AG	295.	8.1	.0	32.0		
27. NB	Sec dep1	1250.0	1060.0	1200.0	1133.0	88.	326.	AG	1035.	8.1	.0	44.0		
28. NB	Sec dep1	1200.0	1133.0	1159.0	1231.0	106.	337.	AG	1035.	8.1	.0	44.0		
29. NB	Sec dep1	1159.0	1231.0	1152.0	1332.0	101.	356.	AG	1035.	8.1	.0	44.0		
30. NB	Sec dep1	1152.0	1332.0	1181.0	1520.0	190.	9.	AG	1035.	8.1	.0	44.0		
31. NB	Sec dep1	1181.0	1520.0	1200.0	1700.0	181.	6.	AG	1035.	8.1	.0	44.0		
32. NB	Sec dep2	1200.0	1700.0	1171.0	1855.0	158.	349.	AG	1950.	8.1	.0	56.0		
33. NB	Sec dep2	1171.0	1855.0	1107.0	2059.0	214.	343.	AG	1950.	8.1	.0	56.0		
34. SB	Sec ap1	1072.0	2056.0	1133.0	1837.0	227.	164.	AG	980.	8.1	.0	44.0		
35. SB	Sec ap1	1133.0	1837.0	1161.0	1681.0	158.	170.	AG	980.	8.1	.0	56.0		
36. SB	Sec ap1	1161.0	1681.0	1144.0	1496.0	186.	185.	AG	980.	8.1	.0	56.0		
37. SB	Sec ap1	1144.0	1496.0	1126.0	1364.0	133.	188.	AG	980.	8.1	.0	56.0		
38. SB	Sec ap2	1126.0	1364.0	1123.0	1294.0	70.	182.	AG	965.	8.1	.0	44.0		
39. SB	Sec ap2	1123.0	1294.0	1133.0	1221.0	74.	172.	AG	965.	8.1	.0	44.0		
40. SB	Sec ap2	1133.0	1221.0	1151.0	1166.0	58.	162.	AG	965.	8.1	.0	44.0		
41. SB	Sec ap2	1151.0	1166.0	1198.0	1073.0	104.	153.	AG	965.	8.1	.0	44.0		
42. SB	Sec ap	1185.0	1099.0	1147.3	1174.4	84.	333.	AG	48.	100.0	.0	24.0	.34	4.3
43. SB	Sec dep	1198.0	1073.0	1295.0	992.0	126.	130.	AG	710.	8.1	.0	32.0		
44. SB	Sec dep	1295.0	992.0	1425.0	903.0	158.	124.	AG	710.	8.1	.0	32.0		

JOB: S2 Security & Forest Park NBPM35 RUN: Site 2 No Build PM 2035
DATE: 09/05/2012 TIME: 16:12:31.52

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	Sec dep	1425.0	903.0	1755.0	677.0	400.	124.	AG	710.	8.1	.0	32.0		
46. SB	Sec dep	1755.0	677.0	1881.0	586.0	155.	126.	AG	710.	8.1	.0	32.0		
47. SB	Sec dep	1881.0	586.0	2016.0	465.0	181.	132.	AG	710.	8.1	.0	32.0		
48. EB	I-70 off	1119.0	1641.0	1331.0	1620.0	213.	96.	AG	915.	7.8	.0	32.0		
49. EB	I-70 off	1331.0	1620.0	1471.0	1619.0	140.	90.	AG	915.	7.8	.0	32.0		
50. EB	I-70 off	1471.0	1619.0	1552.0	1582.0	89.	115.	AG	915.	7.8	.0	32.0		
51. EB	I-70 off	1552.0	1582.0	1621.0	1509.0	100.	137.	AG	915.	7.8	.0	32.0		
52. EB	I-70 off	1621.0	1509.0	1650.0	1413.0	100.	163.	AG	915.	7.8	.0	32.0		
53. EB	I-70 off	1650.0	1413.0	1640.0	1326.0	88.	187.	AG	915.	7.8	.0	32.0		
54. EB	I-70 off	1640.0	1326.0	1590.0	1245.0	95.	212.	AG	915.	7.8	.0	32.0		
55. EB	I-70 off	1590.0	1245.0	1507.0	1192.0	98.	237.	AG	915.	7.8	.0	32.0		
56. EB	I-70 off	1507.0	1192.0	1416.0	1177.0	92.	261.	AG	915.	7.8	.0	32.0		
57. EB	I-70 off	1416.0	1177.0	1322.0	1201.0	97.	284.	AG	915.	7.8	.0	32.0		
58. EB	I-70 off	1322.0	1201.0	1235.0	1267.0	109.	307.	AG	915.	7.8	.0	32.0		
59. EB	I-70 off	1235.0	1267.0	1196.0	1356.0	97.	336.	AG	915.	7.8	.0	32.0		
60. EB	I-70 off	1196.0	1356.0	1208.0	1571.0	215.	3.	AG	915.	7.8	.0	32.0		
61. EB	I-70 off	1208.0	1571.0	1200.0	1700.0	129.	356.	AG	915.	7.8	.0	32.0		
62. SB	I-70 on	1144.0	1496.0	1101.0	1361.0	142.	198.	AG	15.	7.8	.0	32.0		
63. SB	I-70 on	1101.0	1361.0	1053.0	1284.0	91.	212.	AG	15.	7.8	.0	32.0		
64. SB	I-70 on	1053.0	1284.0	971.0	1226.0	100.	235.	AG	15.	7.8	.0	32.0		
65. SB	I-70 on	971.0	1226.0	871.0	1199.0	104.	255.	AG	15.	7.8	.0	32.0		

66. SB	I-70 on	*	871.0	1199.0	761.0	1207.0	*	110.	274.	AG	15.	7.8	.0	32.0
67. SB	I-70 on	*	761.0	1207.0	538.0	1276.0	*	233.	287.	AG	15.	7.8	.0	32.0
68. SB	I-70 on	*	538.0	1276.0	464.0	1321.0	*	87.	301.	AG	15.	7.8	.0	32.0
69. SB	I-70 on	*	464.0	1321.0	418.0	1395.0	*	87.	328.	AG	15.	7.8	.0	32.0
70. SB	I-70 on	*	418.0	1395.0	412.0	1486.0	*	91.	356.	AG	15.	7.8	.0	32.0
71. SB	I-70 on	*	412.0	1486.0	455.0	1579.0	*	102.	25.	AG	15.	7.8	.0	32.0
72. SB	I-70 on	*	455.0	1579.0	526.0	1636.0	*	91.	51.	AG	15.	7.8	.0	32.0
73. SB	I-70 on	*	526.0	1636.0	595.0	1664.0	*	74.	68.	AG	15.	7.8	.0	32.0
74. SB	I-70 on	*	595.0	1664.0	862.0	1664.0	*	267.	90.	AG	15.	7.8	.0	32.0
75. EB	I-70 ap1	*	490.0	1746.0	862.0	1664.0	*	381.	102.	AG	2230.	7.9	.0	56.0
76. EB	I-70 ap2	*	862.0	1664.0	1119.0	1641.0	*	258.	95.	AG	2245.	7.9	.0	56.0
77. EB	I-70 ap3	*	1119.0	1641.0	1485.0	1676.0	*	368.	85.	AG	1330.	7.9	.0	56.0
78. EB	I-70 ap3	*	1485.0	1676.0	1747.0	1716.0	*	265.	81.	AG	1330.	7.9	.0	56.0
79. EB	I-70 ap3	*	1747.0	1716.0	1947.0	1761.0	*	205.	77.	AG	1330.	7.9	.0	56.0
80. WB	I-70	*	1894.0	1811.0	1492.0	1733.0	*	409.	259.	AG	2430.	7.9	.0	56.0
81. WB	I-70	*	1492.0	1733.0	1119.0	1704.0	*	374.	266.	AG	2430.	7.9	.0	56.0
82. WB	I-70	*	1119.0	1704.0	785.0	1736.0	*	336.	275.	AG	2430.	7.9	.0	56.0
83. WB	I-70	*	785.0	1736.0	526.0	1788.0	*	264.	281.	AG	2430.	7.9	.0	56.0

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JOB: S2 Security & Forest Park NBPM35 RUN: Site 2 No Build PM 2035
DATE: 09/05/2012 TIME: 16:12:31.52

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB	FP ap	150	118	2.0	275	1816	42.10	1	3
22. NB	Sec th+lt	150	32	2.0	870	1286	42.10	1	3
42. SB	Sec ap	150	32	2.0	965	1859	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1762.0	722.0	5.0
2. SE 164 S	1477.0	913.0	5.0
3. SE 82 S	1412.0	962.0	5.0
4. SE CNR	1380.0	1054.0	5.0
5. SE 82 E	1456.0	1117.0	5.0
6. SE 164 E	1539.0	1123.0	5.0
7. SE MID E	1802.0	1280.0	5.0
8. NW 164 N	1105.0	1238.0	5.0
9. NW 82 N	1130.0	1158.0	5.0
10. NW CNR	1162.0	1081.0	5.0
11. NW 82 W	1110.0	1019.0	5.0
12. NW 164 W	1045.0	969.0	5.0
13. NW MID W	852.0	824.0	5.0
14. SW MID W	883.0	763.0	5.0
15. SW 164 W	1090.0	922.0	5.0
16. SW 82 W	1153.0	975.0	5.0
17. SW CNR	1221.0	1022.0	5.0
18. SW 82 S	1286.0	973.0	5.0
19. SW 164 S	1355.0	925.0	5.0
20. SW MID S	1701.0	691.0	5.0

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JOB: S2 Security & Forest Park NBPM35 RUN: Site 2 No Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.0	.0	.3	.2	.3	.2	.6	.5	.6	.0	.0	.0	.0	.2	.9	.8	.6	.4	.4
5.	.0	.0	.0	.2	.2	.3	.2	.6	.6	.7	.0	.0	.0	.0	.2	1.0	.6	.6	.4	.4
10.	.0	.0	.0	.1	.3	.3	.1	.6	.7	.6	.1	.0	.0	.0	.2	1.1	.6	.4	.4	.4
15.	.0	.0	.0	.0	.3	.3	.1	.8	.8	.6	.3	.0	.0	.2	.3	1.0	.6	.5	.4	.4
20.	.0	.0	.0	.1	.3	.3	.0	.9	.8	.6	.3	.1	.0	.2	.3	1.0	.4	.5	.4	.4
25.	.0	.0	.0	.2	.3	.2	.0	.8	.5	.5	.2	.0	.0	.2	.3	1.0	.3	.5	.3	.4
30.	.0	.0	.0	.2	.2	.1	.0	.8	.5	.5	.2	.0	.0	.2	.4	.8	.4	.5	.3	.4
35.	.0	.0	.0	.1	.2	.1	.0	.7	.4	.6	.2	.0	.0	.2	.4	.8	.4	.4	.4	.4
40.	.0	.0	.0	.0	.3	.1	.0	.6	.6	.6	.2	.0	.0	.2	.3	.8	.4	.3	.4	.4
45.	.0	.0	.0	.0	.2	.1	.0	.7	.6	.5	.2	.0	.0	.2	.3	.7	.4	.4	.4	.4
50.	.0	.0	.0	.0	.2	.1	.0	.6	.5	.4	.3	.2	.1	.1	.3	.5	.4	.4	.4	.4
55.	.0	.0	.0	.0	.2	.0	.0	.6	.6	.4	.3	.2	.1	.1	.2	.5	.4	.4	.5	.4
60.	.0	.0	.0	.0	.1	.0	.0	.5	.7	.3	.3	.2	.1	.1	.2	.4	.4	.4	.4	.4
65.	.0	.0	.0	.0	.1	.0	.0	.5	.7	.4	.3	.3	.2	.0	.1	.3	.5	.4	.4	.4
70.	.0	.0	.0	.0	.1	.0	.0	.5	.5	.4	.4	.4	.2	.0	.0	.2	.5	.4	.4	.4
75.	.0	.0	.0	.0	.1	.0	.0	.5	.6	.4	.4	.4	.2	.0	.0	.2	.5	.4	.4	.5
80.	.0	.0	.0	.0	.0	.0	.0	.4	.6	.4	.6	.4	.2	.0	.0	.1	.5	.4	.4	.5
85.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.4	.7	.3	.2	.0	.0	.1	.5	.4	.4	.5
90.	.0	.0	.0	.0	.0	.0	.0	.6	.5	.4	.7	.3	.2	.0	.1	.1	.5	.5	.5	.5

95. *	.0	.1	.0	.0	.0	.0	.0	.5	.4	.5	.7	.3	.2	.0	.1	.2	.5	.4	.6	.5
100. *	.0	.1	.0	.0	.0	.0	.0	.5	.5	.5	.8	.3	.1	.0	.1	.1	.7	.4	.6	.6
105. *	.0	.1	.1	.0	.0	.0	.0	.5	.6	.5	.7	.3	.0	.0	.1	.1	.6	.5	.6	.6
110. *	.1	.2	.1	.0	.0	.0	.0	.4	.7	.6	.7	.3	.1	.0	.0	.1	.5	.6	.6	.6
115. *	.1	.2	.2	.0	.0	.0	.0	.4	.7	.6	.6	.2	.1	.0	.0	.1	.4	.6	.4	.4
120. *	.3	.4	.4	.0	.0	.0	.0	.5	.8	.5	.6	.2	.1	.0	.0	.1	.4	.5	.4	.4
125. *	.3	.5	.4	.1	.0	.0	.0	.4	.8	.6	.5	.2	.1	.0	.0	.0	.4	.4	.3	.4
130. *	.4	.6	.5	.1	.0	.0	.0	.6	.8	.6	.5	.2	.1	.0	.0	.0	.3	.3	.3	.4
135. *	.6	.6	.5	.2	.0	.0	.0	.6	.8	.4	.5	.2	.1	.0	.0	.0	.2	.2	.2	.2
140. *	.6	.7	.5	.2	.0	.0	.0	.6	.6	.5	.4	.2	.1	.0	.0	.0	.0	.1	.0	.0
145. *	.6	.7	.5	.3	.1	.0	.0	.7	.7	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0
150. *	.5	.7	.5	.3	.1	.0	.0	.6	.4	.3	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0
155. *	.5	.6	.5	.2	.1	.0	.0	.5	.3	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
160. *	.4	.6	.6	.1	.1	.1	.0	.4	.3	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
165. *	.5	.6	.6	.1	.1	.1	.0	.4	.2	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
170. *	.5	.6	.5	.2	.1	.1	.0	.2	.2	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
175. *	.5	.5	.4	.3	.1	.1	.0	.2	.2	.4	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
180. *	.4	.4	.4	.3	.1	.1	.0	.0	.1	.4	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
185. *	.5	.4	.4	.2	.1	.1	.0	.0	.1	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
190. *	.5	.4	.4	.3	.1	.1	.0	.0	.0	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
195. *	.6	.4	.4	.3	.1	.1	.0	.0	.0	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
200. *	.4	.4	.4	.2	.0	.1	.0	.0	.0	.4	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
205. *	.4	.4	.4	.2	.0	.1	.0	.0	.0	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0

1

JOB: S2 Security & Forest Park NBPM35 RUN: Site 2 No Build PM 2035

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.4	.4	.4	.2	.0	.1	.0	.0	.0	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
215. *	.4	.4	.4	.3	.1	.0	.0	.0	.0	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
220. *	.4	.4	.4	.3	.1	.0	.0	.0	.0	.1	.2	.1	.1	.0	.0	.1	.1	.0	.0	.0
225. *	.4	.4	.4	.3	.1	.0	.0	.0	.0	.1	.1	.1	.1	.0	.1	.1	.2	.0	.0	.0
230. *	.4	.4	.4	.2	.1	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.3	.0	.0	.0
235. *	.4	.4	.3	.2	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	.3	.0	.0	.0
240. *	.4	.4	.4	.2	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.2	.5	.0	.0	.0
245. *	.4	.4	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.6	.0	.0	.0
250. *	.4	.4	.4	.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.2	.3	.6	.0	.0	.0
255. *	.4	.6	.4	.5	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.2	.3	.7	.0	.0	.0
260. *	.5	.6	.4	.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.2	.3	.7	.0	.0	.0
265. *	.6	.6	.4	.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.2	.3	.7	.1	.0	.0
270. *	.6	.6	.5	.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	.2	.4	.7	.1	.0	.0
275. *	.6	.5	.6	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	.2	.4	.7	.1	.0	.0
280. *	.6	.5	.6	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	.2	.4	.7	.1	.1	.0
285. *	.7	.6	.6	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	.2	.5	.6	.1	.1	.1
290. *	.6	.6	.7	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0	.2	.2	.5	.6	.1	.1	.1
295. *	.5	.5	.5	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.2	.2	.5	.6	.2	.2	.2
300. *	.5	.5	.3	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0	.2	.2	.6	.5	.2	.2	.3
305. *	.4	.5	.3	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.2	.2	.6	.5	.2	.3	.4
310. *	.4	.3	.3	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.2	.2	.7	.5	.2	.3	.5
315. *	.2	.2	.2	.1	.2	.2	.2	.1	.1	.0	.0	.0	.0	.2	.2	.7	.6	.4	.4	.5
320. *	.1	.1	.1	.1	.3	.2	.2	.2	.1	.1	.0	.0	.0	.2	.2	.7	.5	.4	.4	.6
325. *	.1	.1	.1	.1	.3	.2	.1	.1	.2	.2	.0	.0	.0	.2	.2	.7	.5	.5	.5	.6
330. *	.0	.0	.0	.1	.3	.3	.2	.3	.1	.1	.0	.0	.0	.2	.2	.7	.6	.5	.4	.6
335. *	.0	.0	.0	.1	.3	.4	.2	.2	.3	.2	.0	.0	.0	.2	.2	.7	.6	.4	.4	.6
340. *	.0	.0	.0	.0	.3	.3	.2	.2	.4	.6	.0	.0	.0	.2	.2	.7	.7	.5	.4	.6
345. *	.0	.0	.0	.2	.3	.3	.2	.3	.5	.7	.1	.0	.0	.1	.2	.8	.6	.5	.4	.5
350. *	.0	.0	.1	.3	.3	.3	.2	.4	.6	.6	.1	.0	.0	.1	.2	.8	.6	.6	.4	.4
355. *	.0	.0	.1	.3	.3	.2	.1	.5	.6	.6	.0	.0	.0	.0	.2	.9	.7	.5	.4	.4
360. *	.0	.0	.0	.3	.2	.3	.2	.6	.5	.6	.0	.0	.0	.0	.2	.9	.8	.6	.4	.4
MAX *	.7	.7	.7	.5	.3	.4	.2	.9	.8	.7	.8	.4	.2	.2	.4	1.1	.8	.6	.6	.6
DEGR. *	285	140	290	255	10	335	0	20	15	5	100	70	65	15	30	10	0	0	95	100

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 10 DEGREES FROM REC16.
THE 2ND HIGHEST CONCENTRATION IS .90 PPM AT 20 DEGREES FROM REC8 .
THE 3RD HIGHEST CONCENTRATION IS .80 PPM AT 15 DEGREES FROM REC9 .

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S3 US40 & Winans BDAM21                 60.0321.0.0000.000280.30480000    1    1
SE MID S                  927.      737.       5.0
SE 164 S                  865.      933.       5.0
SE 82 S                   841.     1012.       5.0
SE CNR                    818.     1090.       5.0
SE 82 E                   898.     1105.       5.0
SE 164 E                  979.     1121.       5.0
SE MID E                 1183.     1160.       5.0
NE MID E                 1193.     1274.       5.0
NE 164  E                 954.     1227.       5.0
NE 82 E                   874.     1211.       5.0
NE CNR                    796.     1198.       5.0
NE 82 N                   779.     1276.       5.0
NE 164 N                  760.     1355.       5.0
NE MID N                  658.     1584.       5.0
NW 164 N                  702.     1346.       5.0
NW 82 N                   723.     1266.       5.0
NW MID N                  605.     1561.       5.0
NW CNR                    733.     1187.       5.0
NW 82 W                   660.     1170.       5.0
NW 164 W                  578.     1155.       5.0
NW MID W                  389.     1118.       5.0
SW MID W                  405.     1009.       5.0
SW 164 W                  605.     1048.       5.0
SW 82 W                   686.     1064.       5.0
SW CNR                    765.     1076.       5.0
SW 82 S                   790.      999.       5.0
SW 164 S                  814.      922.       5.0
SW MID S                  877.      719.       5.0
Site 3 Build AM 2021                     44  1   0
  1
NB        Win       AG  1016.   171.   977.   513.    270. 8.1   0  32   30.
  1
NB        Win       AG   977.   513.   782.  1136.    270. 8.1   0  32   30.
  2
NB        Win       AG   798.  1085.   858.   891.      0.  12   1
       150       104       2.0  270   43.6  963 1 3
  1
NB        Win dep   AG   782.  1136.   738.  1358.     55. 8.1   0  32   30.
  1
NB        Win dep   AG   738.  1358.   675.  1510.     55. 8.1   0  32   30.
  1
NB        Win dep   AG   675.  1510.   610.  1621.     55. 8.1   0  32   30.
  1
NB        Win dep   AG   610.  1621.   530.  1717.     55. 8.1   0  32   30.
  1
NB        Win dep   AG   530.  1717.   414.  1856.     55. 8.1   0  32   30.
  1
NB        Win dep   AG   414.  1856.   372.  1963.     55. 8.1   0  32   30.
  1
NB        Win dep   AG   372.  1963.   356.  2049.     55. 8.1   0  32   30.
  1
SB        Win       AG   340.  2038.   362.  1946.    230. 8.1   0  32   30.
  1
SB        Win       AG   362.  1946.   397.  1851.    230. 8.1   0  32   30.
  1
SB        Win       AG   397.  1851.   593.  1622.    230. 8.1   0  32   30.
  1
SB        Win       AG   593.  1622.   660.  1510.    230. 8.1   0  32   30.
  1
SB        Win       AG   660.  1510.   722.  1360.    230. 8.1   0  32   30.
  1
SB        Win       AG   722.  1360.   769.  1150.    230. 8.1   0  32   30.
  2
SB        Win       AG   759.  1197.   729.  1330.      0.  12   1
       150       104       2.0  230   43.6 1487 1 3
  1
SB        Win dep   AG   769.  1150.   785.  1074.    195. 8.1   0  32   30.
  1
SB        Win dep   AG   785.  1074.   964.   508.    195. 8.1   0  32   30.
  1
SB        Win dep   AG   964.   508.  1000.   166.    195. 8.1   0  32   30.
  1
EB        US40 ap   AG  -197.   913.   539.  1059.   2110. 8.1   0  44   35.
  1
EB        US40 thru AG   539.  1059.   784.  1107.   2095. 8.1   0  44   35.
  2
EB        US40 thru AG   750.  1101.   616.  1074.      0.  24   2
       150        54       2.0 2095   43.6 1697 1 3
  1
EB        US40 left AG   539.  1059.   616.  1091.     15. 8.1   0  32   35.
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  1
EB        US40 left AG   616.  1091.   780.  1123.     15. 8.1   0  32   35.
  2
EB        US40 left AG   744.  1116.   631.  1094.      0.  12   1
       150       144       2.0   15   43.6 1711 1 3
  1
EB        US40 dep  AG   784.  1107.  1199.  1186.   2095. 8.1   0  44   35.
  1
EB        US40 dep  AG  1199.  1186.  1326.  1206.   2095. 8.1   0  44   35.
  1
EB        US40 dep  AG  1326.  1206.  1436.  1217.   2095. 8.1   0  44   35.
  1
EB        US40 dep  AG  1436.  1217.  1598.  1225.   2095. 8.1   0  44   35.
  1
EB        US40 dep  AG  1598.  1225.  1773.  1234.   2095. 8.1   0  44   35.
  1
WB        US40 ap   AG  1765.  1298.  1439.  1280.   1455. 8.1   0  44   35.
  1
WB        US40 ap   AG  1439.  1280.  1323.  1269.   1455. 8.1   0  44   35.
  1
WB        US40 ap   AG  1323.  1269.  1188.  1250.   1455. 8.1   0  44   35.
  1
WB        US40 ap   AG  1188.  1250.   986.  1210.   1455. 8.1   0  44   35.
  1
WB        US40 th   AG   986.  1210.   940.  1195.   1420. 8.1   0  44   35.
  1
WB        US40 th   AG   940.  1195.   787.  1167.   1420. 8.1   0  44   35.
  2
WB        US40 th   AG   812.  1171.   928.  1193.      0.  24   2
       150       102       2.0 1420   43.6 1798 1 3
  1
WB        US40 left AG   986.  1210.   938.  1182.     35. 8.1   0  32   35.
  1
WB        US40 left AG   938.  1182.   790.  1154.     35. 8.1   0  32   35.
  2
WB        US40 left AG   813.  1158.   918.  1178.      0.  12   1
       150       142       2.0   35   43.6 1593 1 3
  1
WB        US40 dep  AG   787.  1167.   700.  1154.   1720. 8.1   0  44   35.
  1
WB        US40 dep  AG   700.  1154.   554.  1121.   1720. 8.1   0  44   35.
  1
WB        US40 dep  AG   554.  1121.  -210.   975.   1720. 8.1   0  56   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S3 US40 & Winans BDAM21 RUN: Site 3 Build AM 2021
DATE: 09/06/2012 TIME: 12:07:20.61

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	Win	1016.0	171.0	977.0	513.0	344.	353.	AG	270.	8.1	.0	32.0		
2. NB	Win	977.0	513.0	782.0	1136.0	653.	343.	AG	270.	8.1	.0	32.0		
3. NB	Win	798.0	1085.0	869.9	852.4	243.	163.	AG	81.	100.0	.0	12.0	1.00	12.4
4. NB	Win dep	782.0	1136.0	738.0	1358.0	226.	349.	AG	55.	8.1	.0	32.0		
5. NB	Win dep	738.0	1358.0	675.0	1510.0	165.	337.	AG	55.	8.1	.0	32.0		
6. NB	Win dep	675.0	1510.0	610.0	1621.0	129.	330.	AG	55.	8.1	.0	32.0		
7. NB	Win dep	610.0	1621.0	530.0	1717.0	125.	320.	AG	55.	8.1	.0	32.0		
8. NB	Win dep	530.0	1717.0	414.0	1856.0	181.	320.	AG	55.	8.1	.0	32.0		
9. NB	Win dep	414.0	1856.0	372.0	1963.0	115.	339.	AG	55.	8.1	.0	32.0		
10. NB	Win dep	372.0	1963.0	356.0	2049.0	87.	349.	AG	55.	8.1	.0	32.0		
11. SB	Win	340.0	2038.0	362.0	1946.0	95.	167.	AG	230.	8.1	.0	32.0		
12. SB	Win	362.0	1946.0	397.0	1851.0	101.	160.	AG	230.	8.1	.0	32.0		
13. SB	Win	397.0	1851.0	593.0	1622.0	301.	139.	AG	230.	8.1	.0	32.0		
14. SB	Win	593.0	1622.0	660.0	1510.0	131.	149.	AG	230.	8.1	.0	32.0		
15. SB	Win	660.0	1510.0	722.0	1360.0	162.	158.	AG	230.	8.1	.0	32.0		
16. SB	Win	722.0	1360.0	769.0	1150.0	215.	167.	AG	230.	8.1	.0	32.0		
17. SB	Win	759.0	1197.0	730.2	1324.6	131.	347.	AG	81.	100.0	.0	12.0	.55	6.6
18. SB	Win dep	769.0	1150.0	785.0	1074.0	78.	168.	AG	195.	8.1	.0	32.0		
19. SB	Win dep	785.0	1074.0	964.0	508.0	594.	162.	AG	195.	8.1	.0	32.0		
20. SB	Win dep	964.0	508.0	1000.0	166.0	344.	174.	AG	195.	8.1	.0	32.0		
21. EB	US40 ap	-197.0	913.0	539.0	1059.0	750.	79.	AG	2110.	8.1	.0	44.0		
22. EB	US40 thru	539.0	1059.0	784.0	1107.0	250.	79.	AG	2095.	8.1	.0	44.0		
23. EB	US40 thru	750.0	1101.0	224.7	995.1	536.	259.	AG	84.	100.0	.0	24.0	1.01	27.2
24. EB	US40 left	539.0	1059.0	616.0	1091.0	83.	67.	AG	15.	8.1	.0	32.0		
25. EB	US40 left	616.0	1091.0	780.0	1123.0	167.	79.	AG	15.	8.1	.0	32.0		
26. EB	US40 left	744.0	1116.0	728.7	1113.0	16.	259.	AG	112.	100.0	.0	12.0	.68	.8
27. EB	US40 dep	784.0	1107.0	1199.0	1186.0	422.	79.	AG	2095.	8.1	.0	44.0		
28. EB	US40 dep	1199.0	1186.0	1326.0	1206.0	129.	81.	AG	2095.	8.1	.0	44.0		
29. EB	US40 dep	1326.0	1206.0	1436.0	1217.0	111.	84.	AG	2095.	8.1	.0	44.0		
30. EB	US40 dep	1436.0	1217.0	1598.0	1225.0	162.	87.	AG	2095.	8.1	.0	44.0		
31. EB	US40 dep	1598.0	1225.0	1773.0	1234.0	175.	87.	AG	2095.	8.1	.0	44.0		
32. WB	US40 ap	1765.0	1298.0	1439.0	1280.0	326.	267.	AG	1455.	8.1	.0	44.0		
33. WB	US40 ap	1439.0	1280.0	1323.0	1269.0	117.	265.	AG	1455.	8.1	.0	44.0		
34. WB	US40 ap	1323.0	1269.0	1188.0	1250.0	136.	262.	AG	1455.	8.1	.0	44.0		
35. WB	US40 ap	1188.0	1250.0	986.0	1210.0	206.	259.	AG	1455.	8.1	.0	44.0		
36. WB	US40 th	986.0	1210.0	940.0	1195.0	48.	252.	AG	1420.	8.1	.0	44.0		
37. WB	US40 th	940.0	1195.0	787.0	1167.0	156.	260.	AG	1420.	8.1	.0	44.0		
38. WB	US40 th	812.0	1171.0	3117.8	1608.3	2347.	79.	AG	159.	100.0	.0	24.0	1.35	119.2
39. WB	US40 left	986.0	1210.0	938.0	1182.0	56.	240.	AG	35.	8.1	.0	32.0		
40. WB	US40 left	938.0	1182.0	790.0	1154.0	151.	259.	AG	35.	8.1	.0	32.0		
41. WB	US40 left	813.0	1158.0	851.8	1165.4	39.	79.	AG	111.	100.0	.0	12.0	.83	2.0
42. WB	US40 dep	787.0	1167.0	700.0	1154.0	88.	262.	AG	1720.	8.1	.0	44.0		
43. WB	US40 dep	700.0	1154.0	554.0	1121.0	150.	257.	AG	1720.	8.1	.0	44.0		
44. WB	US40 dep	554.0	1121.0	-210.0	975.0	778.	259.	AG	1720.	8.1	.0	56.0		

JOB: S3 US40 & Winans BDAM21 RUN: Site 3 Build AM 2021
DATE: 09/06/2012 TIME: 12:07:20.61

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. NB	Win	150	104	2.0	270	963	43.60	1	3
17. SB	Win	150	104	2.0	230	1487	43.60	1	3
23. EB	US40 thru	150	54	2.0	2095	1697	43.60	1	3
26. EB	US40 left	150	144	2.0	15	1711	43.60	1	3
38. WB	US40 th	150	102	2.0	1420	1798	43.60	1	3
41. WB	US40 left	150	142	2.0	35	1593	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	927.0	737.0	5.0
2. SE 164 S	865.0	933.0	5.0
3. SE 82 S	841.0	1012.0	5.0
4. SE CNR	818.0	1090.0	5.0
5. SE 82 E	898.0	1105.0	5.0
6. SE 164 E	979.0	1121.0	5.0
7. SE MID E	1183.0	1160.0	5.0
8. NE MID E	1193.0	1274.0	5.0
9. NE 164 E	954.0	1227.0	5.0
10. NE 82 E	874.0	1211.0	5.0

11. NE CNR	*	796.0	1198.0	5.0	*
12. NE 82 N	*	779.0	1276.0	5.0	*
13. NE 164 N	*	760.0	1355.0	5.0	*
14. NE MID N	*	658.0	1584.0	5.0	*
15. NW 164 N	*	702.0	1346.0	5.0	*
16. NW 82 N	*	723.0	1266.0	5.0	*
17. NW MID N	*	605.0	1561.0	5.0	*
18. NW CNR	*	733.0	1187.0	5.0	*
19. NW 82 W	*	660.0	1170.0	5.0	*
20. NW 164 W	*	578.0	1155.0	5.0	*
21. NW MID W	*	389.0	1118.0	5.0	*
22. SW MID W	*	405.0	1009.0	5.0	*
23. SW 164 W	*	605.0	1048.0	5.0	*
24. SW 82 W	*	686.0	1064.0	5.0	*
25. SW CNR	*	765.0	1076.0	5.0	*
26. SW 82 S	*	790.0	999.0	5.0	*
27. SW 164 S	*	814.0	922.0	5.0	*
28. SW MID S	*	877.0	719.0	5.0	*

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JOB: S3 US40 & Winans BDAM21 RUN: Site 3 Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.2	.3	.4	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.2	.0	.0
5.	.2	.3	.4	.9	.9	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.3	.0	.0
10.	.2	.4	.4	1.0	.9	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.3	.0	.0
15.	.2	.3	.4	1.1	.9	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
20.	.2	.3	.4	1.1	1.0	.9	.9	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
25.	.2	.3	.4	1.1	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
30.	.2	.4	.4	1.0	1.1	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.1	.0
35.	.1	.4	.5	1.1	1.2	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.3	.1	.0
40.	.1	.3	.6	1.1	1.1	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.3	.1	.0
45.	.1	.2	.6	1.1	1.2	1.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.2	.1	.0
50.	.1	.2	.5	1.3	1.3	1.3	1.3	.1	.0	.0	.0	.0	.0	.0	.0	.3	.1	.2	.1	.0
55.	.1	.2	.5	1.3	1.2	1.2	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.3	.1	.2	.1	.0
60.	.1	.2	.4	1.4	1.2	1.3	1.4	.2	.2	.1	.1	.0	.0	.0	.0	.3	.1	.3	.4	.1
65.	.1	.1	.4	1.3	1.2	1.4	1.3	.2	.3	.3	.2	.0	.0	.0	.0	.3	.1	.4	.4	.2
70.	.0	.1	.3	1.3	1.3	1.3	1.4	.4	.6	.5	.5	.1	.0	.0	.0	.4	.1	.6	.5	.4
75.	.0	.1	.2	1.1	1.2	1.0	1.2	.8	.8	.7	.7	.1	.0	.0	.1	.4	.1	.9	.7	.7
80.	.0	.1	.1	.9	1.0	.9	1.1	1.0	1.0	1.0	.9	.2	.1	.0	.2	.5	.1	1.0	1.0	.8
85.	.0	.0	.1	.7	.6	.7	.8	1.2	1.3	1.2	1.0	.3	.1	.0	.2	.5	.1	1.1	1.0	.9
90.	.0	.0	.0	.5	.5	.5	.6	1.4	1.4	1.3	1.2	.3	.1	.1	.2	.7	.2	1.2	1.1	1.1
95.	.0	.0	.0	.3	.3	.3	.4	1.5	1.3	1.4	1.3	.4	.2	.1	.3	.7	.2	1.1	1.1	1.1
100.	.0	.0	.0	.2	.2	.2	.1	1.4	1.4	1.3	1.3	.4	.2	.1	.3	.8	.2	1.2	1.1	1.0
105.	.0	.0	.0	.1	.1	.1	.1	1.4	1.3	1.3	1.2	.4	.4	.1	.5	.8	.2	1.2	1.1	1.0
110.	.0	.0	.0	.1	.1	.1	.0	1.3	1.2	1.3	1.3	.5	.3	.1	.4	.8	.2	1.1	.8	.9
115.	.0	.0	.0	.1	.1	.1	.0	1.2	1.2	1.3	1.2	.5	.3	.1	.4	.8	.2	1.0	.9	.9
120.	.0	.0	.0	.1	.1	.1	.0	1.3	1.2	1.3	1.2	.5	.3	.1	.5	.8	.2	.9	.9	.9
125.	.0	.0	.0	.1	.1	.1	.0	1.2	1.3	1.2	1.2	.5	.2	.1	.5	.7	.3	.8	.9	.9
130.	.0	.0	.0	.0	.0	.1	.0	1.1	1.1	1.1	1.1	.5	.3	.2	.5	.7	.3	.7	1.0	.9
135.	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	1.1	1.1	.5	.3	.2	.5	.7	.3	.7	.9	.8
140.	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	1.1	1.1	.5	.3	.2	.6	.8	.2	.8	1.0	.8
145.	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.9	.5	.3	.2	.6	.7	.2	.8	.8	.8
150.	.0	.0	.0	.1	.0	.0	.0	1.0	1.1	1.0	.9	.4	.3	.2	.6	.6	.1	.8	.8	.8
155.	.1	.1	.2	.2	.0	.0	.0	1.0	1.1	1.0	.9	.4	.3	.1	.5	.5	.0	.9	.8	.8
160.	.1	.2	.2	.2	.0	.0	.0	1.0	1.1	1.1	.9	.3	.3	.1	.5	.5	.0	.9	.9	.8
165.	.1	.2	.2	.3	.0	.0	.0	1.1	1.1	1.1	.9	.3	.3	.0	.4	.6	.1	.7	.9	.8
170.	.1	.2	.3	.3	.0	.0	.0	1.2	1.1	1.1	.8	.5	.4	.0	.3	.4	.1	.7	.9	.8
175.	.1	.2	.3	.3	.0	.0	.0	1.0	1.1	1.1	.9	.4	.4	.1	.3	.3	.1	.7	.9	.7
180.	.1	.4	.4	.4	.0	.0	.0	1.1	1.0	1.1	.9	.4	.3	.1	.3	.4	.1	.8	.8	.7
185.	.1	.4	.4	.3	.0	.0	.0	1.2	1.1	1.1	.7	.4	.3	.1	.2	.5	.0	.8	.8	.7
190.	.1	.4	.4	.3	.1	.0	.0	1.1	1.1	1.1	.6	.3	.4	.0	.2	.5	.0	.8	.8	.9
195.	.1	.3	.3	.3	.1	.0	.0	1.0	1.1	1.1	.7	.3	.5	.0	.3	.5	.2	.8	.9	.9
200.	.1	.3	.3	.3	.1	.0	.0	1.1	1.1	1.2	.7	.5	.5	.2	.3	.5	.2	.9	.9	.9
205.	.1	.3	.3	.3	.1	.0	.0	1.1	1.1	1.1	.7	.6	.5	.2	.3	.4	.2	.9	.9	.9

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JOB: S3 US40 & Winans BDAM21 RUN: Site 3 Build AM 2021

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.1	.3	.3	.3	.1	.1	.1	1.1	1.1	1.2	.7	.6	.5	.2	.5	.4	.2	.9	.9	.9
215.	.1	.3	.3	.3	.2	.1	.1	1.1	1.3	1.2	.8	.6	.6	.2	.4	.5	.2	1.0	.9	.9
220.	.1	.3	.3	.3	.2	.1	.1	1.3	1.3	1.2	.9	.6	.6	.2	.3	.6	.2	.9	.9	1.0
225.	.1	.3	.3	.3	.2	.1	.1	1.3	1.2	1.4	1.0	.6	.5	.2	.2	.5	.2	.9	1.0	.9
230.	.1	.3	.3	.3	.2	.1	.1	1.3	1.2	1.4	1.1	.6	.3	.2	.2	.5	.2	1.0	1.0	1.0
235.	.1	.3	.3	.4	.2	.1	.2	1.4	1.2	1.4	1.1	.6	.2	.0	.2	.5	.0	1.1	1.1	1.0
240.	.1	.3	.3	.4	.3	.2	.2	1.4	1.4	1.5	1.0	.5	.2	.0	.2	.6	.0	1.0	1.2	1.1
245.	.1	.3	.3	.7	.5	.4	.3	1.5	1.5	1.2	1.1	.5	.2	.0	.2	.3	.0	1.1	1.2	1.0
250.	.1	.3	.3	.9	.9	.7	.6	1.6	1.4	1.1	1.1	.3	.2	.0	.2	.3	.0	1.1	1.0	1.0

255. *	.1	.3	.4	1.3	.9	.9	.9	1.3	1.1	.9	1.1	.3	.1	.0	.1	.2	.0	.9	1.0	.8
260. *	.1	.4	.5	1.4	1.0	1.0	1.2	1.0	.9	.8	.6	.3	.0	.0	.0	.1	.0	.6	.7	.7
265. *	.1	.4	.7	1.6	1.3	1.1	1.2	.6	.6	.5	.5	.2	.0	.0	.0	.1	.0	.6	.5	.5
270. *	.1	.5	.8	1.6	1.2	1.5	1.4	.3	.3	.4	.4	.1	.0	.0	.0	.0	.0	.2	.4	.3
275. *	.1	.5	.7	1.5	1.4	1.6	1.3	.2	.1	.2	.4	.1	.0	.0	.0	.0	.0	.2	.2	.2
280. *	.2	.6	.8	1.3	1.3	1.4	1.3	.1	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	.1
285. *	.3	.7	.9	1.3	1.0	1.1	1.1	.1	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1
290. *	.3	.7	.9	1.2	1.1	1.2	1.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.0
295. *	.3	.7	.8	1.1	1.0	1.1	1.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
300. *	.3	.6	.7	1.0	1.1	1.1	1.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
305. *	.3	.6	.7	1.1	1.0	1.1	1.1	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
310. *	.2	.6	.8	1.1	1.1	1.0	1.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
315. *	.3	.6	.7	.9	1.0	1.0	1.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
320. *	.3	.5	.7	.9	1.1	.9	1.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
325. *	.4	.4	.6	.9	.9	.9	1.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
330. *	.3	.6	.5	.9	.9	.9	1.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
335. *	.3	.6	.5	.9	.9	.9	1.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
340. *	.2	.5	.7	.9	1.0	1.0	1.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
345. *	.3	.4	.7	.9	1.0	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
350. *	.3	.5	.4	.9	1.0	.9	.9	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0
355. *	.2	.4	.4	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.0	.0
360. *	.2	.3	.4	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.2	.0	.0
MAX *	.4	.7	.9	1.6	1.4	1.6	1.4	1.6	1.5	1.5	1.3	.6	.6	.2	.6	.8	.3	1.2	1.2	1.1
DEGR. *	325	285	285	265	275	275	55	250	245	240	95	205	215	130	140	140	125	90	240	90

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JOB: S3 US40 & Winans BDAM21 RUN: Site 3 Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	1.0	.9	1.0	.9	.6	.6	.4
5. *	.0	.9	.9	.9	1.0	.8	.6	.4
10. *	.0	.9	.9	.9	.9	.7	.7	.4
15. *	.0	1.1	.9	.9	.9	.7	.7	.4
20. *	.0	1.1	1.0	1.0	1.0	.7	.8	.4
25. *	.0	1.1	1.1	1.0	1.0	.7	.7	.4
30. *	.0	1.1	1.1	1.1	1.0	.7	.7	.4
35. *	.1	1.2	1.3	1.2	1.2	.7	.7	.3
40. *	.1	1.2	1.2	1.3	1.3	.8	.7	.3
45. *	.1	1.3	1.2	1.3	1.3	.9	.5	.3
50. *	.1	1.4	1.3	1.3	1.2	.8	.5	.3
55. *	.1	1.3	1.6	1.5	1.4	.8	.5	.3
60. *	.1	1.4	1.6	1.4	1.4	.7	.5	.3
65. *	.3	1.6	1.6	1.4	1.4	.7	.4	.3
70. *	.5	1.5	1.4	1.4	1.3	.6	.4	.2
75. *	.6	1.4	1.2	1.1	1.1	.5	.4	.2
80. *	.8	1.1	1.0	1.0	1.0	.4	.4	.2
85. *	.9	1.0	.8	.6	.7	.4	.3	.2
90. *	1.0	.7	.6	.6	.6	.3	.3	.2
95. *	1.3	.4	.3	.4	.4	.3	.3	.2
100. *	1.2	.1	.2	.3	.3	.3	.3	.2
105. *	1.0	.1	.1	.2	.2	.3	.3	.2
110. *	1.0	.1	.1	.2	.2	.4	.3	.2
115. *	.9	.1	.1	.2	.3	.4	.3	.2
120. *	.9	.1	.1	.2	.3	.4	.3	.2
125. *	.9	.1	.1	.2	.4	.4	.3	.2
130. *	.8	.0	.0	.1	.4	.4	.3	.2
135. *	.8	.0	.0	.1	.4	.4	.3	.2
140. *	.8	.0	.0	.0	.4	.4	.3	.2
145. *	.8	.0	.0	.0	.4	.3	.3	.2
150. *	.8	.0	.0	.0	.3	.3	.3	.2
155. *	.8	.0	.0	.0	.3	.3	.2	.1
160. *	.8	.0	.0	.0	.3	.3	.1	.1
165. *	.9	.0	.0	.0	.2	.1	.1	.0
170. *	.9	.0	.0	.0	.0	.1	.0	.0
175. *	.9	.0	.0	.0	.0	.0	.0	.0
180. *	.8	.0	.0	.0	.0	.0	.0	.0
185. *	.8	.0	.0	.0	.0	.0	.0	.0
190. *	.8	.0	.0	.0	.0	.0	.0	.0
195. *	.8	.0	.0	.0	.0	.0	.0	.0
200. *	.8	.0	.0	.0	.0	.0	.0	.0
205. *	.9	.0	.0	.0	.0	.0	.0	.0

1

JOB: S3 US40 & Winans BDAM21 RUN: Site 3 Build AM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) * CONCENTRATION (PPM) REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.9	.1	.0	.0	.0	.0	.0	.0
215.	*	.9	.1	.1	.1	.0	.0	.0	.0
220.	*	1.0	.1	.1	.1	.0	.0	.0	.0
225.	*	1.0	.1	.1	.1	.0	.0	.0	.0
230.	*	1.0	.1	.1	.1	.1	.0	.0	.0
235.	*	1.1	.2	.2	.1	.1	.0	.0	.0
240.	*	1.0	.2	.2	.3	.1	.0	.0	.0
245.	*	1.0	.5	.4	.4	.4	.0	.0	.0
250.	*	.9	.6	.7	.7	.6	.0	.0	.0
255.	*	.9	.9	1.0	1.0	.9	.1	.0	.0
260.	*	.7	1.1	1.2	1.2	1.0	.2	.1	.0
265.	*	.6	1.3	1.4	1.4	1.3	.4	.1	.0
270.	*	.3	1.4	1.5	1.5	1.5	.5	.2	.0
275.	*	.2	1.5	1.5	1.4	1.4	.5	.2	.0
280.	*	.2	1.5	1.5	1.5	1.3	.5	.3	.1
285.	*	.1	1.4	1.5	1.4	1.3	.5	.3	.2
290.	*	.1	1.4	1.4	1.4	1.3	.5	.4	.2
295.	*	.1	1.3	1.3	1.2	1.2	.6	.4	.2
300.	*	.1	1.3	1.2	1.3	1.0	.5	.4	.2
305.	*	.1	1.3	1.2	1.2	1.0	.4	.3	.2
310.	*	.0	1.1	1.1	1.1	1.0	.4	.3	.2
315.	*	.0	1.1	1.2	1.0	1.1	.4	.3	.0
320.	*	.0	1.1	.9	1.0	.9	.4	.4	.1
325.	*	.0	.9	.9	.9	.9	.5	.3	.1
330.	*	.0	.9	.9	.9	1.0	.5	.2	.1
335.	*	.0	.9	1.0	.9	.9	.4	.1	.1
340.	*	.0	1.0	1.0	1.0	.8	.3	.2	.3
345.	*	.0	1.0	1.0	1.0	.7	.4	.5	.2
350.	*	.0	1.0	1.0	1.0	.8	.4	.5	.4
355.	*	.0	1.0	1.0	1.0	.8	.5	.5	.4
360.	*	.0	1.0	.9	1.0	.9	.6	.6	.4
MAX	*	1.3	1.6	1.6	1.5	1.5	.9	.8	.4
DEGR.	*	95	65	55	55	270	45	20	0

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 265 DEGREES FROM REC4 .
THE 2ND HIGHEST CONCENTRATION IS 1.60 PPM AT 275 DEGREES FROM REC6 .
THE 3RD HIGHEST CONCENTRATION IS 1.60 PPM AT 65 DEGREES FROM REC22.

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S3 US40 & Winans BDAM35                 60.0321.0.0000.000280.30480000    1    1
SE MID S                  927.      737.       5.0
SE 164 S                  865.      933.       5.0
SE 82 S                   841.     1012.       5.0
SE CNR                    818.     1090.       5.0
SE 82 E                   898.     1105.       5.0
SE 164 E                  979.     1121.       5.0
SE MID E                 1183.     1160.       5.0
NE MID E                 1193.     1274.       5.0
NE 164  E                 954.     1227.       5.0
NE 82 E                   874.     1211.       5.0
NE CNR                    796.     1198.       5.0
NE 82 N                   779.     1276.       5.0
NE 164 N                  760.     1355.       5.0
NE MID N                  658.     1584.       5.0
NW 164 N                  702.     1346.       5.0
NW 82 N                   723.     1266.       5.0
NW MID N                  605.     1561.       5.0
NW CNR                    733.     1187.       5.0
NW 82 W                   660.     1170.       5.0
NW 164 W                  578.     1155.       5.0
NW MID W                  389.     1118.       5.0
SW MID W                  405.     1009.       5.0
SW 164 W                  605.     1048.       5.0
SW 82 W                   686.     1064.       5.0
SW CNR                    765.     1076.       5.0
SW 82 S                   790.      999.       5.0
SW 164 S                  814.      922.       5.0
SW MID S                  877.      719.       5.0
Site 3 Build AM 2035                     44  1   0
  1
NB        Win       AG  1016.   171.   977.   513.    230. 7.8   0  32   30.
  1
NB        Win       AG   977.   513.   782.  1136.    230. 7.8   0  32   30.
  2
NB        Win       AG   798.  1085.   858.   891.      0.  12   1
       150       110       2.0  230   42.1 1073 1 3
  1
NB        Win dep   AG   782.  1136.   738.  1358.    130. 7.8   0  32   30.
  1
NB        Win dep   AG   738.  1358.   675.  1510.    130. 7.8   0  32   30.
  1
NB        Win dep   AG   675.  1510.   610.  1621.    130. 7.8   0  32   30.
  1
NB        Win dep   AG   610.  1621.   530.  1717.    130. 7.8   0  32   30.
  1
NB        Win dep   AG   530.  1717.   414.  1856.    130. 7.8   0  32   30.
  1
NB        Win dep   AG   414.  1856.   372.  1963.    130. 7.8   0  32   30.
  1
NB        Win dep   AG   372.  1963.   356.  2049.    130. 7.8   0  32   30.
  1
SB        Win       AG   340.  2038.   362.  1946.    260. 7.8   0  32   30.
  1
SB        Win       AG   362.  1946.   397.  1851.    260. 7.8   0  32   30.
  1
SB        Win       AG   397.  1851.   593.  1622.    260. 7.8   0  32   30.
  1
SB        Win       AG   593.  1622.   660.  1510.    260. 7.8   0  32   30.
  1
SB        Win       AG   660.  1510.   722.  1360.    260. 7.8   0  32   30.
  1
SB        Win       AG   722.  1360.   769.  1150.    260. 7.8   0  32   30.
  2
SB        Win       AG   759.  1197.   729.  1330.      0.  12   1
       150       110       2.0  260   42.1 1378 1 3
  1
SB        Win dep   AG   769.  1150.   785.  1074.    225. 7.8   0  32   30.
  1
SB        Win dep   AG   785.  1074.   964.   508.    225. 7.8   0  32   30.
  1
SB        Win dep   AG   964.   508.  1000.   166.    225. 7.8   0  32   30.
  1
EB        US40 ap   AG  -197.   913.   539.  1059.   2115. 7.8   0  44   35.
  1
EB        US40 thru AG   539.  1059.   784.  1107.   2075. 7.8   0  44   35.
  2
EB        US40 thru AG   750.  1101.   616.  1074.      0.  24   2
       150        50       2.0 2075   42.1 1696 1 3
  1
EB        US40 left AG   539.  1059.   616.  1091.     40. 7.8   0  32   35.
```

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  1
EB        US40 left AG   616.  1091.   780.  1123.     40. 7.8   0  32   35.
  2
EB        US40 left AG   744.  1116.   631.  1094.      0.  12   1
       150       140       2.0   40   42.1 1711 1 3
  1
EB        US40 dep  AG   784.  1107.  1199.  1186.   2125. 7.8   0  44   35.
  1
EB        US40 dep  AG  1199.  1186.  1326.  1206.   2125. 7.8   0  44   35.
  1
EB        US40 dep  AG  1326.  1206.  1436.  1217.   2125. 7.8   0  44   35.
  1
EB        US40 dep  AG  1436.  1217.  1598.  1225.   2125. 7.8   0  44   35.
  1
EB        US40 dep  AG  1598.  1225.  1773.  1234.   2125. 7.8   0  44   35.
  1
WB        US40 ap   AG  1765.  1298.  1439.  1280.   1715. 7.8   0  44   35.
  1
WB        US40 ap   AG  1439.  1280.  1323.  1269.   1715. 7.8   0  44   35.
  1
WB        US40 ap   AG  1323.  1269.  1188.  1250.   1715. 7.8   0  44   35.
  1
WB        US40 ap   AG  1188.  1250.   986.  1210.   1715. 7.8   0  44   35.
  1
WB        US40 th   AG   986.  1210.   940.  1195.   1660. 7.8   0  44   35.
  1
WB        US40 th   AG   940.  1195.   787.  1167.   1660. 7.8   0  44   35.
  2
WB        US40 th   AG   812.  1171.   928.  1193.      0.  24   2
       150        50       2.0 1660   42.1 1790 1 3
  1
WB        US40 left AG   986.  1210.   938.  1182.     55. 7.8   0  32   35.
  1
WB        US40 left AG   938.  1182.   790.  1154.     55. 7.8   0  32   35.
  2
WB        US40 left AG   813.  1158.   918.  1178.      0.  12   1
       150       140       2.0   55   42.1 1593 1 3
  1
WB        US40 dep  AG   787.  1167.   700.  1154.   1840. 7.8   0  44   35.
  1
WB        US40 dep  AG   700.  1154.   554.  1121.   1840. 7.8   0  44   35.
  1
WB        US40 dep  AG   554.  1121.  -210.   975.   1840. 7.8   0  56   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S3 US40 & Winans BDAM35 RUN: Site 3 Build AM 2035
DATE: 09/06/2012 TIME: 11:53:03.38

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	Win	*	1016.0	171.0	977.0	513.0	*	344.	353.	AG	230.	7.8	.0	32.0		
2. NB	Win	*	977.0	513.0	782.0	1136.0	*	653.	343.	AG	230.	7.8	.0	32.0		
3. NB	Win	*	798.0	1085.0	848.1	922.9	*	170.	163.	AG	83.	100.0	.0	12.0	.89	8.6
4. NB	Win dep	*	782.0	1136.0	738.0	1358.0	*	226.	349.	AG	130.	7.8	.0	32.0		
5. NB	Win dep	*	738.0	1358.0	675.0	1510.0	*	165.	337.	AG	130.	7.8	.0	32.0		
6. NB	Win dep	*	675.0	1510.0	610.0	1621.0	*	129.	330.	AG	130.	7.8	.0	32.0		
7. NB	Win dep	*	610.0	1621.0	530.0	1717.0	*	125.	320.	AG	130.	7.8	.0	32.0		
8. NB	Win dep	*	530.0	1717.0	414.0	1856.0	*	181.	320.	AG	130.	7.8	.0	32.0		
9. NB	Win dep	*	414.0	1856.0	372.0	1963.0	*	115.	339.	AG	130.	7.8	.0	32.0		
10. NB	Win dep	*	372.0	1963.0	356.0	2049.0	*	87.	349.	AG	130.	7.8	.0	32.0		
11. SB	Win	*	340.0	2038.0	362.0	1946.0	*	95.	167.	AG	260.	7.8	.0	32.0		
12. SB	Win	*	362.0	1946.0	397.0	1851.0	*	101.	160.	AG	260.	7.8	.0	32.0		
13. SB	Win	*	397.0	1851.0	593.0	1622.0	*	301.	139.	AG	260.	7.8	.0	32.0		
14. SB	Win	*	593.0	1622.0	660.0	1510.0	*	131.	149.	AG	260.	7.8	.0	32.0		
15. SB	Win	*	660.0	1510.0	722.0	1360.0	*	162.	158.	AG	260.	7.8	.0	32.0		
16. SB	Win	*	722.0	1360.0	769.0	1150.0	*	215.	167.	AG	260.	7.8	.0	32.0		
17. SB	Win	*	759.0	1197.0	722.7	1358.0	*	165.	347.	AG	83.	100.0	.0	12.0	.79	8.4
18. SB	Win dep	*	769.0	1150.0	785.0	1074.0	*	78.	168.	AG	225.	7.8	.0	32.0		
19. SB	Win dep	*	785.0	1074.0	964.0	508.0	*	594.	162.	AG	225.	7.8	.0	32.0		
20. SB	Win dep	*	964.0	508.0	1000.0	166.0	*	344.	174.	AG	225.	7.8	.0	32.0		
21. EB	US40 ap	*	-197.0	913.0	539.0	1059.0	*	750.	79.	AG	2115.	7.8	.0	44.0		
22. EB	US40 thru	*	539.0	1059.0	784.0	1107.0	*	250.	79.	AG	2075.	7.8	.0	44.0		
23. EB	US40 thru	*	750.0	1101.0	390.7	1028.6	*	366.	259.	AG	75.	100.0	.0	24.0	.96	18.6
24. EB	US40 left	*	539.0	1059.0	616.0	1091.0	*	83.	67.	AG	40.	7.8	.0	32.0		
25. EB	US40 left	*	616.0	1091.0	780.0	1123.0	*	167.	79.	AG	40.	7.8	.0	32.0		
26. EB	US40 left	*	744.0	1116.0	712.2	1109.8	*	32.	259.	AG	105.	100.0	.0	12.0	.59	1.6
27. EB	US40 dep	*	784.0	1107.0	1199.0	1186.0	*	422.	79.	AG	2125.	7.8	.0	44.0		
28. EB	US40 dep	*	1199.0	1186.0	1326.0	1206.0	*	129.	81.	AG	2125.	7.8	.0	44.0		
29. EB	US40 dep	*	1326.0	1206.0	1436.0	1217.0	*	111.	84.	AG	2125.	7.8	.0	44.0		
30. EB	US40 dep	*	1436.0	1217.0	1598.0	1225.0	*	162.	87.	AG	2125.	7.8	.0	44.0		
31. EB	US40 dep	*	1598.0	1225.0	1773.0	1234.0	*	175.	87.	AG	2125.	7.8	.0	44.0		
32. WB	US40 ap	*	1765.0	1298.0	1439.0	1280.0	*	326.	267.	AG	1715.	7.8	.0	44.0		
33. WB	US40 ap	*	1439.0	1280.0	1323.0	1269.0	*	117.	265.	AG	1715.	7.8	.0	44.0		
34. WB	US40 ap	*	1323.0	1269.0	1188.0	1250.0	*	136.	262.	AG	1715.	7.8	.0	44.0		
35. WB	US40 ap	*	1188.0	1250.0	986.0	1210.0	*	206.	259.	AG	1715.	7.8	.0	44.0		
36. WB	US40 th	*	986.0	1210.0	940.0	1195.0	*	48.	252.	AG	1660.	7.8	.0	44.0		
37. WB	US40 th	*	940.0	1195.0	787.0	1167.0	*	156.	260.	AG	1660.	7.8	.0	44.0		
38. WB	US40 th	*	812.0	1171.0	1035.0	1213.3	*	227.	79.	AG	75.	100.0	.0	24.0	.72	11.5
39. WB	US40 left	*	986.0	1210.0	938.0	1182.0	*	56.	240.	AG	55.	7.8	.0	32.0		
40. WB	US40 left	*	938.0	1182.0	790.0	1154.0	*	151.	259.	AG	55.	7.8	.0	32.0		
41. WB	US40 left	*	813.0	1158.0	872.2	1169.3	*	60.	79.	AG	105.	100.0	.0	12.0	.87	3.1
42. WB	US40 dep	*	787.0	1167.0	700.0	1154.0	*	88.	262.	AG	1840.	7.8	.0	44.0		
43. WB	US40 dep	*	700.0	1154.0	554.0	1121.0	*	150.	257.	AG	1840.	7.8	.0	44.0		
44. WB	US40 dep	*	554.0	1121.0	-210.0	975.0	*	778.	259.	AG	1840.	7.8	.0	56.0		

JOB: S3 US40 & Winans BDAM35 RUN: Site 3 Build AM 2035
DATE: 09/06/2012 TIME: 11:53:03.38

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. NB	Win	*	150	110	2.0	230	1073	42.10	1	3
17. SB	Win	*	150	110	2.0	260	1378	42.10	1	3
23. EB	US40 thru	*	150	50	2.0	2075	1696	42.10	1	3
26. EB	US40 left	*	150	140	2.0	40	1711	42.10	1	3
38. WB	US40 th	*	150	50	2.0	1660	1790	42.10	1	3
41. WB	US40 left	*	150	140	2.0	55	1593	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	927.0	737.0	5.0	*
2. SE 164 S	*	865.0	933.0	5.0	*
3. SE 82 S	*	841.0	1012.0	5.0	*
4. SE CNR	*	818.0	1090.0	5.0	*
5. SE 82 E	*	898.0	1105.0	5.0	*
6. SE 164 E	*	979.0	1121.0	5.0	*
7. SE MID E	*	1183.0	1160.0	5.0	*
8. NE MID E	*	1193.0	1274.0	5.0	*
9. NE 164 E	*	954.0	1227.0	5.0	*
10. NE 82 E	*	874.0	1211.0	5.0	*

11. NE CNR	*	796.0	1198.0	5.0	*
12. NE 82 N	*	779.0	1276.0	5.0	*
13. NE 164 N	*	760.0	1355.0	5.0	*
14. NE MID N	*	658.0	1584.0	5.0	*
15. NW 164 N	*	702.0	1346.0	5.0	*
16. NW 82 N	*	723.0	1266.0	5.0	*
17. NW MID N	*	605.0	1561.0	5.0	*
18. NW CNR	*	733.0	1187.0	5.0	*
19. NW 82 W	*	660.0	1170.0	5.0	*
20. NW 164 W	*	578.0	1155.0	5.0	*
21. NW MID W	*	389.0	1118.0	5.0	*
22. SW MID W	*	405.0	1009.0	5.0	*
23. SW 164 W	*	605.0	1048.0	5.0	*
24. SW 82 W	*	686.0	1064.0	5.0	*
25. SW CNR	*	765.0	1076.0	5.0	*
26. SW 82 S	*	790.0	999.0	5.0	*
27. SW 164 S	*	814.0	922.0	5.0	*
28. SW MID S	*	877.0	719.0	5.0	*

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JOB: S3 US40 & Winans BDAM35 RUN: Site 3 Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.2	.3	.9	.8	.8	.7	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
5.	.1	.2	.4	.9	.8	.8	.8	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
10.	.1	.3	.4	.9	.8	.8	.8	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
15.	.1	.3	.4	.9	.9	.8	.7	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
20.	.1	.2	.4	1.0	.9	.9	.8	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
25.	.1	.3	.4	1.0	.9	.9	.8	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.1	.0
30.	.1	.3	.4	1.0	1.0	.9	.9	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.1	.0
35.	.0	.3	.4	1.0	1.0	.9	.8	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.1	.0
40.	.0	.2	.3	1.0	1.0	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.3	.1	.0
45.	.0	.2	.3	1.1	1.0	.9	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.1	.2	.1	.0
50.	.0	.1	.3	1.1	1.1	1.0	1.0	.1	.0	.0	.0	.0	.0	.0	.1	.3	.1	.2	.1	.0
55.	.0	.1	.3	1.1	1.0	1.1	1.1	.1	.1	.0	.0	.0	.0	.0	.1	.3	.1	.2	.1	.1
60.	.0	.1	.3	1.2	.9	1.0	1.1	.1	.1	.0	.1	.0	.0	.0	.1	.3	.1	.2	.3	.1
65.	.0	.0	.2	1.1	.9	1.1	1.1	.1	.2	.2	.1	.0	.0	.0	.1	.3	.1	.3	.3	.1
70.	.0	.0	.1	.9	.9	1.1	1.1	.3	.3	.3	.3	.0	.0	.0	.2	.3	.1	.6	.3	.3
75.	.0	.0	.1	.9	.9	.8	1.0	.5	.5	.4	.4	.0	.0	.0	.2	.3	.1	.8	.7	.5
80.	.0	.0	.0	.7	.7	.7	.9	.6	.6	.7	.6	.0	.0	.0	.3	.3	.1	.7	.8	.6
85.	.0	.0	.0	.5	.5	.6	.7	.7	.9	.7	.8	.1	.0	.0	.3	.4	.1	.8	1.0	.7
90.	.0	.0	.0	.4	.4	.4	.5	.9	.9	1.0	1.0	.1	.0	.0	.3	.5	.1	1.1	.9	.9
95.	.0	.0	.0	.3	.3	.3	.3	.9	.9	1.1	.9	.2	.0	.0	.3	.5	.1	1.2	1.0	1.0
100.	.0	.0	.0	.2	.2	.2	.1	1.0	1.0	.9	1.2	.2	.1	.0	.4	.7	.1	1.2	1.0	.8
105.	.0	.0	.0	.1	.1	.1	.1	1.1	1.1	1.1	1.1	.3	.1	.0	.5	.7	.1	1.1	1.0	1.0
110.	.0	.0	.0	.1	.1	.1	.0	1.0	.9	1.1	1.1	.4	.2	.0	.5	.7	.1	1.1	.9	.9
115.	.0	.0	.0	.1	.1	.1	.0	.8	1.0	1.0	1.1	.5	.2	.0	.5	.7	.1	1.1	.9	.9
120.	.0	.0	.0	.1	.1	.1	.0	.8	1.0	1.0	1.1	.4	.2	.0	.5	.7	.1	.9	.9	.8
125.	.0	.0	.0	.1	.1	.1	.0	.8	1.0	.9	1.0	.4	.2	.0	.5	.7	.2	.8	.8	.9
130.	.0	.0	.0	.0	.0	.1	.0	.8	1.0	.9	1.0	.4	.3	.1	.5	.7	.2	.7	.9	.9
135.	.0	.0	.0	.0	.0	.0	.0	.7	.9	.9	.9	.5	.3	.1	.5	.6	.2	.7	.8	.9
140.	.0	.0	.0	.0	.0	.0	.0	.7	1.0	.9	.9	.5	.3	.1	.5	.6	.2	.7	.8	.7
145.	.0	.0	.0	.0	.0	.0	.0	.6	1.0	.9	.9	.5	.3	.1	.5	.6	.1	.7	.7	.7
150.	.0	.0	.0	.0	.0	.0	.0	.6	.9	.9	.8	.5	.2	.1	.5	.6	.1	.7	.8	.7
155.	.0	.1	.1	.1	.0	.0	.0	.6	.9	.9	.9	.4	.2	.1	.6	.6	.0	.8	.9	.8
160.	.1	.1	.2	.2	.0	.0	.0	.6	.9	.9	.8	.2	.2	.1	.5	.5	.0	.8	.9	.8
165.	.1	.1	.2	.2	.0	.0	.0	.7	.9	.9	.8	.2	.2	.0	.4	.6	.1	.6	.9	.8
170.	.1	.1	.2	.3	.0	.0	.0	.8	.9	.9	.7	.3	.4	.0	.3	.4	.1	.7	.9	.8
175.	.1	.2	.4	.4	.0	.0	.0	.7	.9	1.0	.9	.4	.4	.1	.3	.3	.1	.9	.9	.7
180.	.1	.2	.4	.4	.0	.0	.0	.7	.9	1.0	.8	.4	.3	.1	.3	.2	.1	.8	.9	.7
185.	.2	.2	.4	.4	.0	.0	.0	.8	.9	1.0	.7	.4	.4	.1	.2	.4	.0	.8	.8	.7
190.	.2	.2	.4	.4	.0	.0	.0	.7	.9	1.1	.6	.3	.4	.0	.2	.5	.0	.8	.8	.9
195.	.2	.2	.4	.4	.0	.0	.0	.7	.9	1.1	.7	.3	.6	.0	.2	.5	.2	.8	.8	.9
200.	.2	.2	.4	.3	.1	.0	.0	.7	1.0	1.0	.7	.4	.6	.2	.2	.5	.2	.8	.8	.8
205.	.2	.2	.4	.3	.1	.0	.0	.7	1.0	.9	.7	.7	.5	.2	.2	.4	.2	.9	.8	.8

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JOB: S3 US40 & Winans BDAM35 RUN: Site 3 Build AM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.1	.1	.3	.3	.1	.1	.1	.8	1.0	1.0	.7	.7	.5	.2	.4	.4	.2	.9	.8	.9
215.	.1	.1	.3	.3	.2	.1	.1	.8	1.0	1.0	.8	.6	.6	.2	.3	.5	.2	1.0	.9	1.0
220.	.1	.1	.3	.3	.2	.1	.1	.8	.9	1.1	.9	.7	.6	.2	.2	.6	.2	.8	1.0	.9
225.	.1	.2	.3	.3	.2	.1	.1	.9	1.0	1.2	1.0	.7	.5	.2	.2	.5	.2	.9	1.1	.9
230.	.1	.2	.3	.3	.2	.1	.1	.9	1.0	1.2	1.0	.6	.4	.2	.2	.4	.2	1.0	1.1	1.0
235.	.1	.2	.3	.4	.2	.1	.2	.9	1.1	1.2	1.1	.5	.4	.0	.2	.3	.0	1.1	1.2	1.0
240.	.1	.2	.3	.4	.3	.2	.2	1.0	1.3	1.3	1.2	.4	.3	.0	.2	.5	.0	1.1	1.1	1.0
245.	.1	.2	.3	.7	.5	.4	.3	1.2	1.5	1.2	1.0	.5	.3	.0	.2	.3	.0	1.2	1.1	1.0
250.	.1	.2	.3	.9	.8	.6	.5	1.3	1.2	1.0	1.1	.3	.3	.0	.2	.3	.0	1.1	1.0	.9

255. *	.1	.3	.4	1.2	.9	.9	.9	1.2	.9	.9	.9	.3	.2	.0	.1	.2	.0	.8	.9	.8
260. *	.1	.4	.5	1.2	1.0	1.0	1.0	.9	.8	.7	.6	.3	.1	.0	.0	.1	.0	.6	.7	.7
265. *	.1	.4	.6	1.6	1.1	1.2	1.2	.4	.6	.6	.6	.2	.1	.0	.0	.1	.0	.6	.5	.5
270. *	.1	.5	.8	1.5	1.3	1.4	1.4	.2	.2	.4	.4	.1	.1	.0	.0	.0	.0	.2	.4	.3
275. *	.1	.5	.7	1.4	1.3	1.4	1.2	.2	.1	.2	.4	.1	.1	.0	.0	.0	.0	.2	.2	.2
280. *	.2	.5	.8	1.3	1.2	1.3	1.1	.1	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.2	.1
285. *	.3	.6	.9	1.2	1.2	1.1	1.0	.1	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1
290. *	.3	.7	.9	1.3	1.1	1.1	1.1	.0	.0	.1	.2	.1	.0	.0	.0	.0	.0	.0	.1	.0
295. *	.3	.7	.8	1.0	.9	1.0	.9	.0	.0	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
300. *	.4	.8	.7	1.0	.9	1.0	.9	.0	.0	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
305. *	.4	.7	.7	1.0	1.0	.9	.8	.0	.0	.1	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
310. *	.3	.7	.8	1.1	1.1	.9	.8	.0	.0	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
315. *	.3	.5	.7	.9	1.0	.9	.8	.0	.0	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
320. *	.3	.5	.8	.9	.9	.9	.8	.0	.0	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
325. *	.3	.4	.6	.8	.9	.8	.7	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
330. *	.3	.6	.5	.9	.9	.8	.7	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
335. *	.2	.6	.5	.8	.9	.8	.7	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
340. *	.1	.5	.7	.9	.9	.8	.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
345. *	.2	.4	.5	.9	.9	.8	.8	.0	.0	.0	.1	.0	.0	.0	.1	.1	.1	.1	.0	.0
350. *	.2	.3	.3	.9	.9	.8	.8	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.0	.0
355. *	.1	.3	.3	.9	.9	.9	.8	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.2	.0	.0
360. *	.1	.2	.3	.9	.8	.8	.7	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
MAX *	.4	.8	.9	1.6	1.3	1.4	1.4	1.3	1.5	1.3	1.2	.7	.6	.2	.6	.7	.2	1.2	1.2	1.0
DEGR. *	300	300	285	265	270	270	270	250	245	240	100	205	195	200	155	100	125	95	235	95

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JOB: S3 US40 & Winans BDAM35 RUN: Site 3 Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.9	.9	1.0	.9	.6	.5	.3
5. *	.0	.9	.9	.9	1.1	.5	.6	.3
10. *	.0	.9	.9	.9	.8	.5	.6	.3
15. *	.0	.9	.9	1.0	.8	.6	.6	.3
20. *	.0	1.0	.9	1.0	.9	.7	.6	.3
25. *	.0	1.0	1.0	1.1	.9	.7	.7	.3
30. *	.0	1.1	1.0	1.1	1.0	.8	.6	.3
35. *	.1	1.1	1.1	1.2	1.1	.6	.6	.1
40. *	.1	1.2	1.2	1.1	1.2	.6	.6	.1
45. *	.1	1.3	1.2	1.2	1.1	.5	.4	.1
50. *	.1	1.4	1.3	1.3	1.2	.5	.3	.1
55. *	.1	1.4	1.4	1.4	1.1	.5	.3	.1
60. *	.1	1.3	1.2	1.3	1.2	.5	.3	.1
65. *	.2	1.5	1.3	1.3	1.2	.4	.2	.1
70. *	.4	1.4	1.2	1.2	1.0	.3	.2	.1
75. *	.6	1.2	1.1	1.0	1.0	.3	.2	.1
80. *	.7	1.0	.8	.8	.7	.2	.2	.1
85. *	.8	.7	.7	.5	.5	.2	.2	.1
90. *	.9	.6	.5	.5	.4	.2	.2	.1
95. *	1.1	.4	.3	.4	.3	.2	.2	.1
100. *	1.2	.1	.1	.3	.2	.2	.1	.1
105. *	1.1	.1	.1	.2	.1	.3	.1	.1
110. *	.9	.1	.1	.2	.1	.3	.1	.1
115. *	1.0	.1	.1	.2	.4	.4	.2	.2
120. *	.9	.1	.1	.2	.4	.4	.2	.2
125. *	.9	.1	.1	.2	.4	.3	.2	.2
130. *	.8	.0	.0	.0	.4	.3	.2	.2
135. *	.8	.0	.0	.0	.4	.3	.2	.2
140. *	.8	.0	.0	.0	.4	.3	.2	.2
145. *	.7	.0	.0	.0	.3	.3	.2	.2
150. *	.8	.0	.0	.0	.3	.3	.2	.1
155. *	.8	.0	.0	.0	.3	.2	.1	.1
160. *	.9	.0	.0	.0	.2	.1	.1	.1
165. *	.9	.0	.0	.0	.1	.1	.1	.1
170. *	.9	.0	.0	.0	.1	.1	.1	.0
175. *	.9	.0	.0	.0	.0	.0	.0	.0
180. *	.7	.0	.0	.0	.0	.0	.0	.0
185. *	.7	.0	.0	.0	.0	.0	.0	.0
190. *	.7	.0	.0	.0	.0	.0	.0	.0
195. *	.7	.0	.0	.0	.0	.0	.0	.0
200. *	.8	.0	.0	.0	.0	.0	.0	.0
205. *	.8	.0	.0	.0	.0	.0	.0	.0

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JOB: S3 US40 & Winans BDAM35 RUN: Site 3 Build AM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) * CONCENTRATION (PPM) REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.8	.1	.0	.0	.0	.0	.0	.0
215.	*	.8	.1	.1	.1	.0	.0	.0	.0
220.	*	.9	.1	.1	.1	.0	.0	.0	.0
225.	*	.9	.1	.1	.1	.0	.0	.0	.0
230.	*	.9	.1	.1	.1	.1	.0	.0	.0
235.	*	1.0	.2	.2	.1	.1	.0	.0	.0
240.	*	1.0	.2	.2	.3	.1	.0	.0	.0
245.	*	1.0	.3	.4	.4	.4	.0	.0	.0
250.	*	.9	.5	.7	.7	.6	.0	.0	.0
255.	*	.9	.7	.9	.8	.8	.1	.0	.0
260.	*	.7	.9	1.2	1.2	1.0	.2	.1	.0
265.	*	.6	1.1	1.3	1.3	1.2	.3	.1	.0
270.	*	.4	1.1	1.4	1.4	1.4	.4	.2	.0
275.	*	.2	1.2	1.5	1.5	1.3	.5	.2	.0
280.	*	.2	1.1	1.4	1.4	1.3	.4	.2	.1
285.	*	.1	1.1	1.4	1.4	1.3	.4	.2	.2
290.	*	.1	1.1	1.4	1.4	1.2	.6	.3	.2
295.	*	.1	1.0	1.3	1.2	1.2	.6	.4	.2
300.	*	.1	1.0	1.2	1.2	1.1	.5	.4	.2
305.	*	.1	1.0	1.1	1.1	1.1	.4	.3	.2
310.	*	.0	1.0	1.0	1.0	1.2	.4	.4	.2
315.	*	.0	1.0	1.0	1.0	.9	.4	.3	.1
320.	*	.0	.9	.9	.9	.9	.4	.3	.1
325.	*	.0	.9	.9	.9	.9	.5	.2	.1
330.	*	.0	.9	.9	.9	1.0	.5	.2	.1
335.	*	.0	1.0	1.0	.9	.9	.3	.1	.1
340.	*	.0	1.0	1.0	.9	.9	.3	.3	.2
345.	*	.0	1.0	1.0	1.0	.8	.4	.5	.1
350.	*	.0	1.0	1.0	1.0	.8	.4	.5	.2
355.	*	.0	1.0	.9	.9	.8	.6	.5	.3
360.	*	.0	.9	.9	1.0	.9	.6	.5	.3
MAX	*	1.2	1.5	1.5	1.5	1.4	.8	.7	.3
DEGR.	*	100	65	275	275	270	30	25	0

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 265 DEGREES FROM REC4 .
THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 245 DEGREES FROM REC9 .
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 65 DEGREES FROM REC22.

```
S3 US40 & Winans BDPM21                 60.0321.0.0000.000280.30480000    1    1
SE MID S                  927.      737.       5.0
SE 164 S                  865.      933.       5.0
SE 82 S                   841.     1012.       5.0
SE CNR                    818.     1090.       5.0
SE 82 E                   898.     1105.       5.0
SE 164 E                  979.     1121.       5.0
SE MID E                 1183.     1160.       5.0
NE MID E                 1193.     1274.       5.0
NE 164  E                 954.     1227.       5.0
NE 82 E                   874.     1211.       5.0
NE CNR                    796.     1198.       5.0
NE 82 N                   779.     1276.       5.0
NE 164 N                  760.     1355.       5.0
NE MID N                  658.     1584.       5.0
NW 164 N                  702.     1346.       5.0
NW 82 N                   723.     1266.       5.0
NW MID N                  605.     1561.       5.0
NW CNR                    733.     1187.       5.0
NW 82 W                   660.     1170.       5.0
NW 164 W                  578.     1155.       5.0
NW MID W                  389.     1118.       5.0
SW MID W                  405.     1009.       5.0
SW 164 W                  605.     1048.       5.0
SW 82 W                   686.     1064.       5.0
SW CNR                    765.     1076.       5.0
SW 82 S                   790.      999.       5.0
SW 164 S                  814.      922.       5.0
SW MID S                  877.      719.       5.0
Site 3 Build PM 2021                     44  1   0
  1
NB        Win       AG  1016.   171.   977.   513.    350. 8.1   0  32   30.
  1
NB        Win       AG   977.   513.   782.  1136.    350. 8.1   0  32   30.
  2
NB        Win       AG   798.  1085.   858.   891.      0.  12   1
       150       104      2.0  350   43.6 1232 1 3
  1
NB        Win dep   AG   782.  1136.   738.  1358.     80. 8.1   0  32   30.
  1
NB        Win dep   AG   738.  1358.   675.  1510.     80. 8.1   0  32   30.
  1
NB        Win dep   AG   675.  1510.   610.  1621.     80. 8.1   0  32   30.
  1
NB        Win dep   AG   610.  1621.   530.  1717.     80. 8.1   0  32   30.
  1
NB        Win dep   AG   530.  1717.   414.  1856.     80. 8.1   0  32   30.
  1
NB        Win dep   AG   414.  1856.   372.  1963.     80. 8.1   0  32   30.
  1
NB        Win dep   AG   372.  1963.   356.  2049.     80. 8.1   0  32   30.
  1
SB        Win       AG   340.  2038.   362.  1946.    120. 8.1   0  32   30.
  1
SB        Win       AG   362.  1946.   397.  1851.    120. 8.1   0  32   30.
  1
SB        Win       AG   397.  1851.   593.  1622.    120. 8.1   0  32   30.
  1
SB        Win       AG   593.  1622.   660.  1510.    120. 8.1   0  32   30.
  1
SB        Win       AG   660.  1510.   722.  1360.    120. 8.1   0  32   30.
  1
SB        Win       AG   722.  1360.   769.  1150.    120. 8.1   0  32   30.
  2
SB        Win       AG   759.  1197.   729.  1330.      0.  12   1
       150       104      2.0  120   43.6 1414 1 3
  1
SB        Win dep   AG   769.  1150.   785.  1074.    200. 8.1   0  32   30.
  1
SB        Win dep   AG   785.  1074.   964.   508.    200. 8.1   0  32   30.
  1
SB        Win dep   AG   964.   508.  1000.   166.    200. 8.1   0  32   30.
  1
EB        US40 ap   AG  -197.   913.   539.  1059.   1725. 8.1   0  44   35.
  1
EB        US40 thru AG   539.  1059.   784.  1107.   1700. 8.1   0  44   35.
  2
EB        US40 thru AG   750.  1101.   616.  1074.      0.  24   2
       150        55      2.0 1700   43.6 1690 1 3
  1
EB        US40 left AG   539.  1059.   616.  1091.     25. 8.1   0  32   35.
```

```
  1
EB        US40 left AG   616.  1091.   780.  1123.     25. 8.1   0  32   35.
  2
EB        US40 left AG   744.  1116.   631.  1094.      0.  12   1
       150       143       2.0   25   43.6 1711 1 3
  1
EB        US40 dep  AG   784.  1107.  1199.  1186.   1675. 8.1   0  44   35.
  1
EB        US40 dep  AG  1199.  1186.  1326.  1206.   1675. 8.1   0  44   35.
  1
EB        US40 dep  AG  1326.  1206.  1436.  1217.   1675. 8.1   0  44   35.
  1
EB        US40 dep  AG  1436.  1217.  1598.  1225.   1675. 8.1   0  44   35.
  1
EB        US40 dep  AG  1598.  1225.  1773.  1234.   1675. 8.1   0  44   35.
  1
WB        US40 ap   AG  1765.  1298.  1439.  1280.   1675. 8.1   0  44   35.
  1
WB        US40 ap   AG  1439.  1280.  1323.  1269.   1675. 8.1   0  44   35.
  1
WB        US40 ap   AG  1323.  1269.  1188.  1250.   1675. 8.1   0  44   35.
  1
WB        US40 ap   AG  1188.  1250.   986.  1210.   1675. 8.1   0  44   35.
  1
WB        US40 th   AG   986.  1210.   940.  1195.   1635. 8.1   0  44   35.
  1
WB        US40 th   AG   940.  1195.   787.  1167.   1635. 8.1   0  44   35.
  2
WB        US40 th   AG   812.  1171.   928.  1193.      0.  24   2
       150        53       2.0 1635   43.6 1798 1 3
  1
WB        US40 left AG   986.  1210.   938.  1182.     40. 8.1   0  32   35.
  1
WB        US40 left AG   938.  1182.   790.  1154.     40. 8.1   0  32   35.
  2
WB        US40 left AG   813.  1158.   918.  1178.      0.  12   1
       150       141       2.0   40   43.6 1593 1 3
  1
WB        US40 dep  AG   787.  1167.   700.  1154.   2470. 8.1   0  44   35.
  1
WB        US40 dep  AG   700.  1154.   554.  1121.   2470. 8.1   0  44   35.
  1
WB        US40 dep  AG   554.  1121.  -210.   975.   2470. 8.1   0  56   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S3 US40 & Winans BDPM21 RUN: Site 3 Build PM 2021
DATE: 09/06/2012 TIME: 12:13:34.26

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	Win	1016.0	171.0	977.0	513.0	344.	353.	AG	350.	8.1	.0	32.0		
2. NB	Win	977.0	513.0	782.0	1136.0	653.	343.	AG	350.	8.1	.0	32.0		
3. NB	Win	798.0	1085.0	1751.8	-1998.9	3228.	163.	AG	81.	100.0	.0	12.0	5.47	164.0
4. NB	Win dep	782.0	1136.0	738.0	1358.0	226.	349.	AG	80.	8.1	.0	32.0		
5. NB	Win dep	738.0	1358.0	675.0	1510.0	165.	337.	AG	80.	8.1	.0	32.0		
6. NB	Win dep	675.0	1510.0	610.0	1621.0	129.	330.	AG	80.	8.1	.0	32.0		
7. NB	Win dep	610.0	1621.0	530.0	1717.0	125.	320.	AG	80.	8.1	.0	32.0		
8. NB	Win dep	530.0	1717.0	414.0	1856.0	181.	320.	AG	80.	8.1	.0	32.0		
9. NB	Win dep	414.0	1856.0	372.0	1963.0	115.	339.	AG	80.	8.1	.0	32.0		
10. NB	Win dep	372.0	1963.0	356.0	2049.0	87.	349.	AG	80.	8.1	.0	32.0		
11. SB	Win	340.0	2038.0	362.0	1946.0	95.	167.	AG	120.	8.1	.0	32.0		
12. SB	Win	362.0	1946.0	397.0	1851.0	101.	160.	AG	120.	8.1	.0	32.0		
13. SB	Win	397.0	1851.0	593.0	1622.0	301.	139.	AG	120.	8.1	.0	32.0		
14. SB	Win	593.0	1622.0	660.0	1510.0	131.	149.	AG	120.	8.1	.0	32.0		
15. SB	Win	660.0	1510.0	722.0	1360.0	162.	158.	AG	120.	8.1	.0	32.0		
16. SB	Win	722.0	1360.0	769.0	1150.0	215.	167.	AG	120.	8.1	.0	32.0		
17. SB	Win	759.0	1197.0	744.0	1263.6	68.	347.	AG	81.	100.0	.0	12.0	.30	3.5
18. SB	Win dep	769.0	1150.0	785.0	1074.0	78.	168.	AG	200.	8.1	.0	32.0		
19. SB	Win dep	785.0	1074.0	964.0	508.0	594.	162.	AG	200.	8.1	.0	32.0		
20. SB	Win dep	964.0	508.0	1000.0	166.0	344.	174.	AG	200.	8.1	.0	32.0		
21. EB	US40 ap	-197.0	913.0	539.0	1059.0	750.	79.	AG	1725.	8.1	.0	44.0		
22. EB	US40 thru	539.0	1059.0	784.0	1107.0	250.	79.	AG	1700.	8.1	.0	44.0		
23. EB	US40 thru	750.0	1101.0	499.4	1050.5	256.	259.	AG	86.	100.0	.0	24.0	.83	13.0
24. EB	US40 left	539.0	1059.0	616.0	1091.0	83.	67.	AG	25.	8.1	.0	32.0		
25. EB	US40 left	616.0	1091.0	780.0	1123.0	167.	79.	AG	25.	8.1	.0	32.0		
26. EB	US40 left	744.0	1116.0	718.8	1111.1	26.	259.	AG	111.	100.0	.0	12.0	.74	1.3
27. EB	US40 dep	784.0	1107.0	1199.0	1186.0	422.	79.	AG	1675.	8.1	.0	44.0		
28. EB	US40 dep	1199.0	1186.0	1326.0	1206.0	129.	81.	AG	1675.	8.1	.0	44.0		
29. EB	US40 dep	1326.0	1206.0	1436.0	1217.0	111.	84.	AG	1675.	8.1	.0	44.0		
30. EB	US40 dep	1436.0	1217.0	1598.0	1225.0	162.	87.	AG	1675.	8.1	.0	44.0		
31. EB	US40 dep	1598.0	1225.0	1773.0	1234.0	175.	87.	AG	1675.	8.1	.0	44.0		
32. WB	US40 ap	1765.0	1298.0	1439.0	1280.0	326.	267.	AG	1675.	8.1	.0	44.0		
33. WB	US40 ap	1439.0	1280.0	1323.0	1269.0	117.	265.	AG	1675.	8.1	.0	44.0		
34. WB	US40 ap	1323.0	1269.0	1188.0	1250.0	136.	262.	AG	1675.	8.1	.0	44.0		
35. WB	US40 ap	1188.0	1250.0	986.0	1210.0	206.	259.	AG	1675.	8.1	.0	44.0		
36. WB	US40 th	986.0	1210.0	940.0	1195.0	48.	252.	AG	1635.	8.1	.0	44.0		
37. WB	US40 th	940.0	1195.0	787.0	1167.0	156.	260.	AG	1635.	8.1	.0	44.0		
38. WB	US40 th	812.0	1171.0	1044.6	1215.1	237.	79.	AG	83.	100.0	.0	24.0	.73	12.0
39. WB	US40 left	986.0	1210.0	938.0	1182.0	56.	240.	AG	40.	8.1	.0	32.0		
40. WB	US40 left	938.0	1182.0	790.0	1154.0	151.	259.	AG	40.	8.1	.0	32.0		
41. WB	US40 left	813.0	1158.0	850.9	1165.2	39.	79.	AG	110.	100.0	.0	12.0	.75	2.0
42. WB	US40 dep	787.0	1167.0	700.0	1154.0	88.	262.	AG	2470.	8.1	.0	44.0		
43. WB	US40 dep	700.0	1154.0	554.0	1121.0	150.	257.	AG	2470.	8.1	.0	44.0		
44. WB	US40 dep	554.0	1121.0	-210.0	975.0	778.	259.	AG	2470.	8.1	.0	56.0		

JOB: S3 US40 & Winans BDPM21 RUN: Site 3 Build PM 2021
DATE: 09/06/2012 TIME: 12:13:34.26

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. NB	Win	150	104	2.0	350	232	43.60	1	3
17. SB	Win	150	104	2.0	120	1414	43.60	1	3
23. EB	US40 thru	150	55	2.0	1700	1690	43.60	1	3
26. EB	US40 left	150	143	2.0	25	1711	43.60	1	3
38. WB	US40 th	150	53	2.0	1635	1798	43.60	1	3
41. WB	US40 left	150	141	2.0	40	1593	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	927.0	737.0	5.0
2. SE 164 S	865.0	933.0	5.0
3. SE 82 S	841.0	1012.0	5.0
4. SE CNR	818.0	1090.0	5.0
5. SE 82 E	898.0	1105.0	5.0
6. SE 164 E	979.0	1121.0	5.0
7. SE MID E	1183.0	1160.0	5.0
8. NE MID E	1193.0	1274.0	5.0
9. NE 164 E	954.0	1227.0	5.0
10. NE 82 E	874.0	1211.0	5.0

11. NE CNR	*	796.0	1198.0	5.0	*
12. NE 82 N	*	779.0	1276.0	5.0	*
13. NE 164 N	*	760.0	1355.0	5.0	*
14. NE MID N	*	658.0	1584.0	5.0	*
15. NW 164 N	*	702.0	1346.0	5.0	*
16. NW 82 N	*	723.0	1266.0	5.0	*
17. NW MID N	*	605.0	1561.0	5.0	*
18. NW CNR	*	733.0	1187.0	5.0	*
19. NW 82 W	*	660.0	1170.0	5.0	*
20. NW 164 W	*	578.0	1155.0	5.0	*
21. NW MID W	*	389.0	1118.0	5.0	*
22. SW MID W	*	405.0	1009.0	5.0	*
23. SW 164 W	*	605.0	1048.0	5.0	*
24. SW 82 W	*	686.0	1064.0	5.0	*
25. SW CNR	*	765.0	1076.0	5.0	*
26. SW 82 S	*	790.0	999.0	5.0	*
27. SW 164 S	*	814.0	922.0	5.0	*
28. SW MID S	*	877.0	719.0	5.0	*

1

JOB: S3 US40 & Winans BDPM21 RUN: Site 3 Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.2	.4	.8	.7	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
5.	.1	.2	.4	.8	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
10.	.1	.2	.4	.8	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
15.	.1	.2	.4	.8	.8	.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
20.	.1	.1	.4	.9	.8	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
25.	.1	.2	.4	.9	.8	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
30.	.0	.2	.4	.8	.9	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
35.	.0	.2	.4	.8	.9	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
40.	.0	.2	.4	.9	.9	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
45.	.0	.2	.3	1.0	.9	.8	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
50.	.0	.1	.3	.9	.9	.8	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1
55.	.0	.1	.3	1.0	.8	.9	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1
60.	.0	.0	.3	1.0	.8	.9	1.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	.3	.1
65.	.0	.0	.1	.9	.8	1.0	1.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0	.3	.3	.3
70.	.0	.0	.1	.8	.8	.9	1.0	.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.5	.4	.3
75.	.0	.0	.1	.7	.7	.8	1.0	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.6	.8	.6
80.	.0	.0	.0	.6	.5	.6	.7	.6	.7	.7	.6	.0	.0	.0	.0	.0	.0	.7	1.0	.7
85.	.0	.0	.0	.4	.4	.5	.7	.6	.7	.8	.8	.1	.0	.0	.0	.2	.0	.7	1.1	.9
90.	.0	.0	.0	.3	.3	.3	.5	.8	1.0	.9	.9	.1	.0	.0	.0	.2	.0	1.0	1.1	1.1
95.	.0	.0	.0	.2	.2	.2	.1	.9	.9	1.0	1.0	.2	.0	.0	.0	.3	.0	1.1	1.2	1.1
100.	.0	.0	.0	.2	.1	.1	.1	1.0	1.0	.9	1.0	.2	.1	.0	.1	.5	.0	1.0	1.1	1.0
105.	.0	.0	.0	.1	.1	.1	.0	1.1	1.0	1.0	.9	.3	.1	.0	.2	.5	.0	1.0	1.2	1.2
110.	.0	.0	.0	.1	.1	.1	.0	1.0	.9	1.1	1.0	.4	.2	.0	.2	.4	.0	1.0	1.2	1.2
115.	.0	.0	.0	.1	.1	.1	.0	.8	1.0	.9	1.0	.4	.2	.0	.2	.5	.0	1.0	1.0	1.0
120.	.0	.0	.0	.0	.0	.1	.0	.7	.9	.9	1.0	.3	.2	.0	.3	.5	.0	.9	1.0	1.0
125.	.0	.0	.0	.0	.0	.0	.0	.8	.9	.8	1.0	.3	.3	.0	.3	.6	.0	.9	1.2	1.1
130.	.0	.0	.0	.0	.0	.0	.0	.7	.9	.8	.9	.4	.3	.0	.3	.5	.1	.9	1.2	1.1
135.	.0	.0	.0	.0	.0	.0	.0	.7	.9	.8	.9	.4	.3	.1	.2	.5	.1	.9	1.1	1.0
140.	.0	.0	.0	.0	.0	.0	.0	.7	.9	.8	.8	.4	.3	.1	.2	.5	.1	1.0	1.1	1.0
145.	.1	.1	.1	.1	.0	.0	.0	.6	.9	.8	.8	.4	.3	.1	.2	.6	.1	1.0	1.0	1.0
150.	.1	.2	.2	.2	.0	.0	.0	.6	.8	.8	.9	.4	.3	.1	.4	.7	.0	1.0	1.0	1.0
155.	.3	.3	.3	.3	.0	.0	.0	.6	.8	.8	.9	.5	.3	.0	.4	.7	.1	1.0	1.0	1.0
160.	.3	.3	.3	.3	.1	.0	.0	.6	.8	.9	1.0	.3	.3	.1	.3	.6	.1	1.0	1.1	1.0
165.	.4	.4	.4	.4	.1	.0	.0	.7	.8	.9	1.0	.4	.4	.1	.3	.5	.1	1.0	1.1	.9
170.	.4	.4	.4	.4	.1	.1	.0	.7	.9	.9	1.0	.4	.4	.1	.3	.5	.1	1.0	1.0	.9
175.	.4	.5	.6	.4	.1	.1	.0	.7	.9	.9	.9	.5	.3	.0	.3	.4	.1	1.0	1.0	.9
180.	.4	.6	.6	.5	.1	.1	.0	.6	.9	.9	.8	.6	.3	.1	.3	.5	.1	1.0	.9	.9
185.	.4	.5	.5	.5	.1	.1	.0	.7	1.0	.9	.9	.5	.3	.1	.3	.5	.1	1.0	.9	1.0
190.	.4	.5	.5	.4	.1	.1	.0	.6	.9	.9	.9	.4	.3	.0	.2	.4	.1	.9	.9	1.1
195.	.3	.5	.4	.3	.1	.1	.0	.7	1.0	.9	.7	.4	.3	.1	.2	.5	.1	1.0	1.0	.9
200.	.3	.3	.3	.3	.1	.1	.0	.7	1.0	1.0	.8	.6	.3	.1	.2	.5	.2	1.0	1.0	1.0
205.	.3	.3	.3	.3	.1	.1	.0	.7	1.0	1.0	.9	.6	.3	.2	.3	.5	.2	.9	1.0	1.0

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JOB: S3 US40 & Winans BDPM21 RUN: Site 3 Build PM 2021

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.3	.3	.3	.3	.1	.1	.0	.7	.9	1.0	.8	.6	.2	.2	.4	.4	.2	1.0	1.0	1.2
215.	.3	.3	.3	.3	.1	.1	.1	.7	.9	1.1	.9	.5	.4	.2	.3	.5	.2	1.0	1.2	1.2
220.	.3	.3	.3	.3	.1	.2	.1	.7	.9	1.1	1.0	.6	.3	.2	.3	.6	.2	1.1	1.3	1.1
225.	.3	.3	.3	.3	.2	.2	.1	.8	1.1	1.1	1.0	.8	.3	.2	.3	.5	.2	1.1	1.2	1.0
230.	.3	.3	.3	.3	.2	.1	.1	.8	1.1	1.3	1.1	.6	.4	.1	.3	.5	.1	1.3	1.2	1.0
235.	.3	.3	.3	.4	.2	.1	.1	.8	1.0	1.4	1.3	.7	.3	.1	.3	.4	.1	1.2	1.4	1.2
240.	.3	.3	.3	.4	.2	.2	.2	1.0	1.4	1.4	1.3	.5	.3	.0	.3	.4	.0	1.3	1.4	1.2
245.	.3	.3	.3	.7	.4	.3	.3	1.1	1.4	1.2	1.2	.5	.3	.0	.3	.5	.0	1.4	1.3	1.2
250.	.3	.3	.3	.8	.7	.6	.4	1.1	1.2	1.2	1.1	.5	.2	.0	.1	.3	.0	1.4	1.2	1.2

255. *	.3	.3	.4	.9	.8	.7	.7	1.1	1.0	1.1	1.0	.4	.1	.0	.1	.3	.0	1.0	1.2	1.0
260. *	.3	.3	.5	1.3	1.1	1.0	.9	.9	.8	.9	.8	.1	.1	.0	.0	.1	.0	.9	.9	.9
265. *	.3	.5	.5	1.4	1.1	1.2	1.1	.5	.7	.6	.8	.1	.0	.0	.0	.1	.0	.7	.7	.6
270. *	.3	.5	.7	1.4	1.3	1.2	1.1	.4	.3	.4	.4	.0	.0	.0	.0	.0	.0	.5	.4	.4
275. *	.3	.5	.8	1.4	1.3	1.1	1.1	.2	.1	.3	.4	.0	.0	.0	.0	.0	.0	.2	.3	.2
280. *	.5	.5	.9	1.5	1.0	1.1	1.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	.2	.1
285. *	.5	.7	1.0	1.3	1.0	1.1	.9	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
290. *	.5	.6	.8	1.2	.9	1.0	.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0
295. *	.5	.8	.8	1.2	.8	1.0	.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0
300. *	.5	.7	.8	.9	.8	.9	.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0
305. *	.5	.7	.8	1.0	1.0	.8	.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0
310. *	.5	.6	.8	.9	1.0	.8	.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
315. *	.6	.6	.7	.9	1.0	.8	.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
320. *	.6	.6	.7	.9	.8	.9	.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
325. *	.7	.6	.6	.7	.7	.7	.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
330. *	.5	.5	.5	.8	.7	.7	.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
335. *	.3	.6	.5	.8	.7	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340. *	.3	.5	.5	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345. *	.3	.5	.6	.7	.8	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350. *	.3	.4	.5	.8	.8	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355. *	.3	.4	.3	.9	.8	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
360. *	.1	.2	.4	.8	.7	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
MAX *	.7	.8	1.0	1.5	1.3	1.2	1.1	1.1	1.4	1.4	1.3	.8	.4	.2	.4	.7	.2	1.4	1.4	1.2
DEGR. *	325	295	285	280	270	265	265	105	240	235	235	225	165	205	150	150	200	245	235	105

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JOB: S3 US40 & Winans BDPM21 RUN: Site 3 Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.8	.9	.9	.7	.7	.5	.5
5. *	.0	.7	.9	.9	.8	.7	.5	.5
10. *	.0	.7	.9	1.0	.9	.5	.6	.5
15. *	.0	.8	.9	.9	.8	.6	.6	.5
20. *	.0	.8	1.1	1.0	.8	.7	.6	.5
25. *	.1	.8	1.1	1.1	.9	.7	.6	.5
30. *	.1	.8	1.2	1.1	1.1	.7	.5	.5
35. *	.1	.8	1.1	1.2	1.1	.7	.6	.4
40. *	.1	1.0	1.2	1.2	1.0	.8	.5	.4
45. *	.1	1.0	1.2	1.2	1.0	.7	.5	.3
50. *	.1	1.1	1.2	1.3	1.1	.6	.4	.3
55. *	.1	1.1	1.3	1.1	1.1	.6	.4	.3
60. *	.2	1.1	1.3	1.3	1.1	.6	.4	.3
65. *	.4	1.1	1.2	1.2	1.0	.4	.3	.3
70. *	.5	1.1	1.2	1.2	1.1	.4	.3	.3
75. *	.6	1.0	1.0	.9	.9	.4	.3	.3
80. *	.9	.8	.6	.6	.7	.3	.3	.3
85. *	1.1	.6	.5	.5	.5	.3	.3	.3
90. *	1.3	.4	.5	.4	.4	.3	.3	.3
95. *	1.2	.3	.3	.3	.3	.3	.3	.3
100. *	1.2	.1	.1	.3	.3	.3	.3	.3
105. *	1.2	.1	.1	.2	.2	.3	.3	.4
110. *	1.1	.1	.2	.2	.2	.4	.4	.4
115. *	1.2	.1	.2	.2	.3	.4	.4	.4
120. *	1.2	.1	.1	.1	.4	.4	.4	.4
125. *	.9	.0	.1	.1	.4	.4	.4	.4
130. *	.9	.0	.1	.1	.4	.4	.4	.4
135. *	.9	.0	.1	.1	.4	.4	.4	.4
140. *	.8	.0	.1	.1	.4	.4	.4	.4
145. *	.8	.0	.1	.1	.4	.4	.4	.4
150. *	.8	.0	.1	.1	.4	.4	.4	.4
155. *	.8	.0	.1	.1	.4	.4	.4	.4
160. *	.8	.0	.0	.1	.4	.4	.4	.3
165. *	.9	.0	.0	.1	.4	.4	.3	.3
170. *	.9	.0	.0	.0	.1	.2	.2	.1
175. *	.8	.0	.0	.0	.1	.1	.1	.1
180. *	.8	.0	.0	.0	.0	.0	.0	.0
185. *	.8	.0	.0	.0	.0	.0	.0	.0
190. *	.8	.0	.0	.0	.0	.0	.0	.0
195. *	.8	.0	.0	.0	.0	.0	.0	.0
200. *	.8	.0	.0	.0	.0	.0	.0	.0
205. *	.9	.0	.0	.0	.0	.0	.0	.0

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JOB: S3 US40 & Winans BDPM21 RUN: Site 3 Build PM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) * CONCENTRATION (PPM) REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.9	.0	.0	.0	.0	.0	.0	.0
215.	*	.9	.0	.0	.0	.0	.0	.0	.0
220.	*	1.0	.1	.0	.0	.0	.0	.0	.0
225.	*	1.0	.1	.0	.1	.0	.0	.0	.0
230.	*	1.2	.1	.1	.1	.0	.0	.0	.0
235.	*	1.2	.1	.2	.1	.1	.0	.0	.0
240.	*	1.2	.2	.2	.2	.1	.0	.0	.0
245.	*	1.2	.3	.3	.4	.3	.0	.0	.0
250.	*	1.2	.5	.7	.7	.5	.0	.0	.0
255.	*	1.1	.6	.7	.9	.6	.1	.0	.0
260.	*	.9	.9	1.0	1.0	1.0	.2	.0	.0
265.	*	.8	1.0	1.2	1.2	1.2	.2	.2	.0
270.	*	.5	1.1	1.4	1.4	1.3	.3	.2	.0
275.	*	.3	1.2	1.4	1.6	1.4	.4	.2	.0
280.	*	.2	1.1	1.4	1.4	1.4	.5	.3	.1
285.	*	.2	1.1	1.4	1.4	1.3	.5	.3	.2
290.	*	.1	1.0	1.4	1.3	1.2	.7	.3	.2
295.	*	.1	1.0	1.3	1.3	1.1	.5	.3	.2
300.	*	.1	1.0	1.2	1.1	1.1	.5	.4	.2
305.	*	.1	.9	1.2	1.2	1.1	.5	.4	.2
310.	*	.1	.9	1.2	1.2	1.1	.5	.4	.1
315.	*	.1	.9	1.1	1.1	1.1	.4	.3	.1
320.	*	.0	.9	.9	1.0	.9	.5	.3	.1
325.	*	.0	.7	1.0	.9	.9	.5	.3	.1
330.	*	.0	.7	.9	.9	.9	.5	.3	.1
335.	*	.0	.8	.9	.9	1.0	.5	.3	.2
340.	*	.0	.8	1.1	1.0	.9	.3	.2	.2
345.	*	.0	.8	1.0	1.0	.7	.2	.4	.3
350.	*	.0	.8	1.0	1.0	.7	.4	.6	.3
355.	*	.0	.8	1.0	1.1	.7	.7	.6	.5
360.	*	.0	.8	.9	.9	.7	.7	.5	.5
MAX	*	1.3	1.2	1.4	1.6	1.4	.8	.6	.5
DEGR.	*	90	275	270	275	275	40	10	0

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 275 DEGREES FROM REC24.
THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 280 DEGREES FROM REC4 .
THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 240 DEGREES FROM REC9 .

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S3 US40 & Winans BDPM35                 60.0321.0.0000.000280.30480000    1    1
SE MID S                  927.      737.       5.0
SE 164 S                  865.      933.       5.0
SE 82 S                   841.     1012.       5.0
SE CNR                    818.     1090.       5.0
SE 82 E                   898.     1105.       5.0
SE 164 E                  979.     1121.       5.0
SE MID E                 1183.     1160.       5.0
NE MID E                 1193.     1274.       5.0
NE 164  E                 954.     1227.       5.0
NE 82 E                   874.     1211.       5.0
NE CNR                    796.     1198.       5.0
NE 82 N                   779.     1276.       5.0
NE 164 N                  760.     1355.       5.0
NE MID N                  658.     1584.       5.0
NW 164 N                  702.     1346.       5.0
NW 82 N                   723.     1266.       5.0
NW MID N                  605.     1561.       5.0
NW CNR                    733.     1187.       5.0
NW 82 W                   660.     1170.       5.0
NW 164 W                  578.     1155.       5.0
NW MID W                  389.     1118.       5.0
SW MID W                  405.     1009.       5.0
SW 164 W                  605.     1048.       5.0
SW 82 W                   686.     1064.       5.0
SW CNR                    765.     1076.       5.0
SW 82 S                   790.      999.       5.0
SW 164 S                  814.      922.       5.0
SW MID S                  877.      719.       5.0
Site 3 Build PM 2035                     44  1   0
  1
NB        Win       AG  1016.   171.   977.   513.    260. 7.8   0  32   30.
  1
NB        Win       AG   977.   513.   782.  1136.    260. 7.8   0  32   30.
  2
NB        Win       AG   798.  1085.   858.   891.      0.  12   1
       150       114       2.0  260   42.1 1296 1 3
  1
NB        Win dep   AG   782.  1136.   738.  1358.     90. 7.8   0  32   30.
  1
NB        Win dep   AG   738.  1358.   675.  1510.     90. 7.8   0  32   30.
  1
NB        Win dep   AG   675.  1510.   610.  1621.     90. 7.8   0  32   30.
  1
NB        Win dep   AG   610.  1621.   530.  1717.     90. 7.8   0  32   30.
  1
NB        Win dep   AG   530.  1717.   414.  1856.     90. 7.8   0  32   30.
  1
NB        Win dep   AG   414.  1856.   372.  1963.     90. 7.8   0  32   30.
  1
NB        Win dep   AG   372.  1963.   356.  2049.     90. 7.8   0  32   30.
  1
SB        Win       AG   340.  2038.   362.  1946.     55. 7.8   0  32   30.
  1
SB        Win       AG   362.  1946.   397.  1851.     55. 7.8   0  32   30.
  1
SB        Win       AG   397.  1851.   593.  1622.     55. 7.8   0  32   30.
  1
SB        Win       AG   593.  1622.   660.  1510.     55. 7.8   0  32   30.
  1
SB        Win       AG   660.  1510.   722.  1360.     55. 7.8   0  32   30.
  1
SB        Win       AG   722.  1360.   769.  1150.     55. 7.8   0  32   30.
  2
SB        Win       AG   759.  1197.   729.  1330.      0.  12   1
       150       114       2.0   55   42.1 1594 1 3
  1
SB        Win dep   AG   769.  1150.   785.  1074.    110. 7.8   0  32   30.
  1
SB        Win dep   AG   785.  1074.   964.   508.    110. 7.8   0  32   30.
  1
SB        Win dep   AG   964.   508.  1000.   166.    110. 7.8   0  32   30.
  1
EB        US40 ap   AG  -197.   913.   539.  1059.   2120. 7.8   0  44   35.
  1
EB        US40 thru AG   539.  1059.   784.  1107.   2090. 7.8   0  44   35.
  2
EB        US40 thru AG   750.  1101.   616.  1074.      0.  24   2
       150        46       2.0 2090   42.1 1704 1 3
  1
EB        US40 left AG   539.  1059.   616.  1091.     30. 7.8   0  32   35.
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  1
EB        US40 left AG   616.  1091.   780.  1123.     30. 7.8   0  32   35.
  2
EB        US40 left AG   744.  1116.   631.  1094.      0.  12   1
       150       101       2.0   30   42.1 1711 1 3
  1
EB        US40 dep  AG   784.  1107.  1199.  1186.   2080. 7.8   0  44   35.
  1
EB        US40 dep  AG  1199.  1186.  1326.  1206.   2080. 7.8   0  44   35.
  1
EB        US40 dep  AG  1326.  1206.  1436.  1217.   2080. 7.8   0  44   35.
  1
EB        US40 dep  AG  1436.  1217.  1598.  1225.   2080. 7.8   0  44   35.
  1
EB        US40 dep  AG  1598.  1225.  1773.  1234.   2080. 7.8   0  44   35.
  1
WB        US40 ap   AG  1765.  1298.  1439.  1280.   2280. 7.8   0  44   35.
  1
WB        US40 ap   AG  1439.  1280.  1323.  1269.   2280. 7.8   0  44   35.
  1
WB        US40 ap   AG  1323.  1269.  1188.  1250.   2280. 7.8   0  44   35.
  1
WB        US40 ap   AG  1188.  1250.   986.  1210.   2280. 7.8   0  44   35.
  1
WB        US40 th   AG   986.  1210.   940.  1195.   2230. 7.8   0  44   35.
  1
WB        US40 th   AG   940.  1195.   787.  1167.   2230. 7.8   0  44   35.
  2
WB        US40 th   AG   812.  1171.   928.  1193.      0.  24   2
       150        45       2.0 2230   42.1 1795 1 3
  1
WB        US40 left AG   986.  1210.   938.  1182.     50. 7.8   0  32   35.
  1
WB        US40 left AG   938.  1182.   790.  1154.     50. 7.8   0  32   35.
  2
WB        US40 left AG   813.  1158.   918.  1178.      0.  12   1
       150       140       2.0   50   42.1 1593 1 3
  1
WB        US40 dep  AG   787.  1167.   700.  1154.   2435. 7.8   0  44   35.
  1
WB        US40 dep  AG   700.  1154.   554.  1121.   2435. 7.8   0  44   35.
  1
WB        US40 dep  AG   554.  1121.  -210.   975.   2435. 7.8   0  56   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S3 US40 & Winans BDPM35 RUN: Site 3 Build PM 2035
DATE: 09/06/2012 TIME: 11:58:34.80

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	Win	1016.0	171.0	977.0	513.0	344.	353.	AG	260.	7.8	.0	32.0		
2. NB	Win	977.0	513.0	782.0	1136.0	653.	343.	AG	260.	7.8	.0	32.0		
3. NB	Win	798.0	1085.0	860.5	882.9	212.	163.	AG	86.	100.0	.0	12.0	.94	10.7
4. NB	Win dep	782.0	1136.0	738.0	1358.0	226.	349.	AG	90.	7.8	.0	32.0		
5. NB	Win dep	738.0	1358.0	675.0	1510.0	165.	337.	AG	90.	7.8	.0	32.0		
6. NB	Win dep	675.0	1510.0	610.0	1621.0	129.	330.	AG	90.	7.8	.0	32.0		
7. NB	Win dep	610.0	1621.0	530.0	1717.0	125.	320.	AG	90.	7.8	.0	32.0		
8. NB	Win dep	530.0	1717.0	414.0	1856.0	181.	320.	AG	90.	7.8	.0	32.0		
9. NB	Win dep	414.0	1856.0	372.0	1963.0	115.	339.	AG	90.	7.8	.0	32.0		
10. NB	Win dep	372.0	1963.0	356.0	2049.0	87.	349.	AG	90.	7.8	.0	32.0		
11. SB	Win	340.0	2038.0	362.0	1946.0	95.	167.	AG	55.	7.8	.0	32.0		
12. SB	Win	362.0	1946.0	397.0	1851.0	101.	160.	AG	55.	7.8	.0	32.0		
13. SB	Win	397.0	1851.0	593.0	1622.0	301.	139.	AG	55.	7.8	.0	32.0		
14. SB	Win	593.0	1622.0	660.0	1510.0	131.	149.	AG	55.	7.8	.0	32.0		
15. SB	Win	660.0	1510.0	722.0	1360.0	162.	158.	AG	55.	7.8	.0	32.0		
16. SB	Win	722.0	1360.0	769.0	1150.0	215.	167.	AG	55.	7.8	.0	32.0		
17. SB	Win	759.0	1197.0	751.5	1230.4	34.	347.	AG	86.	100.0	.0	12.0	.16	1.7
18. SB	Win dep	769.0	1150.0	785.0	1074.0	78.	168.	AG	110.	7.8	.0	32.0		
19. SB	Win dep	785.0	1074.0	964.0	508.0	594.	162.	AG	110.	7.8	.0	32.0		
20. SB	Win dep	964.0	508.0	1000.0	166.0	344.	174.	AG	110.	7.8	.0	32.0		
21. EB	US40 ap	-197.0	913.0	539.0	1059.0	750.	79.	AG	2120.	7.8	.0	44.0		
22. EB	US40 thru	539.0	1059.0	784.0	1107.0	250.	79.	AG	2090.	7.8	.0	44.0		
23. EB	US40 thru	750.0	1101.0	449.7	1040.5	306.	259.	AG	69.	100.0	.0	24.0	.92	15.6
24. EB	US40 left	539.0	1059.0	616.0	1091.0	83.	67.	AG	30.	7.8	.0	32.0		
25. EB	US40 left	616.0	1091.0	780.0	1123.0	167.	79.	AG	30.	7.8	.0	32.0		
26. EB	US40 left	744.0	1116.0	727.7	1112.8	17.	259.	AG	76.	100.0	.0	12.0	.06	.8
27. EB	US40 dep	784.0	1107.0	1199.0	1186.0	422.	79.	AG	2080.	7.8	.0	44.0		
28. EB	US40 dep	1199.0	1186.0	1326.0	1206.0	129.	81.	AG	2080.	7.8	.0	44.0		
29. EB	US40 dep	1326.0	1206.0	1436.0	1217.0	111.	84.	AG	2080.	7.8	.0	44.0		
30. EB	US40 dep	1436.0	1217.0	1598.0	1225.0	162.	87.	AG	2080.	7.8	.0	44.0		
31. EB	US40 dep	1598.0	1225.0	1773.0	1234.0	175.	87.	AG	2080.	7.8	.0	44.0		
32. WB	US40 ap	1765.0	1298.0	1439.0	1280.0	326.	267.	AG	2280.	7.8	.0	44.0		
33. WB	US40 ap	1439.0	1280.0	1323.0	1269.0	117.	265.	AG	2280.	7.8	.0	44.0		
34. WB	US40 ap	1323.0	1269.0	1188.0	1250.0	136.	262.	AG	2280.	7.8	.0	44.0		
35. WB	US40 ap	1188.0	1250.0	986.0	1210.0	206.	259.	AG	2280.	7.8	.0	44.0		
36. WB	US40 th	986.0	1210.0	940.0	1195.0	48.	252.	AG	2230.	7.8	.0	44.0		
37. WB	US40 th	940.0	1195.0	787.0	1167.0	156.	260.	AG	2230.	7.8	.0	44.0		
38. WB	US40 th	812.0	1171.0	1125.9	1230.5	320.	79.	AG	68.	100.0	.0	24.0	.92	16.2
39. WB	US40 left	986.0	1210.0	938.0	1182.0	56.	240.	AG	50.	7.8	.0	32.0		
40. WB	US40 left	938.0	1182.0	790.0	1154.0	151.	259.	AG	50.	7.8	.0	32.0		
41. WB	US40 left	813.0	1158.0	861.1	1167.2	49.	79.	AG	105.	100.0	.0	12.0	.79	2.5
42. WB	US40 dep	787.0	1167.0	700.0	1154.0	88.	262.	AG	2435.	7.8	.0	44.0		
43. WB	US40 dep	700.0	1154.0	554.0	1121.0	150.	257.	AG	2435.	7.8	.0	44.0		
44. WB	US40 dep	554.0	1121.0	-210.0	975.0	778.	259.	AG	2435.	7.8	.0	56.0		

JOB: S3 US40 & Winans BDPM35 RUN: Site 3 Build PM 2035
DATE: 09/06/2012 TIME: 11:58:34.80

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. NB	Win	150	114	2.0	260	1296	42.10	1	3
17. SB	Win	150	114	2.0	55	1594	42.10	1	3
23. EB	US40 thru	150	46	2.0	2090	1704	42.10	1	3
26. EB	US40 left	150	101	2.0	30	1711	42.10	1	3
38. WB	US40 th	150	45	2.0	2230	1795	42.10	1	3
41. WB	US40 left	150	140	2.0	50	1593	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	927.0	737.0	5.0
2. SE 164 S	865.0	933.0	5.0
3. SE 82 S	841.0	1012.0	5.0
4. SE CNR	818.0	1090.0	5.0
5. SE 82 E	898.0	1105.0	5.0
6. SE 164 E	979.0	1121.0	5.0
7. SE MID E	1183.0	1160.0	5.0
8. NE MID E	1193.0	1274.0	5.0
9. NE 164 E	954.0	1227.0	5.0
10. NE 82 E	874.0	1211.0	5.0

11. NE CNR	*	796.0	1198.0	5.0	*
12. NE 82 N	*	779.0	1276.0	5.0	*
13. NE 164 N	*	760.0	1355.0	5.0	*
14. NE MID N	*	658.0	1584.0	5.0	*
15. NW 164 N	*	702.0	1346.0	5.0	*
16. NW 82 N	*	723.0	1266.0	5.0	*
17. NW MID N	*	605.0	1561.0	5.0	*
18. NW CNR	*	733.0	1187.0	5.0	*
19. NW 82 W	*	660.0	1170.0	5.0	*
20. NW 164 W	*	578.0	1155.0	5.0	*
21. NW MID W	*	389.0	1118.0	5.0	*
22. SW MID W	*	405.0	1009.0	5.0	*
23. SW 164 W	*	605.0	1048.0	5.0	*
24. SW 82 W	*	686.0	1064.0	5.0	*
25. SW CNR	*	765.0	1076.0	5.0	*
26. SW 82 S	*	790.0	999.0	5.0	*
27. SW 164 S	*	814.0	922.0	5.0	*
28. SW MID S	*	877.0	719.0	5.0	*

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JOB: S3 US40 & Winans BDPM35 RUN: Site 3 Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.2	.4	1.0	.9	.9	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	.1	.2	.4	1.0	.9	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	.1	.2	.5	1.0	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
15.	.2	.2	.4	1.0	.9	.9	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
20.	.2	.3	.4	1.1	.9	1.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
25.	.1	.2	.4	1.1	1.1	.9	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
30.	.1	.3	.5	1.1	1.0	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
35.	.0	.2	.5	1.0	1.0	1.0	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
40.	.0	.2	.4	1.0	1.1	1.1	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
45.	.0	.2	.3	1.2	1.1	1.1	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
50.	.0	.2	.3	1.2	1.1	1.1	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
55.	.0	.1	.3	1.2	1.2	1.2	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1
60.	.0	.1	.3	1.2	1.2	1.1	1.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	.2	.1
65.	.0	.0	.2	1.1	1.1	1.1	1.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.3	.3	.2
70.	.0	.0	.1	1.0	1.1	1.1	1.1	.5	.5	.5	.4	.0	.0	.0	.0	.0	.0	.5	.5	.4
75.	.0	.0	.1	.9	1.0	1.1	1.0	.6	.7	.7	.5	.0	.0	.0	.0	.0	.0	.7	.8	.7
80.	.0	.0	.0	.8	.9	.8	.9	.7	1.0	.9	.7	.0	.0	.0	.0	.0	.0	.8	1.0	.8
85.	.0	.0	.0	.5	.5	.6	.7	.8	1.2	1.2	.9	.1	.0	.0	.0	.1	.0	.8	1.2	.9
90.	.0	.0	.0	.4	.4	.3	.5	1.2	1.3	1.1	1.1	.1	.0	.0	.0	.2	.0	1.1	1.3	1.1
95.	.0	.0	.0	.3	.3	.2	.3	1.1	1.3	1.2	1.2	.2	.0	.0	.1	.4	.0	1.2	1.2	1.1
100.	.0	.0	.0	.2	.2	.2	.1	1.1	1.2	1.2	1.2	.3	.1	.0	.1	.4	.0	1.3	1.2	1.1
105.	.0	.0	.0	.1	.1	.1	.1	1.3	1.3	1.3	1.3	.5	.1	.0	.2	.4	.0	1.2	1.2	1.1
110.	.0	.0	.0	.1	.1	.1	.0	1.2	1.1	1.2	1.2	.5	.2	.0	.2	.6	.0	1.3	1.2	1.2
115.	.0	.0	.0	.1	.1	.1	.0	.9	1.2	1.1	1.2	.6	.2	.0	.3	.5	.0	1.0	1.1	1.1
120.	.0	.0	.0	.1	.1	.1	.0	1.0	1.2	1.2	1.2	.5	.2	.0	.3	.5	.0	1.0	1.0	1.0
125.	.0	.0	.0	.1	.1	.1	.0	1.0	1.2	1.2	1.2	.5	.3	.0	.2	.5	.0	.8	1.0	1.0
130.	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	1.1	1.1	.5	.3	.0	.2	.5	.1	.9	1.1	1.0
135.	.0	.0	.0	.0	.0	.0	.0	.8	1.2	1.0	1.1	.5	.3	.1	.2	.6	.1	1.0	1.1	1.0
140.	.0	.0	.0	.0	.0	.0	.0	.8	1.1	1.0	1.0	.5	.2	.1	.2	.4	.1	1.0	1.1	1.0
145.	.0	.0	.0	.0	.0	.0	.0	.8	1.1	1.0	1.0	.5	.2	.1	.2	.4	.1	.9	.9	1.0
150.	.0	.0	.0	.1	.0	.0	.0	.8	.9	.9	.9	.4	.2	.1	.3	.4	.1	1.0	1.0	.9
155.	.0	.1	.2	.2	.0	.0	.0	.8	1.1	1.0	.9	.3	.2	.1	.3	.6	.0	1.1	1.0	1.0
160.	.1	.1	.2	.2	.0	.0	.0	.7	1.1	1.0	1.0	.3	.2	.0	.4	.5	.0	1.0	1.0	1.0
165.	.1	.1	.2	.3	.0	.0	.0	.9	1.1	1.0	.9	.4	.3	.0	.2	.4	.1	.9	1.0	1.0
170.	.1	.2	.3	.3	.0	.0	.0	.9	1.1	1.1	.9	.3	.3	.0	.2	.3	.1	.8	1.0	.9
175.	.1	.2	.3	.3	.0	.0	.0	.8	1.0	1.0	1.1	.4	.4	.1	.3	.3	.2	.9	1.0	.9
180.	.1	.2	.3	.3	.0	.0	.0	.8	1.1	1.0	1.0	.4	.2	.1	.3	.4	.2	.9	1.0	.9
185.	.1	.2	.3	.3	.0	.0	.0	.9	1.1	1.1	.9	.5	.2	.2	.3	.4	.0	.9	1.0	.9
190.	.1	.3	.3	.3	.0	.0	.0	.9	1.0	1.2	.7	.4	.3	.0	.2	.5	.1	.9	1.0	1.0
195.	.1	.3	.3	.3	.1	.0	.0	.8	1.0	1.1	.9	.4	.3	.1	.2	.5	.2	.9	.9	1.0
200.	.1	.3	.3	.3	.1	.0	.0	.8	1.1	1.1	.9	.5	.3	.2	.2	.6	.2	.9	.9	1.0
205.	.1	.3	.3	.3	.1	.0	.0	.8	1.1	1.2	.8	.6	.2	.2	.3	.6	.2	1.0	1.0	1.0

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JOB: S3 US40 & Winans BDPM35 RUN: Site 3 Build PM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.1	.3	.3	.3	.1	.1	.1	1.0	1.1	1.2	.9	.7	.2	.2	.4	.4	.2	1.1	1.0	1.1
215.	.1	.3	.3	.3	.2	.1	.1	1.0	1.2	1.2	1.1	.5	.4	.2	.3	.5	.2	1.1	1.1	1.1
220.	.1	.3	.3	.3	.2	.1	.1	1.1	1.0	1.3	1.0	.6	.4	.2	.3	.6	.2	1.1	1.2	1.1
225.	.1	.3	.3	.3	.2	.1	.1	1.0	1.2	1.3	1.1	.7	.3	.2	.3	.5	.2	1.1	1.2	1.2
230.	.1	.3	.3	.3	.2	.2	.1	1.2	1.2	1.4	1.1	.5	.3	.2	.3	.6	.2	1.3	1.2	1.1
235.	.1	.3	.3	.4	.2	.1	.2	1.2	1.3	1.5	1.3	.5	.3	.1	.3	.5	.1	1.2	1.3	1.2
240.	.1	.3	.3	.5	.3	.2	.2	1.1	1.5	1.5	1.3	.4	.3	.0	.3	.5	.0	1.4	1.4	1.2
245.	.1	.3	.3	.6	.5	.4	.3	1.5	1.4	1.4	1.4	.4	.3	.0	.3	.4	.0	1.4	1.3	1.2
250.	.1	.3	.3	.9	.7	.7	.5	1.5	1.3	1.3	1.1	.4	.2	.0	.2	.3	.0	1.2	1.2	1.1

255. *	.1	.3	.4	1.2	.9	.8	.9	1.3	1.1	1.1	.9	.3	.1	.0	.1	.3	.0	1.1	1.1	1.0
260. *	.1	.4	.5	1.4	1.1	1.0	1.1	1.1	.9	1.0	.8	.2	.0	.0	.0	.1	.0	.8	.9	.8
265. *	.1	.5	.6	1.5	1.2	1.2	1.2	.7	.7	.6	.8	.1	.0	.0	.0	.1	.0	.6	.7	.6
270. *	.1	.5	.8	1.5	1.4	1.3	1.5	.3	.3	.4	.4	.0	.0	.0	.0	.0	.0	.5	.4	.4
275. *	.1	.5	.8	1.5	1.3	1.4	1.3	.2	.1	.3	.4	.0	.0	.0	.0	.0	.0	.2	.3	.2
280. *	.3	.5	.9	1.5	1.1	1.4	1.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.2	.1
285. *	.3	.6	1.0	1.3	1.2	1.2	1.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
290. *	.3	.6	.9	1.4	1.1	1.1	1.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0
295. *	.3	.6	.8	1.2	.9	1.2	1.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0
300. *	.3	.7	.8	1.1	1.0	1.1	1.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0
305. *	.3	.6	.8	1.0	1.0	1.0	1.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
310. *	.2	.6	.7	1.1	1.1	.9	1.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
315. *	.3	.6	.7	.9	1.1	.9	1.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
320. *	.2	.7	.8	.9	1.0	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325. *	.2	.6	.6	1.0	1.0	.9	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330. *	.3	.6	.6	.8	1.0	.9	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335. *	.3	.6	.6	.8	.9	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340. *	.2	.7	.7	.8	.9	.9	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345. *	.3	.5	.6	.9	1.0	1.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350. *	.2	.4	.4	.9	1.0	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355. *	.1	.3	.3	.9	1.0	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360. *	.1	.2	.4	1.0	.9	.9	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX *	.3	.7	1.0	1.5	1.4	1.4	1.5	1.5	1.5	1.5	1.4	.7	.4	.2	.4	.6	.2	1.4	1.4	1.2
DEGR. *	280	300	285	265	270	275	270	245	240	235	245	210	175	185	160	110	175	240	240	110

1

JOB: S3 US40 & Winans BDPM35 RUN: Site 3 Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.8	1.0	1.0	.8	.5	.4	.2
5. *	.0	.8	1.0	1.0	.9	.6	.5	.2
10. *	.0	.8	1.0	.9	.8	.5	.5	.2
15. *	.0	.8	1.0	1.0	.7	.5	.5	.2
20. *	.0	.9	1.0	1.0	.9	.5	.5	.2
25. *	.1	.9	1.1	1.1	.9	.7	.5	.2
30. *	.1	.9	1.2	1.1	1.0	.7	.6	.2
35. *	.1	.9	1.1	1.1	1.0	.7	.6	.1
40. *	.1	1.2	1.2	1.1	1.1	.8	.5	.1
45. *	.1	1.2	1.3	1.3	1.0	.8	.5	.1
50. *	.1	1.2	1.2	1.4	1.2	.6	.5	.1
55. *	.1	1.2	1.3	1.4	1.2	.5	.3	.1
60. *	.2	1.2	1.3	1.5	1.2	.5	.3	.1
65. *	.4	1.4	1.4	1.3	1.2	.5	.2	.1
70. *	.5	1.3	1.4	1.2	1.2	.4	.3	.1
75. *	.7	1.2	1.1	1.1	.9	.4	.3	.1
80. *	.9	.9	.8	.7	.9	.2	.2	.1
85. *	1.0	.7	.6	.5	.6	.2	.2	.1
90. *	1.1	.6	.4	.5	.5	.2	.2	.1
95. *	1.3	.3	.3	.4	.4	.3	.2	.1
100. *	1.4	.1	.1	.3	.3	.3	.2	.1
105. *	1.3	.1	.1	.2	.2	.3	.2	.1
110. *	1.1	.1	.1	.2	.3	.3	.2	.1
115. *	1.1	.1	.1	.2	.3	.3	.2	.1
120. *	1.1	.1	.1	.2	.3	.3	.2	.1
125. *	1.1	.1	.1	.2	.3	.3	.2	.1
130. *	1.0	.0	.0	.1	.3	.3	.2	.1
135. *	.9	.0	.0	.0	.3	.3	.2	.1
140. *	.8	.0	.0	.0	.3	.2	.2	.1
145. *	.9	.0	.0	.0	.3	.2	.1	.1
150. *	.9	.0	.0	.0	.2	.2	.1	.1
155. *	.9	.0	.0	.0	.2	.2	.1	.0
160. *	.9	.0	.0	.0	.1	.1	.0	.0
165. *	.9	.0	.0	.0	.1	.0	.0	.0
170. *	.9	.0	.0	.0	.0	.0	.0	.0
175. *	.9	.0	.0	.0	.0	.0	.0	.0
180. *	.9	.0	.0	.0	.0	.0	.0	.0
185. *	.9	.0	.0	.0	.0	.0	.0	.0
190. *	.9	.0	.0	.0	.0	.0	.0	.0
195. *	.9	.0	.0	.0	.0	.0	.0	.0
200. *	.9	.0	.0	.0	.0	.0	.0	.0
205. *	.9	.0	.0	.0	.0	.0	.0	.0

1

JOB: S3 US40 & Winans BDPM35 RUN: Site 3 Build PM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) * CONCENTRATION (PPM) REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	1.0	.1	.0	.0	.0	.0	.0	.0
215.	*	1.0	.1	.1	.1	.0	.0	.0	.0
220.	*	1.1	.1	.1	.1	.0	.0	.0	.0
225.	*	1.1	.1	.1	.1	.0	.0	.0	.0
230.	*	1.1	.1	.1	.1	.1	.0	.0	.0
235.	*	1.2	.2	.2	.1	.1	.0	.0	.0
240.	*	1.3	.2	.2	.3	.1	.0	.0	.0
245.	*	1.3	.4	.3	.3	.3	.0	.0	.0
250.	*	1.2	.6	.7	.7	.6	.0	.0	.0
255.	*	1.1	.8	.9	.8	.8	.1	.0	.0
260.	*	.9	1.0	1.1	1.2	1.0	.2	.1	.0
265.	*	.7	1.1	1.4	1.4	1.3	.3	.2	.0
270.	*	.5	1.2	1.4	1.5	1.5	.5	.2	.0
275.	*	.3	1.3	1.5	1.4	1.3	.5	.2	.0
280.	*	.2	1.2	1.4	1.4	1.4	.5	.2	.1
285.	*	.2	1.2	1.4	1.4	1.4	.6	.3	.2
290.	*	.1	1.2	1.4	1.4	1.2	.7	.4	.2
295.	*	.1	1.1	1.3	1.3	1.1	.6	.3	.2
300.	*	.1	1.1	1.2	1.1	1.0	.5	.3	.2
305.	*	.1	1.0	1.2	1.2	1.1	.5	.4	.2
310.	*	.1	.9	1.2	1.2	1.0	.4	.4	.2
315.	*	.1	.9	1.0	1.1	.9	.4	.3	.1
320.	*	.0	.9	1.0	1.0	.9	.4	.2	.2
325.	*	.0	.8	1.1	1.0	.9	.5	.2	.1
330.	*	.0	.8	1.0	1.0	.9	.5	.3	.1
335.	*	.0	.8	1.0	1.0	.9	.4	.3	.1
340.	*	.0	.8	1.0	1.0	.9	.3	.2	.1
345.	*	.0	.9	1.1	1.1	.8	.3	.4	.1
350.	*	.0	.9	1.1	1.1	.8	.3	.5	.3
355.	*	.0	.9	1.1	1.1	.8	.5	.6	.3
360.	*	.0	.8	1.0	1.0	.8	.5	.4	.2
MAX	*	1.4	1.4	1.5	1.5	1.5	.8	.6	.3
DEGR.	*	100	65	275	60	270	40	30	350

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 265 DEGREES FROM REC4 .
THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 270 DEGREES FROM REC7 .
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 245 DEGREES FROM REC8 .

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S3 US40 & Winans EXAM                    60.0321.0.0000.000280.30480000    1    1
SE MID S                  927.      737.       5.0
SE 164 S                  865.      933.       5.0
SE 82 S                   841.     1012.       5.0
SE CNR                    818.     1090.       5.0
SE 82 E                   898.     1105.       5.0
SE 164 E                  979.     1121.       5.0
SE MID E                 1183.     1160.       5.0
NE MID E                 1193.     1274.       5.0
NE 164  E                 954.     1227.       5.0
NE 82 E                   874.     1211.       5.0
NE CNR                    796.     1198.       5.0
NE 82 N                   779.     1276.       5.0
NE 164 N                  760.     1355.       5.0
NE MID N                  658.     1584.       5.0
NW 164 N                  702.     1346.       5.0
NW 82 N                   723.     1266.       5.0
NW MID N                  605.     1561.       5.0
NW CNR                    733.     1187.       5.0
NW 82 W                   660.     1170.       5.0
NW 164 W                  578.     1155.       5.0
NW MID W                  389.     1118.       5.0
SW MID W                  405.     1009.       5.0
SW 164 W                  605.     1048.       5.0
SW 82 W                   686.     1064.       5.0
SW CNR                    765.     1076.       5.0
SW 82 S                   790.      999.       5.0
SW 164 S                  814.      922.       5.0
SW MID S                  877.      719.       5.0
Site 3 Existing AM                       36  1   0
  1
EB        US40      AG  -196.   918.   455.  1047.   2235.10.0   0  56   35.
  1
EB        US40      AG   455.  1047.   589.  1081.   2235.10.0   0  56   35.
  1
EB        US40      AG   589.  1081.   780.  1117.   2235.10.0   0  68   35.
  2
EB        US40      AG   749.  1111.   596.  1083.      0.  48   4
       110        33       2.0 2235   56.4 1399 1 3
  1
EB        US40 dep  AG   780.  1117.   905.  1136.   2290.10.0   0  56   35.
  1
EB        US40 dep  AG   905.  1136.  1240.  1198.   2290.10.0   0  56   35.
  1
EB        US40 dep  AG  1240.  1198.  1423.  1221.   2290.10.0   0  56   35.
  1
EB        US40 dep  AG  1423.  1221.  1769.  1239.   2290.10.0   0  56   35.
  1
WB        US40      AG  1764.  1291.  1427.  1273.   1375.10.0   0  56   35.
  1
WB        US40      AG  1427.  1273.  1240.  1252.   1375.10.0   0  56   35.
  1
WB        US40      AG  1240.  1252.  1077.  1223.   1375.10.0   0  56   35.
  1
WB        US40      AG  1077.  1223.   969.  1194.   1375.10.0   0  56   35.
  1
WB        US40      AG   969.  1194.   778.  1158.   1375.10.0   0  68   35.
  2
WB        US40      AG   811.  1164.   956.  1191.      0.  48   4
       110        33       2.0 1375   56.4 1295 1 3
  1
WB        US40 dep  AG   778.  1158.   604.  1132.   1545.10.0   0  56   35.
  1
WB        US40 dep  AG   604.  1132.  -208.   975.   1545.10.0   0  56   35.
  1
NB        Win       AG  1016.   171.   977.   513.    215.10.0   0  32   30.
  1
NB        Win       AG   977.   513.   782.  1136.    215.10.0   0  32   30.
  2
NB        Win       AG   798.  1085.   858.   891.      0.  12   1
       110        77       2.0  215   56.4 1239 1 3
  1
NB        Win dep   AG   782.  1136.   738.  1358.     55.10.0   0  32   30.
  1
NB        Win dep   AG   738.  1358.   675.  1510.     55.10.0   0  32   30.
  1
NB        Win dep   AG   675.  1510.   610.  1621.     55.10.0   0  32   30.
  1
NB        Win dep   AG   610.  1621.   530.  1717.     55.10.0   0  32   30.
  1
NB        Win dep   AG   530.  1717.   414.  1856.     55.10.0   0  32   30.
```

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  1
NB        Win dep   AG   414.  1856.   372.  1963.     55.10.0   0  32   30.
  1
NB        Win dep   AG   372.  1963.   356.  2049.     55.10.0   0  32   30.
  1
SB        Win       AG   340.  2038.   362.  1946.    245.10.0   0  32   30.
  1
SB        Win       AG   362.  1946.   397.  1851.    245.10.0   0  32   30.
  1
SB        Win       AG   397.  1851.   593.  1622.    245.10.0   0  32   30.
  1
SB        Win       AG   593.  1622.   660.  1510.    245.10.0   0  32   30.
  1
SB        Win       AG   660.  1510.   722.  1360.    245.10.0   0  32   30.
  1
SB        Win       AG   722.  1360.   769.  1150.    245.10.0   0  32   30.
  2
SB        Win       AG   759.  1197.   729.  1330.      0.  12   1
       110        77       2.0  245   56.4 1226 1 3
  1
SB        Win dep   AG   769.  1150.   785.  1074.    180.10.0   0  32   30.
  1
SB        Win dep   AG   785.  1074.   964.   508.    180.10.0   0  32   30.
  1
SB        Win dep   AG   964.   508.  1000.   166.    180.10.0   0  32   30.
1.0   04  1000   0Y  5  0 72
```

JOB: S3 US40 & Winans EXAM RUN: Site 3 Existing AM
DATE: 09/06/2012 TIME: 10:13:04.26

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION			LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	US40		-196.0	918.0	455.0	1047.0	664.	79.	AG	2235.	10.0	.0	56.0		
2. EB	US40		455.0	1047.0	589.0	1081.0	138.	76.	AG	2235.	10.0	.0	56.0		
3. EB	US40		589.0	1081.0	780.0	1117.0	194.	79.	AG	2235.	10.0	.0	68.0		
4. EB	US40		749.0	1111.0	650.0	1092.9	101.	260.	AG	182.	100.0	.0	48.0	.60	5.1
5. EB	US40	dep	780.0	1117.0	905.0	1136.0	126.	81.	AG	2290.	10.0	.0	56.0		
6. EB	US40	dep	905.0	1136.0	1240.0	1198.0	341.	80.	AG	2290.	10.0	.0	56.0		
7. EB	US40	dep	1240.0	1198.0	1423.0	1221.0	184.	83.	AG	2290.	10.0	.0	56.0		
8. EB	US40	dep	1423.0	1221.0	1769.0	1239.0	346.	87.	AG	2290.	10.0	.0	56.0		
9. WB	US40		1764.0	1291.0	1427.0	1273.0	337.	267.	AG	1375.	10.0	.0	56.0		
10. WB	US40		1427.0	1273.0	1240.0	1252.0	188.	264.	AG	1375.	10.0	.0	56.0		
11. WB	US40		1240.0	1252.0	1077.0	1223.0	166.	260.	AG	1375.	10.0	.0	56.0		
12. WB	US40		1077.0	1223.0	969.0	1194.0	112.	255.	AG	1375.	10.0	.0	56.0		
13. WB	US40		969.0	1194.0	778.0	1158.0	194.	259.	AG	1375.	10.0	.0	68.0		
14. WB	US40		811.0	1164.0	871.8	1175.3	62.	79.	AG	182.	100.0	.0	48.0	.40	3.1
15. WB	US40	dep	778.0	1158.0	604.0	1132.0	176.	262.	AG	1545.	10.0	.0	56.0		
16. WB	US40	dep	604.0	1132.0	-208.0	975.0	827.	259.	AG	1545.	10.0	.0	56.0		
17. NB	Win		1016.0	171.0	977.0	513.0	344.	353.	AG	215.	10.0	.0	32.0		
18. NB	Win		977.0	513.0	782.0	1136.0	653.	343.	AG	215.	10.0	.0	32.0		
19. NB	Win		798.0	1085.0	824.7	998.5	91.	163.	AG	106.	100.0	.0	12.0	.66	4.6
20. NB	Win	dep	782.0	1136.0	738.0	1358.0	226.	349.	AG	55.	10.0	.0	32.0		
21. NB	Win	dep	738.0	1358.0	675.0	1510.0	165.	337.	AG	55.	10.0	.0	32.0		
22. NB	Win	dep	675.0	1510.0	610.0	1621.0	129.	330.	AG	55.	10.0	.0	32.0		
23. NB	Win	dep	610.0	1621.0	530.0	1717.0	125.	320.	AG	55.	10.0	.0	32.0		
24. NB	Win	dep	530.0	1717.0	414.0	1856.0	181.	320.	AG	55.	10.0	.0	32.0		
25. NB	Win	dep	414.0	1856.0	372.0	1963.0	115.	339.	AG	55.	10.0	.0	32.0		
26. NB	Win	dep	372.0	1963.0	356.0	2049.0	87.	349.	AG	55.	10.0	.0	32.0		
27. SB	Win		340.0	2038.0	362.0	1946.0	95.	167.	AG	245.	10.0	.0	32.0		
28. SB	Win		362.0	1946.0	397.0	1851.0	101.	160.	AG	245.	10.0	.0	32.0		
29. SB	Win		397.0	1851.0	593.0	1622.0	301.	139.	AG	245.	10.0	.0	32.0		
30. SB	Win		593.0	1622.0	660.0	1510.0	131.	149.	AG	245.	10.0	.0	32.0		
31. SB	Win		660.0	1510.0	722.0	1360.0	162.	158.	AG	245.	10.0	.0	32.0		
32. SB	Win		722.0	1360.0	769.0	1150.0	215.	167.	AG	245.	10.0	.0	32.0		
33. SB	Win		759.0	1197.0	734.9	1303.9	110.	347.	AG	106.	100.0	.0	12.0	.76	5.6
34. SB	Win	dep	769.0	1150.0	785.0	1074.0	78.	168.	AG	180.	10.0	.0	32.0		
35. SB	Win	dep	785.0	1074.0	964.0	508.0	594.	162.	AG	180.	10.0	.0	32.0		
36. SB	Win	dep	964.0	508.0	1000.0	166.0	344.	174.	AG	180.	10.0	.0	32.0		

JOB: S3 US40 & Winans EXAM RUN: Site 3 Existing AM
DATE: 09/06/2012 TIME: 10:13:04.26

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION			CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB	US40		110	33	2.0	2235	1399	56.40	1	3
14. WB	US40		110	33	2.0	1375	1295	56.40	1	3
19. NB	Win		110	77	2.0	215	1239	56.40	1	3
33. SB	Win		110	77	2.0	245	1226	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	927.0	737.0	5.0
2. SE 164 S	865.0	933.0	5.0
3. SE 82 S	841.0	1012.0	5.0
4. SE CNR	818.0	1090.0	5.0
5. SE 82 E	898.0	1105.0	5.0
6. SE 164 E	979.0	1121.0	5.0
7. SE MID E	1183.0	1160.0	5.0
8. NE MID E	1193.0	1274.0	5.0
9. NE 164 E	954.0	1227.0	5.0
10. NE 82 E	874.0	1211.0	5.0
11. NE CNR	796.0	1198.0	5.0
12. NE 82 N	779.0	1276.0	5.0
13. NE 164 N	760.0	1355.0	5.0
14. NE MID N	658.0	1584.0	5.0
15. NW 164 N	702.0	1346.0	5.0
16. NW 82 N	723.0	1266.0	5.0
17. NW MID N	605.0	1561.0	5.0
18. NW CNR	733.0	1187.0	5.0
19. NW 82 W	660.0	1170.0	5.0
20. NW 164 W	578.0	1155.0	5.0

21. NW MID W	*	389.0	1118.0	5.0	*
22. SW MID W	*	405.0	1009.0	5.0	*
23. SW 164 W	*	605.0	1048.0	5.0	*
24. SW 82 W	*	686.0	1064.0	5.0	*
25. SW CNR	*	765.0	1076.0	5.0	*
26. SW 82 S	*	790.0	999.0	5.0	*
27. SW 164 S	*	814.0	922.0	5.0	*
28. SW MID S	*	877.0	719.0	5.0	*

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JOB: S3 US40 & Winans EXAM RUN: Site 3 Existing AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.4	.6	1.2	1.0	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.3	.0	.0
5.	.1	.3	.6	1.2	1.1	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.3	.0	.0
10.	.1	.3	.6	1.2	1.0	.9	.9	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.3	.0	.0
15.	.1	.3	.7	1.2	1.1	.9	.9	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.3	.0	.0
20.	.1	.4	.5	1.2	.9	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
25.	.1	.3	.4	1.2	1.1	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
30.	.1	.3	.5	1.2	1.1	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.1	.0
35.	.1	.2	.5	1.3	1.1	1.1	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.1	.0
40.	.1	.2	.6	1.3	1.2	1.2	1.3	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.2	.0
45.	.0	.2	.6	1.3	1.1	1.2	1.2	.0	.0	.1	.0	.0	.0	.0	.1	.3	.1	.3	.2	.0
50.	.1	.3	.5	1.3	1.3	1.2	1.2	.0	.0	.1	.1	.0	.0	.0	.0	.3	.1	.3	.2	.0
55.	.1	.2	.4	1.3	1.3	1.2	1.2	.0	.0	.1	.1	.0	.0	.0	.0	.3	.1	.3	.2	.1
60.	.1	.3	.5	1.5	1.3	1.5	1.4	.0	.1	.1	.1	.0	.0	.0	.0	.3	.1	.3	.2	.1
65.	.0	.3	.4	1.3	1.3	1.3	1.5	.2	.2	.2	.1	.0	.0	.0	.1	.3	.1	.3	.3	.2
70.	.0	.1	.4	1.5	1.5	1.5	1.4	.2	.2	.4	.2	.0	.0	.0	.1	.3	.1	.4	.5	.4
75.	.0	.1	.3	1.3	1.2	1.4	1.4	.5	.4	.5	.7	.0	.0	.0	.1	.3	.1	.6	.6	.6
80.	.0	.0	.2	1.0	1.0	1.1	1.2	.6	.8	.8	1.0	.0	.0	.0	.1	.3	.1	1.0	.8	1.0
85.	.0	.0	.0	.8	.8	.8	1.0	.8	1.0	1.1	1.2	.1	.0	.0	.1	.5	.1	1.2	1.1	1.1
90.	.0	.0	.0	.4	.6	.7	.7	.9	1.1	1.1	1.3	.4	.0	.0	.1	.6	.1	1.3	1.4	1.3
95.	.0	.0	.0	.2	.3	.3	.5	1.0	1.2	1.2	1.4	.5	.1	.0	.2	.8	.1	1.3	1.3	1.3
100.	.0	.0	.0	.2	.2	.2	.4	1.1	1.1	1.3	1.3	.7	.3	.0	.3	.9	.1	1.2	1.3	1.5
105.	.0	.0	.0	.1	.1	.2	.2	1.2	1.1	.9	1.2	.5	.4	.0	.2	.8	.1	1.3	1.4	1.6
110.	.0	.0	.0	.1	.1	.1	.1	1.0	1.1	.9	1.4	.4	.2	.0	.2	.8	.1	1.3	1.4	1.3
115.	.0	.0	.0	.1	.0	.1	.1	1.0	.9	.9	1.4	.4	.2	.0	.4	1.0	.1	1.2	1.4	1.3
120.	.0	.0	.0	.1	.0	.1	.1	1.0	.9	.9	1.4	.4	.3	.0	.4	1.0	.2	1.1	1.3	1.4
125.	.0	.0	.0	.1	.0	.1	.1	1.0	.9	.8	1.4	.6	.4	.1	.3	.9	.2	1.2	1.3	1.3
130.	.0	.0	.0	.0	.0	.1	.1	.9	.8	.8	1.2	.6	.3	.1	.5	1.0	.2	1.0	1.2	1.1
135.	.0	.0	.0	.0	.0	.1	.1	.9	.8	.8	1.3	.5	.2	.1	.6	1.0	.2	1.0	1.2	1.0
140.	.0	.0	.0	.0	.0	.1	.1	.9	.8	.8	1.2	.5	.3	.1	.6	.8	.2	.9	1.2	1.1
145.	.0	.0	.0	.0	.0	.0	.0	.8	.8	.8	1.1	.6	.4	.1	.5	.8	.2	1.1	1.2	1.1
150.	.0	.0	.0	.0	.0	.0	.0	.8	.8	.8	1.1	.6	.4	.1	.5	.9	.0	1.1	1.2	.9
155.	.1	.1	.1	.2	.0	.0	.0	.8	.8	.8	1.1	.5	.3	.0	.6	.7	.0	1.1	1.2	1.0
160.	.1	.1	.1	.2	.0	.0	.0	.8	.8	.9	1.0	.5	.3	.0	.6	.6	.1	1.0	1.2	.9
165.	.1	.1	.1	.2	.0	.0	.0	.8	.8	.9	1.2	.5	.3	.1	.6	.8	.2	1.1	1.2	.9
170.	.1	.1	.1	.2	.0	.0	.0	.9	.8	.9	1.1	.6	.6	.1	.5	.8	.2	1.1	1.2	.9
175.	.1	.2	.2	.4	.0	.0	.0	.8	.9	1.0	1.1	.6	.5	.2	.5	.5	.1	1.1	1.1	.9
180.	.2	.2	.2	.4	.0	.0	.0	.8	.8	1.0	1.1	.4	.6	.1	.4	.5	.1	1.0	1.1	.9
185.	.2	.2	.2	.4	.0	.0	.0	.8	.8	1.1	1.0	.7	.5	.1	.4	.5	.1	1.1	1.1	.9
190.	.2	.2	.2	.5	.0	.0	.0	.8	.9	1.1	.8	.8	.6	.1	.4	.5	.1	1.1	1.0	1.0
195.	.2	.2	.2	.5	.0	.0	.0	.8	.8	1.1	1.0	.7	.6	.2	.3	.5	.2	1.1	1.0	.9
200.	.2	.2	.2	.5	.0	.1	.1	.8	.8	1.2	1.0	.7	.6	.3	.4	.5	.2	1.2	1.1	.9
205.	.2	.2	.2	.4	.1	.1	.1	.9	.9	1.3	.9	.8	.5	.3	.4	.6	.2	1.2	1.1	.9

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JOB: S3 US40 & Winans EXAM RUN: Site 3 Existing AM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.2	.2	.2	.4	.1	.1	.1	.9	.8	1.3	1.2	.8	.6	.3	.4	.7	.2	1.2	1.1	1.0
215.	.1	.1	.2	.4	.2	.1	.1	.9	.9	1.3	1.1	.9	.6	.3	.3	.6	.2	1.1	1.1	1.1
220.	.1	.1	.2	.3	.2	.1	.1	.9	1.1	1.6	1.1	1.0	.6	.3	.3	.5	.2	1.2	1.1	1.0
225.	.1	.1	.2	.3	.2	.1	.1	.9	1.1	1.6	1.4	1.1	.4	.3	.4	.5	.2	1.3	1.2	1.2
230.	.1	.1	.2	.3	.2	.1	.2	1.0	1.1	1.5	1.4	.8	.4	.3	.3	.6	.2	1.2	1.2	1.2
235.	.1	.1	.2	.4	.2	.1	.2	1.1	1.2	1.6	1.5	.9	.4	.3	.4	.6	.2	1.3	1.3	1.2
240.	.1	.1	.3	.4	.3	.3	.3	1.1	1.4	1.7	1.3	.9	.3	.1	.2	.5	.0	1.4	1.3	1.2
245.	.1	.1	.3	.7	.5	.5	.4	1.3	1.5	1.6	1.4	.8	.3	.1	.2	.4	.0	1.3	1.3	1.2
250.	.1	.1	.4	1.1	1.0	.8	.7	1.2	1.4	1.5	1.4	.6	.3	.1	.2	.3	.0	1.1	1.2	1.2
255.	.1	.1	.4	1.2	1.1	1.1	1.1	1.1	1.2	1.4	1.1	.5	.3	.1	.1	.3	.0	1.0	1.1	1.1
260.	.1	.2	.5	1.5	1.3	1.4	1.4	.9	.8	1.1	1.1	.5	.0	.1	.0	.2	.0	.9	1.0	.9
265.	.1	.2	.7	1.7	1.5	1.6	1.6	.6	.8	.7	.8	.4	.0	.1	.0	.1	.0	.5	.6	.6
270.	.1	.3	.8	1.8	1.6	1.9	1.7	.3	.4	.5	.5	.3	.0	.1	.0	.0	.0	.4	.5	.5
275.	.2	.3	1.0	1.8	1.7	1.8	1.6	.1	.1	.4	.4	.3	.0	.1	.0	.0	.0	.2	.3	.3
280.	.2	.4	1.1	1.9	1.5	1.6	1.3	.1	.1	.2	.2	.3	.0	.1	.0	.0	.0	.2	.2	.2
285.	.3	.4	1.0	1.5	1.6	1.5	1.3	.1	.1	.2	.2	.2	.0	.1	.0	.0	.0	.0	.1	.1
290.	.3	.5	1.1	1.5	1.5	1.5	1.3	.1	.1	.2	.3	.2	.0	.1	.0	.0	.0	.0	.1	.1
295.	.4	.6	1.1	1.6	1.4	1.4	1.1	.0	.1	.1	.3	.2	.1	.0	.0	.0	.0	.0	.1	.1
300.	.4	.6	1.0	1.3	1.3	1.3	1.1	.0	.0	.1	.3	.2	.1	.0	.0	.0	.0	.0	.1	.1

305. *	.4	.8	1.0	1.4	1.3	1.3	1.1	.0	.0	.0	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.1
310. *	.3	.7	.9	1.2	1.4	1.2	1.1	.0	.0	.0	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
315. *	.4	.7	.9	1.2	1.3	1.0	1.0	.0	.0	.0	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
320. *	.3	.6	.9	1.2	1.2	1.0	.9	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
325. *	.3	.7	.8	1.2	1.2	1.0	.9	.0	.0	.0	.2	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0
330. *	.3	.6	.9	1.1	1.2	.9	.9	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
335. *	.2	.5	.8	1.1	1.2	.9	.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
340. *	.3	.6	.8	1.2	1.2	1.0	.9	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0
345. *	.2	.6	.9	1.2	1.2	1.1	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
350. *	.2	.6	.6	1.0	1.2	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
355. *	.2	.4	.5	1.1	1.1	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0	.0	.0
360. *	.1	.4	.6	1.2	1.0	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.3	.0	.0	.0
MAX *	.4	.8	1.1	1.9	1.7	1.9	1.7	1.3	1.5	1.7	1.5	1.1	.6	.3	.6	1.0	.2	1.4	1.4	1.6	
DEGR. *	295	305	290	280	275	270	270	245	245	240	235	225	170	200	135	115	120	240	90	105	

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JOB: S3 US40 & Winans EXAM RUN: Site 3 Existing AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	1.0	.9	1.4	1.2	.8	.6	.3
5. *	.0	1.0	.9	1.4	1.1	.8	.7	.4
10. *	.0	1.0	.9	1.4	1.0	.8	.7	.3
15. *	.0	1.0	.8	1.5	1.2	.9	.6	.3
20. *	.0	1.0	1.0	1.6	1.2	.9	.5	.3
25. *	.0	1.1	1.0	1.5	1.2	1.0	.5	.3
30. *	.1	1.1	1.0	1.5	1.1	.9	.6	.3
35. *	.1	1.2	1.1	1.5	1.3	.8	.4	.3
40. *	.1	1.2	1.3	1.7	1.3	.9	.4	.3
45. *	.1	1.3	1.2	1.7	1.3	.9	.4	.2
50. *	.1	1.3	1.5	1.7	1.4	.9	.4	.3
55. *	.1	1.4	1.5	1.8	1.6	.8	.4	.3
60. *	.2	1.4	1.6	1.7	1.6	.6	.4	.2
65. *	.3	1.5	1.5	1.7	1.6	.7	.5	.2
70. *	.4	1.6	1.4	1.5	1.5	.8	.3	.2
75. *	.8	1.5	1.4	1.2	1.4	.6	.3	.2
80. *	1.0	1.3	1.1	1.1	1.1	.5	.2	.2
85. *	1.2	.7	.7	.9	.7	.3	.2	.2
90. *	1.4	.5	.6	.5	.5	.3	.2	.2
95. *	1.5	.4	.3	.5	.5	.3	.2	.2
100. *	1.3	.2	.2	.2	.4	.3	.2	.2
105. *	1.1	.1	.1	.2	.3	.2	.2	.2
110. *	1.1	.1	.1	.2	.3	.2	.2	.2
115. *	1.1	.1	.1	.1	.4	.2	.2	.2
120. *	1.0	.1	.1	.1	.4	.2	.2	.2
125. *	1.0	.1	.1	.1	.4	.2	.2	.2
130. *	.9	.1	.1	.1	.4	.2	.2	.2
135. *	.9	.1	.1	.1	.4	.2	.2	.2
140. *	.9	.1	.0	.0	.3	.2	.2	.2
145. *	.9	.0	.0	.0	.3	.2	.2	.2
150. *	.9	.0	.0	.0	.3	.2	.2	.2
155. *	.9	.0	.0	.0	.3	.2	.2	.1
160. *	.9	.0	.0	.0	.2	.2	.1	.1
165. *	.9	.0	.0	.0	.1	.1	.1	.1
170. *	.9	.0	.0	.0	.1	.1	.1	.0
175. *	.9	.0	.0	.0	.0	.0	.0	.0
180. *	.9	.0	.0	.0	.0	.0	.0	.0
185. *	.9	.0	.0	.0	.0	.0	.0	.0
190. *	.9	.0	.0	.0	.0	.0	.0	.0
195. *	.9	.0	.0	.0	.0	.0	.0	.0
200. *	.9	.1	.0	.1	.0	.0	.0	.0
205. *	.9	.1	.0	.1	.0	.0	.0	.0

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JOB: S3 US40 & Winans EXAM RUN: Site 3 Existing AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	1.0	.1	.0	.1	.1	.0	.0	.0
215. *	1.0	.1	.0	.1	.1	.0	.0	.0
220. *	1.0	.1	.0	.1	.1	.0	.0	.0
225. *	1.1	.1	.0	.1	.1	.0	.0	.0
230. *	1.2	.2	.0	.1	.1	.0	.0	.0
235. *	1.2	.2	.1	.1	.1	.0	.0	.0
240. *	1.2	.3	.2	.3	.1	.0	.0	.0
245. *	1.2	.5	.3	.4	.4	.0	.0	.0
250. *	1.1	.6	.5	.6	.7	.1	.0	.0

255.	*	1.1	.9	.7	.8	.9	.1	.0	.0
260.	*	.9	1.1	1.0	1.1	1.2	.2	.1	.0
265.	*	.6	1.3	1.2	1.3	1.4	.4	.1	.0
270.	*	.5	1.4	1.4	1.4	1.6	.4	.2	.0
275.	*	.3	1.5	1.4	1.5	1.6	.6	.3	.1
280.	*	.2	1.4	1.3	1.4	1.7	.5	.4	.1
285.	*	.1	1.3	1.2	1.5	1.6	.5	.3	.2
290.	*	.1	1.3	1.2	1.4	1.7	.7	.3	.2
295.	*	.1	1.2	1.0	1.3	1.6	.5	.4	.2
300.	*	.1	1.2	1.1	1.4	1.5	.7	.3	.2
305.	*	.1	1.1	1.1	1.4	1.5	.7	.3	.2
310.	*	.1	1.1	1.0	1.3	1.4	.7	.5	.2
315.	*	.0	1.0	1.0	1.4	1.4	.6	.5	.2
320.	*	.0	1.0	1.0	1.3	1.4	.6	.4	.2
325.	*	.0	1.0	.9	1.2	1.2	.7	.4	.1
330.	*	.0	1.0	1.0	1.2	1.2	.7	.4	.1
335.	*	.0	1.0	.9	1.4	1.1	.6	.4	.1
340.	*	.0	1.0	.8	1.5	1.1	.6	.6	.2
345.	*	.0	1.0	1.0	1.5	1.3	.6	.6	.2
350.	*	.0	1.1	1.0	1.5	1.1	.7	.6	.3
355.	*	.0	1.0	1.0	1.5	1.3	.8	.7	.3
360.	*	.0	1.0	.9	1.4	1.2	.8	.6	.3
MAX	*	1.5	1.6	1.6	1.8	1.7	1.0	.7	.4
DEGR.	*	95	70	60	55	290	25	5	5

THE HIGHEST CONCENTRATION IS 1.90 PPM AT 280 DEGREES FROM REC4 .
THE 2ND HIGHEST CONCENTRATION IS 1.90 PPM AT 270 DEGREES FROM REC6 .
THE 3RD HIGHEST CONCENTRATION IS 1.80 PPM AT 55 DEGREES FROM REC24.

```
S3 US40 & Winans EXPM                    60.0321.0.0000.000280.30480000    1    1
SE MID S                  927.      737.       5.0
SE 164 S                  865.      933.       5.0
SE 82 S                   841.     1012.       5.0
SE CNR                    818.     1090.       5.0
SE 82 E                   898.     1105.       5.0
SE 164 E                  979.     1121.       5.0
SE MID E                 1183.     1160.       5.0
NE MID E                 1193.     1274.       5.0
NE 164  E                 954.     1227.       5.0
NE 82 E                   874.     1211.       5.0
NE CNR                    796.     1198.       5.0
NE 82 N                   779.     1276.       5.0
NE 164 N                  760.     1355.       5.0
NE MID N                  658.     1584.       5.0
NW 164 N                  702.     1346.       5.0
NW 82 N                   723.     1266.       5.0
NW MID N                  605.     1561.       5.0
NW CNR                    733.     1187.       5.0
NW 82 W                   660.     1170.       5.0
NW 164 W                  578.     1155.       5.0
NW MID W                  389.     1118.       5.0
SW MID W                  405.     1009.       5.0
SW 164 W                  605.     1048.       5.0
SW 82 W                   686.     1064.       5.0
SW CNR                    765.     1076.       5.0
SW 82 S                   790.      999.       5.0
SW 164 S                  814.      922.       5.0
SW MID S                  877.      719.       5.0
Site 3 Existing PM                       36  1   0
  1
EB        US40      AG  -196.   918.   455.  1047.   1570.10.0   0  56   35.
  1
EB        US40      AG   455.  1047.   589.  1081.   1570.10.0   0  56   35.
  1
EB        US40      AG   589.  1081.   780.  1117.   1570.10.0   0  68   35.
  2
EB        US40      AG   749.  1111.   596.  1083.      0.  48   4
       110        33       2.0 1570   56.4 1280 1 3
  1
EB        US40 dep  AG   780.  1117.   905.  1136.   1540.10.0   0  56   35.
  1
EB        US40 dep  AG   905.  1136.  1240.  1198.   1540.10.0   0  56   35.
  1
EB        US40 dep  AG  1240.  1198.  1423.  1221.   1540.10.0   0  56   35.
  1
EB        US40 dep  AG  1423.  1221.  1769.  1239.   1540.10.0   0  56   35.
  1
WB        US40      AG  1764.  1291.  1427.  1273.   2350.10.0   0  56   35.
  1
WB        US40      AG  1427.  1273.  1240.  1252.   2350.10.0   0  56   35.
  1
WB        US40      AG  1240.  1252.  1077.  1223.   2350.10.0   0  56   35.
  1
WB        US40      AG  1077.  1223.   969.  1194.   2350.10.0   0  56   35.
  1
WB        US40      AG   969.  1194.   778.  1158.   2350.10.0   0  68   35.
  2
WB        US40      AG   811.  1164.   956.  1191.      0.  48   4
       110        33       2.0 2350   56.4 1383 1 3
  1
WB        US40 dep  AG   778.  1158.   604.  1132.   2505.10.0   0  56   35.
  1
WB        US40 dep  AG   604.  1132.  -208.   975.   2505.10.0   0  56   35.
  1
NB        Win       AG  1016.   171.   977.   513.    265.10.0   0  32   30.
  1
NB        Win       AG   977.   513.   782.  1136.    265.10.0   0  32   30.
  2
NB        Win       AG   798.  1085.   858.   891.      0.  12   1
       110        77       2.0  265   56.4 1419 1 3
  1
NB        Win dep   AG   782.  1136.   738.  1358.     75.10.0   0  32   30.
  1
NB        Win dep   AG   738.  1358.   675.  1510.     75.10.0   0  32   30.
  1
NB        Win dep   AG   675.  1510.   610.  1621.     75.10.0   0  32   30.
  1
NB        Win dep   AG   610.  1621.   530.  1717.     75.10.0   0  32   30.
  1
NB        Win dep   AG   530.  1717.   414.  1856.     75.10.0   0  32   30.
```

```
  1
NB        Win dep   AG   414.  1856.   372.  1963.     75.10.0   0  32   30.
  1
NB        Win dep   AG   372.  1963.   356.  2049.     75.10.0   0  32   30.
  1
SB        Win       AG   340.  2038.   362.  1946.    100.10.0   0  32   30.
  1
SB        Win       AG   362.  1946.   397.  1851.    100.10.0   0  32   30.
  1
SB        Win       AG   397.  1851.   593.  1622.    100.10.0   0  32   30.
  1
SB        Win       AG   593.  1622.   660.  1510.    100.10.0   0  32   30.
  1
SB        Win       AG   660.  1510.   722.  1360.    100.10.0   0  32   30.
  1
SB        Win       AG   722.  1360.   769.  1150.    100.10.0   0  32   30.
  2
SB        Win       AG   759.  1197.   729.  1330.      0.  12   1
       110        77       2.0  100   56.4 1305 1 3
  1
SB        Win dep   AG   769.  1150.   785.  1074.    165.10.0   0  32   30.
  1
SB        Win dep   AG   785.  1074.   964.   508.    165.10.0   0  32   30.
  1
SB        Win dep   AG   964.   508.  1000.   166.    165.10.0   0  32   30.
1.0   04  1000   0Y  5  0 72
```

JOB: S3 US40 & Winans EXPM RUN: Site 3 Existing PM
DATE: 09/06/2012 TIME: 10:13:32.05

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION			LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	US40		-196.0	918.0	455.0	1047.0	664.	79.	AG	1570.	10.0	.0	56.0		
2. EB	US40		455.0	1047.0	589.0	1081.0	138.	76.	AG	1570.	10.0	.0	56.0		
3. EB	US40		589.0	1081.0	780.0	1117.0	194.	79.	AG	1570.	10.0	.0	68.0		
4. EB	US40		749.0	1111.0	679.4	1098.3	71.	260.	AG	182.	100.0	.0	48.0	.46	3.6
5. EB	US40	dep	780.0	1117.0	905.0	1136.0	126.	81.	AG	1540.	10.0	.0	56.0		
6. EB	US40	dep	905.0	1136.0	1240.0	1198.0	341.	80.	AG	1540.	10.0	.0	56.0		
7. EB	US40	dep	1240.0	1198.0	1423.0	1221.0	184.	83.	AG	1540.	10.0	.0	56.0		
8. EB	US40	dep	1423.0	1221.0	1769.0	1239.0	346.	87.	AG	1540.	10.0	.0	56.0		
9. WB	US40		1764.0	1291.0	1427.0	1273.0	337.	267.	AG	2350.	10.0	.0	56.0		
10. WB	US40		1427.0	1273.0	1240.0	1252.0	188.	264.	AG	2350.	10.0	.0	56.0		
11. WB	US40		1240.0	1252.0	1077.0	1223.0	166.	260.	AG	2350.	10.0	.0	56.0		
12. WB	US40		1077.0	1223.0	969.0	1194.0	112.	255.	AG	2350.	10.0	.0	56.0		
13. WB	US40		969.0	1194.0	778.0	1158.0	194.	259.	AG	2350.	10.0	.0	68.0		
14. WB	US40		811.0	1164.0	915.1	1183.4	106.	79.	AG	182.	100.0	.0	48.0	.64	5.4
15. WB	US40	dep	778.0	1158.0	604.0	1132.0	176.	262.	AG	2505.	10.0	.0	56.0		
16. WB	US40	dep	604.0	1132.0	-208.0	975.0	827.	259.	AG	2505.	10.0	.0	56.0		
17. NB	Win		1016.0	171.0	977.0	513.0	344.	353.	AG	265.	10.0	.0	32.0		
18. NB	Win		977.0	513.0	782.0	1136.0	653.	343.	AG	265.	10.0	.0	32.0		
19. NB	Win		798.0	1085.0	831.3	977.4	113.	163.	AG	106.	100.0	.0	12.0	.71	5.7
20. NB	Win	dep	782.0	1136.0	738.0	1358.0	226.	349.	AG	75.	10.0	.0	32.0		
21. NB	Win	dep	738.0	1358.0	675.0	1510.0	165.	337.	AG	75.	10.0	.0	32.0		
22. NB	Win	dep	675.0	1510.0	610.0	1621.0	129.	330.	AG	75.	10.0	.0	32.0		
23. NB	Win	dep	610.0	1621.0	530.0	1717.0	125.	320.	AG	75.	10.0	.0	32.0		
24. NB	Win	dep	530.0	1717.0	414.0	1856.0	181.	320.	AG	75.	10.0	.0	32.0		
25. NB	Win	dep	414.0	1856.0	372.0	1963.0	115.	339.	AG	75.	10.0	.0	32.0		
26. NB	Win	dep	372.0	1963.0	356.0	2049.0	87.	349.	AG	75.	10.0	.0	32.0		
27. SB	Win		340.0	2038.0	362.0	1946.0	95.	167.	AG	100.	10.0	.0	32.0		
28. SB	Win		362.0	1946.0	397.0	1851.0	101.	160.	AG	100.	10.0	.0	32.0		
29. SB	Win		397.0	1851.0	593.0	1622.0	301.	139.	AG	100.	10.0	.0	32.0		
30. SB	Win		593.0	1622.0	660.0	1510.0	131.	149.	AG	100.	10.0	.0	32.0		
31. SB	Win		660.0	1510.0	722.0	1360.0	162.	158.	AG	100.	10.0	.0	32.0		
32. SB	Win		722.0	1360.0	769.0	1150.0	215.	167.	AG	100.	10.0	.0	32.0		
33. SB	Win		759.0	1197.0	749.7	1238.1	42.	347.	AG	106.	100.0	.0	12.0	.29	2.1
34. SB	Win	dep	769.0	1150.0	785.0	1074.0	78.	168.	AG	165.	10.0	.0	32.0		
35. SB	Win	dep	785.0	1074.0	964.0	508.0	594.	162.	AG	165.	10.0	.0	32.0		
36. SB	Win	dep	964.0	508.0	1000.0	166.0	344.	174.	AG	165.	10.0	.0	32.0		

JOB: S3 US40 & Winans EXPM RUN: Site 3 Existing PM
DATE: 09/06/2012 TIME: 10:13:32.05

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION			CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB	US40		110	33	2.0	1570	1280	56.40	1	3
14. WB	US40		110	33	2.0	2350	1383	56.40	1	3
19. NB	Win		110	77	2.0	265	1419	56.40	1	3
33. SB	Win		110	77	2.0	100	1305	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	927.0	737.0	5.0
2. SE 164 S	865.0	933.0	5.0
3. SE 82 S	841.0	1012.0	5.0
4. SE CNR	818.0	1090.0	5.0
5. SE 82 E	898.0	1105.0	5.0
6. SE 164 E	979.0	1121.0	5.0
7. SE MID E	1183.0	1160.0	5.0
8. NE MID E	1193.0	1274.0	5.0
9. NE 164 E	954.0	1227.0	5.0
10. NE 82 E	874.0	1211.0	5.0
11. NE CNR	796.0	1198.0	5.0
12. NE 82 N	779.0	1276.0	5.0
13. NE 164 N	760.0	1355.0	5.0
14. NE MID N	658.0	1584.0	5.0
15. NW 164 N	702.0	1346.0	5.0
16. NW 82 N	723.0	1266.0	5.0
17. NW MID N	605.0	1561.0	5.0
18. NW CNR	733.0	1187.0	5.0
19. NW 82 W	660.0	1170.0	5.0
20. NW 164 W	578.0	1155.0	5.0

21. NW MID W	*	389.0	1118.0	5.0	*
22. SW MID W	*	405.0	1009.0	5.0	*
23. SW 164 W	*	605.0	1048.0	5.0	*
24. SW 82 W	*	686.0	1064.0	5.0	*
25. SW CNR	*	765.0	1076.0	5.0	*
26. SW 82 S	*	790.0	999.0	5.0	*
27. SW 164 S	*	814.0	922.0	5.0	*
28. SW MID S	*	877.0	719.0	5.0	*

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JOB: S3 US40 & Winans EXPM RUN: Site 3 Existing PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.2	.4	.6	1.1	1.1	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	.2	.4	.6	1.1	1.1	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
10.	.1	.5	.6	1.2	1.1	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
15.	.1	.5	.6	1.2	1.0	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
20.	.2	.3	.6	1.3	1.1	.9	.9	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
25.	.2	.3	.6	1.3	1.1	1.0	.9	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2	.1	.0
30.	.2	.4	.6	1.3	1.2	1.0	1.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2	.1	.0
35.	.0	.3	.6	1.3	1.1	1.1	1.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2	.1	.0
40.	.0	.3	.6	1.4	1.2	1.1	1.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2	.1	.0
45.	.1	.3	.5	1.3	1.1	1.1	1.0	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2	.1	.0
50.	.1	.3	.5	1.4	1.1	1.2	1.2	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2	.1	.0
55.	.1	.3	.5	1.3	1.1	1.2	1.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	.1	.1
60.	.0	.3	.5	1.2	1.3	1.1	1.1	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.2	.3	.2
65.	.0	.1	.5	1.3	1.4	1.3	1.3	.2	.2	.4	.3	.0	.0	.0	.0	.0	.0	.3	.3	.4
70.	.0	.1	.4	1.2	1.2	1.3	1.2	.5	.5	.6	.6	.0	.0	.0	.0	.0	.0	.6	.6	.6
75.	.0	.0	.2	1.1	1.3	1.1	1.0	.6	.7	1.0	1.0	.0	.0	.0	.0	.0	.0	.9	1.0	1.0
80.	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	.9	1.2	1.3	.1	.0	.0	.0	.0	.0	1.3	1.3	1.5
85.	.0	.0	.0	.5	.6	.8	.7	1.1	1.4	1.6	1.6	.3	.0	.0	.0	.4	.0	1.4	1.6	1.8
90.	.0	.0	.0	.3	.3	.3	.6	1.4	1.5	1.8	1.6	.5	.1	.0	.1	.6	.0	1.6	1.5	1.8
95.	.0	.0	.0	.2	.2	.2	.3	1.4	1.6	1.6	1.6	.6	.3	.0	.3	.6	.0	1.6	1.6	1.9
100.	.0	.0	.0	.2	.1	.2	.2	1.5	1.4	1.6	1.6	.5	.3	.0	.4	.6	.0	1.5	1.6	1.7
105.	.0	.0	.0	.1	.1	.1	.1	1.4	1.4	1.5	1.7	.4	.4	.0	.3	.6	.0	1.3	1.6	1.7
110.	.0	.0	.0	.0	.0	.1	.1	1.4	1.2	1.4	1.7	.7	.3	.0	.4	.6	.0	1.4	1.7	1.7
115.	.0	.0	.0	.0	.0	.1	.1	1.2	1.2	1.5	1.6	.6	.4	.0	.4	.6	.0	1.4	1.4	1.5
120.	.0	.0	.0	.0	.0	.1	.1	1.1	1.2	1.5	1.6	.7	.4	.0	.4	.7	.0	1.3	1.5	1.4
125.	.0	.0	.0	.0	.0	.1	.1	1.1	1.1	1.4	1.6	.6	.3	.0	.5	.8	.1	1.1	1.5	1.4
130.	.0	.0	.0	.0	.0	.0	.1	1.0	1.1	1.4	1.5	.7	.4	.1	.4	.7	.1	1.3	1.4	1.4
135.	.0	.0	.0	.0	.0	.0	.0	1.2	1.0	1.3	1.5	.7	.5	.1	.5	.6	.2	1.1	1.3	1.3
140.	.0	.0	.0	.0	.0	.0	.0	1.1	1.0	1.3	1.4	.7	.4	.2	.4	.7	.1	1.3	1.4	1.2
145.	.0	.0	.0	.0	.0	.0	.0	1.0	.9	1.4	1.3	.7	.5	.1	.4	.6	.1	1.1	1.4	1.2
150.	.0	.1	.1	.0	.0	.0	.0	.9	1.0	1.5	1.3	.6	.4	.1	.5	.7	.1	1.3	1.2	1.2
155.	.1	.1	.1	.2	.0	.0	.0	1.0	1.0	1.5	1.3	.6	.4	.1	.4	.7	.2	1.3	1.2	1.0
160.	.1	.1	.1	.2	.0	.0	.0	1.0	1.0	1.5	1.3	.5	.4	.1	.4	.6	.1	1.3	1.3	1.2
165.	.1	.1	.1	.2	.0	.0	.0	1.0	1.0	1.5	1.4	.6	.5	.2	.4	.8	.2	1.2	1.3	1.1
170.	.1	.1	.1	.3	.0	.0	.0	1.0	1.1	1.6	1.2	.6	.4	.1	.4	.6	.2	1.2	1.2	1.1
175.	.1	.2	.3	.4	.0	.0	.0	1.1	1.0	1.4	1.3	.6	.4	.2	.4	.6	.2	1.2	1.2	1.1
180.	.1	.2	.3	.4	.0	.0	.0	1.0	1.0	1.4	1.3	.6	.3	.1	.4	.6	.2	1.2	1.2	1.1
185.	.1	.2	.3	.5	.0	.0	.0	1.0	.9	1.5	1.2	.7	.5	.2	.4	.6	.1	1.2	1.0	1.1
190.	.2	.2	.3	.5	.0	.0	.0	1.0	.8	1.5	.9	.6	.4	.2	.3	.6	.1	1.3	1.0	1.0
195.	.2	.2	.4	.4	.0	.0	.0	1.0	1.0	1.6	1.1	.7	.4	.1	.4	.6	.1	1.3	1.0	1.1
200.	.1	.2	.3	.4	.0	.0	.0	1.0	1.1	1.6	1.1	.7	.3	.1	.4	.6	.1	1.2	1.0	1.1
205.	.1	.1	.3	.4	.0	.0	.0	1.1	1.1	1.6	1.2	.7	.4	.1	.4	.5	.2	1.3	1.3	1.2

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JOB: S3 US40 & Winans EXPM RUN: Site 3 Existing PM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.1	.1	.3	.4	.1	.0	.1	1.1	1.0	1.6	1.2	.7	.4	.2	.4	.6	.2	1.3	1.2	1.2
215.	.1	.1	.3	.4	.1	.1	.1	1.1	1.3	1.7	1.3	.8	.4	.2	.4	.6	.2	1.3	1.2	1.3
220.	.1	.1	.3	.3	.1	.1	.1	1.2	1.3	1.8	1.4	.7	.4	.2	.4	.6	.2	1.3	1.4	1.3
225.	.1	.1	.3	.3	.2	.1	.1	1.3	1.5	1.8	1.4	.7	.5	.2	.4	.7	.2	1.4	1.6	1.4
230.	.1	.1	.3	.3	.2	.1	.1	1.3	1.6	1.8	1.5	.7	.3	.2	.4	.6	.2	1.4	1.5	1.5
235.	.1	.1	.4	.3	.2	.1	.1	1.5	1.7	1.8	1.7	.8	.3	.1	.4	.6	.1	1.4	1.6	1.5
240.	.1	.1	.4	.4	.2	.1	.2	1.3	1.7	2.0	1.6	.6	.3	.1	.3	.6	.1	1.5	1.7	1.6
245.	.1	.1	.4	.6	.4	.2	.3	1.6	1.8	2.0	1.7	.5	.3	.0	.3	.5	.0	1.4	1.6	1.6
250.	.1	.1	.4	.8	.6	.6	.5	1.6	1.8	1.8	1.4	.4	.3	.0	.3	.4	.0	1.5	1.6	1.5
255.	.1	.1	.6	1.1	1.0	.8	.8	1.5	1.6	1.5	1.4	.3	.1	.0	.1	.4	.0	1.3	1.6	1.5
260.	.1	.1	.6	1.3	1.1	1.2	1.3	1.2	1.4	1.4	1.1	.2	.1	.0	.1	.2	.0	.9	1.2	1.2
265.	.1	.3	.7	1.5	1.4	1.3	1.5	.8	1.0	1.0	.9	.1	.0	.0	.0	.1	.0	.8	1.0	1.0
270.	.1	.3	.8	1.6	1.6	1.6	1.4	.6	.6	.7	.5	.1	.0	.0	.0	.1	.0	.5	.7	.7
275.	.1	.4	1.0	1.6	1.5	1.5	1.4	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.3	.5	.5
280.	.3	.4	1.0	1.6	1.4	1.5	1.5	.2	.2	.2	.3	.0	.0	.0	.0	.0	.0	.2	.3	.3
285.	.3	.5	1.1	1.5	1.5	1.6	1.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.2	.2
290.	.3	.6	1.1	1.4	1.5	1.4	1.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.2
295.	.3	.5	1.1	1.4	1.3	1.4	1.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
300.	.3	.5	1.0	1.3	1.4	1.3	1.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1

305. *	.3	.5	1.0	1.3	1.2	1.3	1.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
310. *	.3	.6	1.0	1.2	1.2	1.2	.9	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
315. *	.3	.7	.9	1.1	1.4	1.1	1.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
320. *	.5	.6	1.0	1.0	1.3	1.1	.9	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
325. *	.4	.6	.9	1.1	1.3	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330. *	.3	.7	.8	1.0	1.3	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335. *	.3	.6	.7	1.0	1.1	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340. *	.3	.6	.9	1.0	1.2	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345. *	.2	.6	.8	1.1	1.3	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350. *	.2	.6	.8	1.1	1.3	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355. *	.2	.5	.5	1.1	1.3	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360. *	.2	.4	.6	1.1	1.1	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX *	.5	.7	1.1	1.6	1.6	1.6	1.5	1.6	1.8	2.0	1.7	.8	.5	.2	.5	.8	.2	1.6	1.7	1.9
DEGR. *	320	315	285	270	270	270	265	245	250	240	105	215	135	140	125	165	135	90	110	95

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JOB: S3 US40 & Winans EXPM RUN: Site 3 Existing PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.9	.8	1.2	1.0	.9	.7	.3
5. *	.0	.9	.9	1.2	1.1	.9	.7	.3
10. *	.0	.9	.8	1.2	.9	.8	.7	.4
15. *	.1	.9	.8	1.2	1.2	.9	.7	.3
20. *	.1	.9	1.0	1.4	1.2	.9	.8	.3
25. *	.1	1.0	.9	1.5	1.2	.9	.8	.3
30. *	.1	1.1	.9	1.5	1.4	1.0	.6	.3
35. *	.1	1.1	1.0	1.5	1.3	1.0	.5	.3
40. *	.1	1.0	1.1	1.7	1.3	1.0	.6	.2
45. *	.1	1.2	1.2	1.7	1.5	1.0	.5	.2
50. *	.2	1.1	1.2	1.6	1.5	1.0	.4	.3
55. *	.2	1.2	1.5	1.8	1.6	.9	.5	.2
60. *	.3	1.3	1.6	1.8	1.5	.9	.5	.2
65. *	.5	1.3	1.6	1.7	1.6	.8	.4	.2
70. *	.8	1.1	1.5	1.4	1.5	.8	.3	.2
75. *	1.0	1.1	1.2	1.5	1.3	.6	.2	.2
80. *	1.4	.9	.8	.8	1.1	.4	.2	.2
85. *	1.6	.6	.7	.7	.4	.4	.2	.2
90. *	1.7	.4	.4	.5	.4	.4	.2	.2
95. *	1.5	.2	.2	.2	.5	.4	.2	.2
100. *	1.5	.1	.1	.2	.3	.4	.2	.2
105. *	1.5	.1	.1	.2	.3	.3	.2	.2
110. *	1.4	.1	.1	.2	.3	.3	.2	.2
115. *	1.2	.1	.1	.2	.3	.3	.2	.2
120. *	1.3	.1	.1	.2	.4	.3	.2	.2
125. *	1.2	.1	.0	.1	.4	.3	.2	.2
130. *	1.2	.1	.0	.0	.4	.3	.2	.2
135. *	1.0	.0	.0	.0	.4	.2	.2	.2
140. *	1.1	.0	.0	.0	.4	.2	.2	.2
145. *	1.1	.0	.0	.0	.3	.2	.2	.2
150. *	1.1	.0	.0	.0	.3	.2	.2	.2
155. *	1.0	.0	.0	.0	.3	.2	.2	.2
160. *	1.0	.0	.0	.0	.3	.2	.2	.1
165. *	1.1	.0	.0	.0	.2	.1	.1	.1
170. *	1.1	.0	.0	.0	.1	.1	.1	.0
175. *	1.1	.0	.0	.0	.0	.0	.0	.0
180. *	1.1	.0	.0	.0	.0	.0	.0	.0
185. *	1.1	.0	.0	.0	.0	.0	.0	.0
190. *	1.1	.0	.0	.0	.0	.0	.0	.0
195. *	1.1	.0	.0	.0	.0	.0	.0	.0
200. *	1.1	.0	.0	.0	.0	.0	.0	.0
205. *	1.2	.0	.0	.0	.0	.0	.0	.0

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JOB: S3 US40 & Winans EXPM RUN: Site 3 Existing PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	1.2	.1	.0	.0	.0	.0	.0	.0
215. *	1.2	.1	.0	.1	.0	.0	.0	.0
220. *	1.3	.1	.0	.1	.0	.0	.0	.0
225. *	1.4	.1	.0	.1	.0	.0	.0	.0
230. *	1.4	.1	.0	.1	.1	.0	.0	.0
235. *	1.5	.2	.0	.1	.1	.0	.0	.0
240. *	1.6	.2	.2	.1	.1	.0	.0	.0
245. *	1.6	.3	.2	.4	.3	.0	.0	.0
250. *	1.5	.6	.5	.5	.5	.0	.0	.0

255.	*	1.4	.7	.6	.7	.8	.2	.0	.0
260.	*	1.2	.9	.9	1.0	1.0	.2	.0	.0
265.	*	1.0	1.1	1.1	1.1	1.1	.3	.2	.0
270.	*	.6	1.2	1.2	1.3	1.4	.4	.2	.0
275.	*	.5	1.3	1.3	1.2	1.5	.5	.3	.0
280.	*	.3	1.3	1.2	1.2	1.5	.6	.3	.2
285.	*	.2	1.2	1.2	1.3	1.5	.6	.4	.2
290.	*	.2	1.2	1.2	1.1	1.4	.5	.4	.2
295.	*	.1	1.1	1.1	1.1	1.4	.6	.4	.2
300.	*	.1	1.1	1.0	1.1	1.4	.7	.4	.2
305.	*	.1	1.1	1.0	1.0	1.4	.6	.5	.2
310.	*	.1	.9	.9	1.0	1.3	.6	.3	.1
315.	*	.1	.9	.9	1.0	1.3	.6	.3	.1
320.	*	.1	.9	.9	1.0	1.3	.5	.4	.1
325.	*	.0	.9	.9	1.0	1.1	.5	.4	.3
330.	*	.0	.9	.8	1.0	1.1	.5	.4	.3
335.	*	.0	.9	.8	.9	1.0	.5	.4	.2
340.	*	.0	.9	1.0	1.1	1.0	.5	.6	.3
345.	*	.0	.9	.9	1.1	1.1	.7	.7	.4
350.	*	.0	.9	.9	1.2	1.1	.7	.7	.4
355.	*	.0	.9	1.0	1.2	1.0	.7	.8	.3
360.	*	.0	.9	.8	1.2	1.0	.9	.7	.3
MAX	*	1.7	1.3	1.6	1.8	1.6	1.0	.8	.4
DEGR.	*	90	60	60	60	55	30	20	10

THE HIGHEST CONCENTRATION IS 2.00 PPM AT 240 DEGREES FROM REC10.
THE 2ND HIGHEST CONCENTRATION IS 1.90 PPM AT 95 DEGREES FROM REC20.
THE 3RD HIGHEST CONCENTRATION IS 1.80 PPM AT 250 DEGREES FROM REC9 .

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S3 US40 & Winans NBAM21                 60.0321.0.0000.000280.30480000    1    1
SE MID S                  927.      737.       5.0
SE 164 S                  865.      933.       5.0
SE 82 S                   841.     1012.       5.0
SE CNR                    818.     1090.       5.0
SE 82 E                   898.     1105.       5.0
SE 164 E                  979.     1121.       5.0
SE MID E                 1183.     1160.       5.0
NE MID E                 1193.     1274.       5.0
NE 164  E                 954.     1227.       5.0
NE 82 E                   874.     1211.       5.0
NE CNR                    796.     1198.       5.0
NE 82 N                   779.     1276.       5.0
NE 164 N                  760.     1355.       5.0
NE MID N                  658.     1584.       5.0
NW 164 N                  702.     1346.       5.0
NW 82 N                   723.     1266.       5.0
NW MID N                  605.     1561.       5.0
NW CNR                    733.     1187.       5.0
NW 82 W                   660.     1170.       5.0
NW 164 W                  578.     1155.       5.0
NW MID W                  389.     1118.       5.0
SW MID W                  405.     1009.       5.0
SW 164 W                  605.     1048.       5.0
SW 82 W                   686.     1064.       5.0
SW CNR                    765.     1076.       5.0
SW 82 S                   790.      999.       5.0
SW 164 S                  814.      922.       5.0
SW MID S                  877.      719.       5.0
Site 3 No Build AM 2021                  36  1   0
  1
EB        US40      AG  -196.   918.   455.  1047.   2485. 8.1   0  56   35.
  1
EB        US40      AG   455.  1047.   589.  1081.   2485. 8.1   0  56   35.
  1
EB        US40      AG   589.  1081.   780.  1117.   2485. 8.1   0  68   35.
  2
EB        US40      AG   749.  1111.   596.  1083.      0.  48   4
       110        36       2.0 2485   43.6 1356 1 3
  1
EB        US40 dep  AG   780.  1117.   905.  1136.   2490. 8.1   0  56   35.
  1
EB        US40 dep  AG   905.  1136.  1240.  1198.   2490. 8.1   0  56   35.
  1
EB        US40 dep  AG  1240.  1198.  1423.  1221.   2490. 8.1   0  56   35.
  1
EB        US40 dep  AG  1423.  1221.  1769.  1239.   2490. 8.1   0  56   35.
  1
WB        US40      AG  1764.  1291.  1427.  1273.   1585. 8.1   0  56   35.
  1
WB        US40      AG  1427.  1273.  1240.  1252.   1585. 8.1   0  56   35.
  1
WB        US40      AG  1240.  1252.  1077.  1223.   1585. 8.1   0  56   35.
  1
WB        US40      AG  1077.  1223.   969.  1194.   1585. 8.1   0  56   35.
  1
WB        US40      AG   969.  1194.   778.  1158.   1585. 8.1   0  68   35.
  2
WB        US40      AG   811.  1164.   956.  1191.      0.  48   4
       110        36       2.0 1585   43.6 1296 1 3
  1
WB        US40 dep  AG   778.  1158.   604.  1132.   2000. 8.1   0  56   35.
  1
WB        US40 dep  AG   604.  1132.  -208.   975.   2000. 8.1   0  56   35.
  1
NB        Win       AG  1016.   171.   977.   513.    230. 8.1   0  32   30.
  1
NB        Win       AG   977.   513.   782.  1136.    230. 8.1   0  32   30.
  2
NB        Win       AG   798.  1085.   858.   891.      0.  12   1
       110        82       2.0  230   43.6 1239 1 3
  1
NB        Win dep   AG   782.  1136.   738.  1358.    135. 8.1   0  32   30.
  1
NB        Win dep   AG   738.  1358.   675.  1510.    135. 8.1   0  32   30.
  1
NB        Win dep   AG   675.  1510.   610.  1621.    135. 8.1   0  32   30.
  1
NB        Win dep   AG   610.  1621.   530.  1717.    135. 8.1   0  32   30.
  1
NB        Win dep   AG   530.  1717.   414.  1856.    135. 8.1   0  32   30.
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  1
NB        Win dep   AG   414.  1856.   372.  1963.    135. 8.1   0  32   30.
  1
NB        Win dep   AG   372.  1963.   356.  2049.    135. 8.1   0  32   30.
  1
SB        Win       AG   340.  2038.   362.  1946.    260. 8.1   0  32   30.
  1
SB        Win       AG   362.  1946.   397.  1851.    260. 8.1   0  32   30.
  1
SB        Win       AG   397.  1851.   593.  1622.    260. 8.1   0  32   30.
  1
SB        Win       AG   593.  1622.   660.  1510.    260. 8.1   0  32   30.
  1
SB        Win       AG   660.  1510.   722.  1360.    260. 8.1   0  32   30.
  1
SB        Win       AG   722.  1360.   769.  1150.    260. 8.1   0  32   30.
  2
SB        Win       AG   759.  1197.   729.  1330.      0.  12   1
       110        82       2.0  260   43.6 1261 1 3
  1
SB        Win dep   AG   769.  1150.   785.  1074.    235. 8.1   0  32   30.
  1
SB        Win dep   AG   785.  1074.   964.   508.    235. 8.1   0  32   30.
  1
SB        Win dep   AG   964.   508.  1000.   166.    235. 8.1   0  32   30.
1.0   04  1000   0Y  5  0 72
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JOB: S3 US40 & Winans NBAM21 RUN: Site 3 No Build AM 2021
DATE: 09/06/2012 TIME: 10:30:50.20

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION			LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	US40		-196.0	918.0	455.0	1047.0	664.	79.	AG	2485.	8.1	.0	56.0		
2. EB	US40		455.0	1047.0	589.0	1081.0	138.	76.	AG	2485.	8.1	.0	56.0		
3. EB	US40		589.0	1081.0	780.0	1117.0	194.	79.	AG	2485.	8.1	.0	68.0		
4. EB	US40		749.0	1111.0	628.8	1089.0	122.	260.	AG	153.	100.0	.0	48.0	.72	6.2
5. EB	US40	dep	780.0	1117.0	905.0	1136.0	126.	81.	AG	2490.	8.1	.0	56.0		
6. EB	US40	dep	905.0	1136.0	1240.0	1198.0	341.	80.	AG	2490.	8.1	.0	56.0		
7. EB	US40	dep	1240.0	1198.0	1423.0	1221.0	184.	83.	AG	2490.	8.1	.0	56.0		
8. EB	US40	dep	1423.0	1221.0	1769.0	1239.0	346.	87.	AG	2490.	8.1	.0	56.0		
9. WB	US40		1764.0	1291.0	1427.0	1273.0	337.	267.	AG	1585.	8.1	.0	56.0		
10. WB	US40		1427.0	1273.0	1240.0	1252.0	188.	264.	AG	1585.	8.1	.0	56.0		
11. WB	US40		1240.0	1252.0	1077.0	1223.0	166.	260.	AG	1585.	8.1	.0	56.0		
12. WB	US40		1077.0	1223.0	969.0	1194.0	112.	255.	AG	1585.	8.1	.0	56.0		
13. WB	US40		969.0	1194.0	778.0	1158.0	194.	259.	AG	1585.	8.1	.0	68.0		
14. WB	US40		811.0	1164.0	887.6	1178.3	78.	79.	AG	153.	100.0	.0	48.0	.48	4.0
15. WB	US40	dep	778.0	1158.0	604.0	1132.0	176.	262.	AG	2000.	8.1	.0	56.0		
16. WB	US40	dep	604.0	1132.0	-208.0	975.0	827.	259.	AG	2000.	8.1	.0	56.0		
17. NB	Win		1016.0	171.0	977.0	513.0	344.	353.	AG	230.	8.1	.0	32.0		
18. NB	Win		977.0	513.0	782.0	1136.0	653.	343.	AG	230.	8.1	.0	32.0		
19. NB	Win		798.0	1085.0	834.9	965.7	125.	163.	AG	87.	100.0	.0	12.0	.85	6.3
20. NB	Win	dep	782.0	1136.0	738.0	1358.0	226.	349.	AG	135.	8.1	.0	32.0		
21. NB	Win	dep	738.0	1358.0	675.0	1510.0	165.	337.	AG	135.	8.1	.0	32.0		
22. NB	Win	dep	675.0	1510.0	610.0	1621.0	129.	330.	AG	135.	8.1	.0	32.0		
23. NB	Win	dep	610.0	1621.0	530.0	1717.0	125.	320.	AG	135.	8.1	.0	32.0		
24. NB	Win	dep	530.0	1717.0	414.0	1856.0	181.	320.	AG	135.	8.1	.0	32.0		
25. NB	Win	dep	414.0	1856.0	372.0	1963.0	115.	339.	AG	135.	8.1	.0	32.0		
26. NB	Win	dep	372.0	1963.0	356.0	2049.0	87.	349.	AG	135.	8.1	.0	32.0		
27. SB	Win		340.0	2038.0	362.0	1946.0	95.	167.	AG	260.	8.1	.0	32.0		
28. SB	Win		362.0	1946.0	397.0	1851.0	101.	160.	AG	260.	8.1	.0	32.0		
29. SB	Win		397.0	1851.0	593.0	1622.0	301.	139.	AG	260.	8.1	.0	32.0		
30. SB	Win		593.0	1622.0	660.0	1510.0	131.	149.	AG	260.	8.1	.0	32.0		
31. SB	Win		660.0	1510.0	722.0	1360.0	162.	158.	AG	260.	8.1	.0	32.0		
32. SB	Win		722.0	1360.0	769.0	1150.0	215.	167.	AG	260.	8.1	.0	32.0		
33. SB	Win		759.0	1197.0	722.0	1360.9	168.	347.	AG	87.	100.0	.0	12.0	.95	8.5
34. SB	Win	dep	769.0	1150.0	785.0	1074.0	78.	168.	AG	235.	8.1	.0	32.0		
35. SB	Win	dep	785.0	1074.0	964.0	508.0	594.	162.	AG	235.	8.1	.0	32.0		
36. SB	Win	dep	964.0	508.0	1000.0	166.0	344.	174.	AG	235.	8.1	.0	32.0		

JOB: S3 US40 & Winans NBAM21 RUN: Site 3 No Build AM 2021
DATE: 09/06/2012 TIME: 10:30:50.20

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION			CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB	US40		110	36	2.0	2485	1356	43.60	1	3
14. WB	US40		110	36	2.0	1585	1296	43.60	1	3
19. NB	Win		110	82	2.0	230	1239	43.60	1	3
33. SB	Win		110	82	2.0	260	1261	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	927.0	737.0	5.0
2. SE 164 S	865.0	933.0	5.0
3. SE 82 S	841.0	1012.0	5.0
4. SE CNR	818.0	1090.0	5.0
5. SE 82 E	898.0	1105.0	5.0
6. SE 164 E	979.0	1121.0	5.0
7. SE MID E	1183.0	1160.0	5.0
8. NE MID E	1193.0	1274.0	5.0
9. NE 164 E	954.0	1227.0	5.0
10. NE 82 E	874.0	1211.0	5.0
11. NE CNR	796.0	1198.0	5.0
12. NE 82 N	779.0	1276.0	5.0
13. NE 164 N	760.0	1355.0	5.0
14. NE MID N	658.0	1584.0	5.0
15. NW 164 N	702.0	1346.0	5.0
16. NW 82 N	723.0	1266.0	5.0
17. NW MID N	605.0	1561.0	5.0
18. NW CNR	733.0	1187.0	5.0
19. NW 82 W	660.0	1170.0	5.0
20. NW 164 W	578.0	1155.0	5.0

21. NW MID W	*	389.0	1118.0	5.0	*
22. SW MID W	*	405.0	1009.0	5.0	*
23. SW 164 W	*	605.0	1048.0	5.0	*
24. SW 82 W	*	686.0	1064.0	5.0	*
25. SW CNR	*	765.0	1076.0	5.0	*
26. SW 82 S	*	790.0	999.0	5.0	*
27. SW 164 S	*	814.0	922.0	5.0	*
28. SW MID S	*	877.0	719.0	5.0	*

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JOB: S3 US40 & Winans NBAM21 RUN: Site 3 No Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.3	.5	1.0	1.0	.9	.8	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
5.	.1	.3	.5	1.0	.9	.9	.8	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
10.	.1	.3	.4	1.1	.9	.8	.8	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
15.	.1	.3	.5	1.1	.8	.8	.8	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
20.	.1	.3	.5	1.1	.9	.8	.9	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.1	.0
25.	.1	.2	.4	1.1	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.1	.0
30.	.1	.2	.4	1.1	1.0	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.1	.0
35.	.1	.2	.5	1.2	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.2	.0
40.	.0	.2	.5	1.1	1.1	1.1	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.2	.0
45.	.0	.2	.4	1.1	1.0	1.0	1.2	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.2	.0
50.	.1	.2	.4	1.3	1.2	1.1	1.0	.0	.0	.1	.1	.0	.0	.0	.1	.3	.1	.2	.2	.0
55.	.1	.2	.4	1.3	1.1	1.1	1.1	.0	.0	.1	.1	.0	.0	.0	.1	.3	.1	.2	.2	.1
60.	.0	.2	.2	1.2	1.1	1.3	1.4	.0	.0	.1	.1	.0	.0	.0	.1	.3	.1	.2	.2	.1
65.	.0	.3	.3	1.2	1.2	1.2	1.2	.2	.2	.1	.1	.0	.0	.0	.1	.3	.1	.3	.3	.3
70.	.0	.1	.3	1.3	1.3	1.3	1.2	.2	.2	.3	.2	.0	.0	.0	.2	.3	.1	.4	.3	.4
75.	.0	.0	.3	1.0	1.1	1.3	1.2	.4	.4	.5	.5	.0	.0	.0	.3	.3	.1	.6	.6	.6
80.	.0	.0	.2	.9	.9	.9	1.2	.6	.7	.7	.7	.0	.0	.0	.3	.3	.1	.7	.8	1.0
85.	.0	.0	.0	.7	.7	.8	.9	.8	.9	.9	1.2	.0	.0	.0	.3	.4	.1	1.0	1.0	1.0
90.	.0	.0	.0	.4	.5	.6	.5	.9	.9	1.0	1.3	.3	.0	.0	.3	.5	.1	1.2	1.2	1.3
95.	.0	.0	.0	.2	.2	.3	.5	1.0	.8	1.1	1.2	.5	.1	.0	.3	.6	.1	1.1	1.3	1.3
100.	.0	.0	.0	.2	.2	.2	.3	1.0	1.1	1.1	1.2	.5	.2	.0	.4	.7	.1	1.2	1.2	1.4
105.	.0	.0	.0	.1	.1	.1	.2	1.2	1.0	.9	1.2	.4	.1	.0	.4	.7	.1	1.2	1.3	1.4
110.	.0	.0	.0	.1	.1	.1	.1	1.0	1.0	.9	1.3	.4	.1	.0	.4	.7	.1	1.1	1.3	1.4
115.	.0	.0	.0	.0	.0	.1	.1	.9	.9	.9	1.3	.4	.1	.0	.5	.9	.1	1.1	1.3	1.4
120.	.0	.0	.0	.0	.0	.1	.1	.9	.9	.8	1.2	.4	.2	.0	.5	.8	.2	1.1	1.1	1.3
125.	.0	.0	.0	.0	.0	.1	.1	.8	.8	.9	1.2	.5	.3	.1	.5	.8	.2	1.1	1.2	1.2
130.	.0	.0	.0	.0	.0	.1	.1	.8	.8	.8	1.2	.6	.2	.1	.7	.8	.2	1.0	1.3	1.2
135.	.0	.0	.0	.0	.0	.1	.1	.9	.8	.8	1.1	.5	.2	.1	.7	.8	.2	.8	1.1	1.2
140.	.0	.0	.0	.0	.0	.0	.1	.8	.8	.9	1.0	.5	.3	.1	.7	.7	.2	.8	1.1	1.1
145.	.0	.0	.0	.0	.0	.0	.0	.8	.7	.9	1.1	.6	.4	.1	.6	.8	.0	1.0	1.2	1.1
150.	.0	.0	.0	.0	.0	.0	.0	.8	.8	.9	1.1	.5	.4	.1	.6	.7	.0	.9	1.2	.9
155.	.0	.1	.1	.2	.0	.0	.0	.7	.8	1.0	1.0	.5	.3	.0	.7	.6	.0	1.0	1.2	1.1
160.	.1	.1	.1	.2	.0	.0	.0	.8	.8	1.0	.9	.5	.3	.0	.7	.6	.1	1.1	1.2	.9
165.	.1	.1	.1	.2	.0	.0	.0	.8	.8	1.0	.9	.5	.3	.0	.5	.8	.2	.9	1.2	.8
170.	.1	.2	.3	.4	.0	.0	.0	.7	.8	1.1	.9	.6	.5	.1	.4	.8	.2	1.0	1.2	.9
175.	.1	.2	.3	.4	.0	.0	.0	.7	.7	1.1	1.1	.4	.5	.2	.4	.5	.2	1.1	1.2	.9
180.	.2	.2	.3	.4	.0	.0	.0	.7	.6	1.1	.9	.4	.4	.2	.3	.5	.1	1.1	1.1	.9
185.	.2	.2	.3	.4	.0	.0	.0	.7	.6	1.1	.7	.6	.5	.1	.3	.5	.1	1.1	1.1	.9
190.	.2	.2	.4	.4	.0	.0	.0	.7	.6	1.1	.8	.8	.5	.1	.3	.5	.1	1.1	1.1	.9
195.	.2	.2	.4	.4	.0	.0	.0	.8	.8	1.2	1.0	.6	.6	.1	.3	.5	.1	1.1	1.1	.8
200.	.2	.2	.4	.4	.0	.0	.1	.8	.8	1.2	.9	.7	.6	.2	.4	.5	.2	1.2	1.2	.8
205.	.2	.2	.4	.4	.0	.1	.1	.8	.7	1.1	.9	.7	.6	.3	.4	.5	.2	1.1	1.0	1.0

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JOB: S3 US40 & Winans NBAM21 RUN: Site 3 No Build AM 2021

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.2	.2	.4	.3	.2	.1	.1	.8	.8	1.2	1.0	.7	.7	.3	.4	.7	.2	1.1	1.1	1.0
215.	.2	.2	.4	.3	.2	.1	.1	.8	.9	1.2	1.0	.8	.7	.3	.3	.6	.2	1.1	1.2	1.0
220.	.2	.2	.3	.3	.2	.1	.1	.9	.8	1.5	1.2	.9	.8	.3	.3	.5	.2	1.2	1.1	1.0
225.	.1	.1	.3	.3	.2	.1	.1	.9	1.0	1.4	1.2	.9	.6	.3	.4	.5	.2	1.2	1.2	1.2
230.	.1	.1	.3	.3	.2	.1	.1	1.0	1.0	1.4	1.2	.7	.7	.3	.3	.6	.2	1.2	1.2	1.1
235.	.1	.1	.3	.4	.2	.1	.2	.9	1.2	1.3	1.3	.8	.5	.2	.3	.5	.1	1.1	1.2	1.3
240.	.1	.1	.3	.4	.3	.2	.2	1.1	1.5	1.6	1.2	.7	.5	.1	.3	.5	.0	1.2	1.3	1.2
245.	.1	.1	.3	.6	.5	.4	.3	1.1	1.5	1.6	1.2	.6	.3	.1	.2	.4	.0	1.2	1.3	1.3
250.	.1	.1	.3	.9	.7	.6	.5	1.2	1.3	1.4	1.4	.5	.3	.1	.2	.3	.0	1.1	1.1	1.3
255.	.1	.1	.4	1.0	.9	.9	1.0	1.1	1.1	1.2	1.1	.5	.2	.1	.1	.3	.0	1.1	1.1	1.0
260.	.1	.2	.5	1.4	1.1	1.4	1.3	.8	.8	1.0	1.0	.4	.1	.1	.0	.2	.0	.8	1.0	.9
265.	.1	.3	.6	1.7	1.4	1.5	1.5	.5	.7	.7	.7	.3	.1	.1	.0	.1	.0	.5	.7	.7
270.	.1	.3	.7	1.6	1.5	1.6	1.6	.3	.4	.3	.4	.2	.1	.1	.0	.0	.0	.4	.6	.5
275.	.2	.3	.8	1.7	1.7	1.5	1.4	.1	.1	.4	.4	.2	.1	.1	.0	.0	.0	.2	.3	.3
280.	.2	.4	.9	1.6	1.4	1.5	1.1	.1	.1	.2	.2	.2	.1	.1	.0	.0	.0	.2	.2	.2
285.	.4	.4	1.0	1.4	1.4	1.4	1.2	.1	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.2	.1
290.	.4	.6	.9	1.5	1.2	1.2	1.2	.1	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.1	.1
295.	.4	.6	1.0	1.4	1.2	1.4	1.0	.0	.0	.1	.2	.2	.0	.0	.0	.0	.0	.0	.1	.1
300.	.4	.6	.9	1.3	1.2	1.2	1.0	.0	.0	.1	.3	.3	.0	.0	.0	.0	.0	.0	.1	.1

305. *	.4	.7	.9	1.2	1.2	1.2	1.0	.0	.0	.1	.3	.2	.1	.0	.0	.0	.0	.0	.1	.1
310. *	.3	.8	.8	1.2	1.2	1.2	1.0	.0	.0	.1	.3	.2	.1	.0	.0	.0	.0	.0	.0	.1
315. *	.4	.7	.9	1.1	1.1	1.0	.9	.0	.0	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
320. *	.3	.7	.8	1.1	1.0	.9	.8	.0	.0	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
325. *	.3	.5	.8	1.1	1.0	.8	.8	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
330. *	.3	.7	.7	1.0	1.0	.8	.8	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
335. *	.2	.5	.7	1.0	1.0	.8	.8	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
340. *	.3	.6	.7	1.1	1.0	.9	.8	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0
345. *	.2	.5	.7	1.1	1.0	1.0	.9	.0	.0	.0	.1	.0	.0	.0	.1	.1	.1	.1	.0	.0
350. *	.2	.4	.5	.9	1.1	.9	.9	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.0	.0
355. *	.2	.4	.5	.9	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.2	.0	.0
360. *	.1	.3	.5	1.0	1.0	.9	.8	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
MAX *	.4	.8	1.0	1.7	1.7	1.6	1.6	1.2	1.5	1.6	1.4	.9	.8	.3	.7	.9	.2	1.2	1.3	1.4
DEGR. *	285	310	295	265	275	270	270	105	240	240	250	220	220	205	130	115	120	90	105	100

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JOB: S3 US40 & Winans NBAM21 RUN: Site 3 No Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.9	.8	1.3	1.1	.7	.5	.3
5. *	.0	.9	.8	1.3	1.1	.7	.6	.3
10. *	.0	.9	.9	1.4	.9	.8	.6	.3
15. *	.0	.9	1.0	1.4	1.1	.7	.6	.3
20. *	.0	.9	.9	1.4	1.1	.7	.6	.3
25. *	.1	1.0	1.1	1.3	1.1	.9	.6	.3
30. *	.1	1.0	1.1	1.4	1.1	.9	.6	.3
35. *	.1	1.0	1.3	1.4	1.1	.9	.4	.3
40. *	.1	1.1	1.3	1.5	1.1	.7	.3	.2
45. *	.1	1.1	1.3	1.6	1.2	.7	.3	.1
50. *	.1	1.3	1.3	1.5	1.2	.7	.3	.1
55. *	.1	1.2	1.5	1.6	1.3	.5	.2	.1
60. *	.2	1.3	1.6	1.6	1.4	.4	.2	.1
65. *	.3	1.3	1.4	1.3	1.2	.5	.3	.1
70. *	.5	1.4	1.4	1.3	1.2	.7	.2	.1
75. *	.8	1.4	1.2	1.1	1.2	.5	.1	.1
80. *	.9	1.0	1.0	1.0	.9	.4	.1	.1
85. *	1.1	.7	.7	.6	.5	.2	.1	.1
90. *	1.4	.4	.6	.5	.3	.2	.1	.1
95. *	1.4	.3	.2	.5	.3	.2	.1	.1
100. *	1.2	.2	.1	.2	.1	.2	.1	.1
105. *	1.1	.1	.1	.2	.1	.2	.1	.1
110. *	1.1	.1	.1	.2	.2	.3	.2	.2
115. *	1.1	.1	.1	.2	.4	.3	.2	.2
120. *	1.0	.1	.1	.1	.4	.3	.2	.2
125. *	.9	.1	.1	.1	.4	.3	.2	.2
130. *	.9	.1	.1	.1	.4	.3	.2	.2
135. *	.9	.1	.0	.1	.4	.3	.2	.2
140. *	.8	.0	.0	.0	.3	.2	.2	.2
145. *	.8	.0	.0	.0	.3	.2	.2	.2
150. *	.9	.0	.0	.0	.3	.2	.2	.1
155. *	.8	.0	.0	.0	.3	.2	.2	.1
160. *	.8	.0	.0	.0	.2	.1	.1	.1
165. *	.8	.0	.0	.0	.1	.1	.1	.1
170. *	.8	.0	.0	.0	.1	.1	.1	.0
175. *	.8	.0	.0	.0	.0	.0	.0	.0
180. *	.9	.0	.0	.0	.0	.0	.0	.0
185. *	.9	.0	.0	.0	.0	.0	.0	.0
190. *	.9	.0	.0	.0	.0	.0	.0	.0
195. *	.9	.0	.0	.0	.0	.0	.0	.0
200. *	.9	.1	.0	.0	.0	.0	.0	.0
205. *	1.0	.1	.0	.1	.0	.0	.0	.0

1

JOB: S3 US40 & Winans NBAM21 RUN: Site 3 No Build AM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	1.0	.1	.0	.1	.0	.0	.0	.0
215. *	1.0	.1	.0	.1	.1	.0	.0	.0
220. *	1.1	.1	.0	.1	.1	.0	.0	.0
225. *	1.1	.1	.0	.1	.1	.0	.0	.0
230. *	1.1	.1	.0	.1	.1	.0	.0	.0
235. *	1.2	.2	.0	.1	.1	.0	.0	.0
240. *	1.2	.3	.2	.2	.1	.0	.0	.0
245. *	1.3	.4	.2	.4	.3	.0	.0	.0
250. *	1.1	.7	.5	.6	.6	.0	.0	.0

255.	*	1.0	.9	.7	.8	.8	.1	.0	.0
260.	*	.9	1.0	.9	1.1	1.2	.2	.1	.0
265.	*	.7	1.2	1.2	1.2	1.2	.4	.1	.0
270.	*	.4	1.3	1.2	1.4	1.5	.4	.2	.0
275.	*	.3	1.3	1.3	1.5	1.6	.5	.2	.0
280.	*	.2	1.3	1.2	1.4	1.6	.5	.2	.1
285.	*	.1	1.2	1.1	1.5	1.6	.5	.3	.2
290.	*	.1	1.2	1.1	1.4	1.5	.7	.3	.2
295.	*	.1	1.1	1.0	1.3	1.4	.6	.4	.2
300.	*	.1	1.1	1.0	1.4	1.5	.6	.3	.2
305.	*	.1	1.0	1.0	1.3	1.3	.6	.3	.2
310.	*	.1	1.0	1.0	1.3	1.3	.7	.5	.1
315.	*	.0	1.0	1.0	1.3	1.2	.6	.5	.1
320.	*	.0	.9	.9	1.3	1.2	.7	.4	.2
325.	*	.0	.9	.9	1.3	1.2	.7	.4	.1
330.	*	.0	.9	.9	1.3	1.1	.6	.4	.1
335.	*	.0	.9	.9	1.3	1.1	.6	.4	.2
340.	*	.0	.9	.8	1.3	1.1	.4	.4	.2
345.	*	.0	1.0	1.0	1.3	1.1	.6	.6	.2
350.	*	.0	1.0	.9	1.3	1.0	.7	.6	.2
355.	*	.0	1.0	.9	1.3	1.1	.6	.6	.3
360.	*	.0	.9	.8	1.3	1.1	.7	.5	.3
MAX	*	1.4	1.4	1.6	1.6	1.6	.9	.6	.3
DEGR.	*	90	70	60	45	275	25	5	0

THE HIGHEST CONCENTRATION IS 1.70 PPM AT 265 DEGREES FROM REC4 .
THE 2ND HIGHEST CONCENTRATION IS 1.70 PPM AT 275 DEGREES FROM REC5 .
THE 3RD HIGHEST CONCENTRATION IS 1.60 PPM AT 270 DEGREES FROM REC6 .

```
S3 US40 & Winans NBAM35                 60.0321.0.0000.000280.30480000    1    1
SE MID S                  927.      737.       5.0
SE 164 S                  865.      933.       5.0
SE 82 S                   841.     1012.       5.0
SE CNR                    818.     1090.       5.0
SE 82 E                   898.     1105.       5.0
SE 164 E                  979.     1121.       5.0
SE MID E                 1183.     1160.       5.0
NE MID E                 1193.     1274.       5.0
NE 164  E                 954.     1227.       5.0
NE 82 E                   874.     1211.       5.0
NE CNR                    796.     1198.       5.0
NE 82 N                   779.     1276.       5.0
NE 164 N                  760.     1355.       5.0
NE MID N                  658.     1584.       5.0
NW 164 N                  702.     1346.       5.0
NW 82 N                   723.     1266.       5.0
NW MID N                  605.     1561.       5.0
NW CNR                    733.     1187.       5.0
NW 82 W                   660.     1170.       5.0
NW 164 W                  578.     1155.       5.0
NW MID W                  389.     1118.       5.0
SW MID W                  405.     1009.       5.0
SW 164 W                  605.     1048.       5.0
SW 82 W                   686.     1064.       5.0
SW CNR                    765.     1076.       5.0
SW 82 S                   790.      999.       5.0
SW 164 S                  814.      922.       5.0
SW MID S                  877.      719.       5.0
Site 3 No Build AM 2035                  36  1   0
  1
EB        US40      AG  -196.   918.   455.  1047.   2675. 7.8   0  56   35.
  1
EB        US40      AG   455.  1047.   589.  1081.   2675. 7.8   0  56   35.
  1
EB        US40      AG   589.  1081.   780.  1117.   2675. 7.8   0  68   35.
  2
EB        US40      AG   749.  1111.   596.  1083.      0.  48   4
       110        32       2.0 2675   42.1 1359 1 3
  1
EB        US40 dep  AG   780.  1117.   905.  1136.   2635. 7.8   0  56   35.
  1
EB        US40 dep  AG   905.  1136.  1240.  1198.   2635. 7.8   0  56   35.
  1
EB        US40 dep  AG  1240.  1198.  1423.  1221.   2635. 7.8   0  56   35.
  1
EB        US40 dep  AG  1423.  1221.  1769.  1239.   2635. 7.8   0  56   35.
  1
WB        US40      AG  1764.  1291.  1427.  1273.   1855. 7.8   0  56   35.
  1
WB        US40      AG  1427.  1273.  1240.  1252.   1855. 7.8   0  56   35.
  1
WB        US40      AG  1240.  1252.  1077.  1223.   1855. 7.8   0  56   35.
  1
WB        US40      AG  1077.  1223.   969.  1194.   1855. 7.8   0  56   35.
  1
WB        US40      AG   969.  1194.   778.  1158.   1855. 7.8   0  68   35.
  2
WB        US40      AG   811.  1164.   956.  1191.      0.  48   4
       110        32       2.0 1855   42.1 1287 1 3
  1
WB        US40 dep  AG   778.  1158.   604.  1132.   1985. 7.8   0  56   35.
  1
WB        US40 dep  AG   604.  1132.  -208.   975.   1985. 7.8   0  56   35.
  1
NB        Win       AG  1016.   171.   977.   513.    250. 7.8   0  32   30.
  1
NB        Win       AG   977.   513.   782.  1136.    250. 7.8   0  32   30.
  2
NB        Win       AG   798.  1085.   858.   891.      0.  12   1
       110        79       2.0  250   42.1 1239 1 3
  1
NB        Win dep   AG   782.  1136.   738.  1358.    140. 7.8   0  32   30.
  1
NB        Win dep   AG   738.  1358.   675.  1510.    140. 7.8   0  32   30.
  1
NB        Win dep   AG   675.  1510.   610.  1621.    140. 7.8   0  32   30.
  1
NB        Win dep   AG   610.  1621.   530.  1717.    140. 7.8   0  32   30.
  1
NB        Win dep   AG   530.  1717.   414.  1856.    140. 7.8   0  32   30.
```

```
  1
NB        Win dep   AG   414.  1856.   372.  1963.    140. 7.8   0  32   30.
  1
NB        Win dep   AG   372.  1963.   356.  2049.    140. 7.8   0  32   30.
  1
SB        Win       AG   340.  2038.   362.  1946.    275. 7.8   0  32   30.
  1
SB        Win       AG   362.  1946.   397.  1851.    275. 7.8   0  32   30.
  1
SB        Win       AG   397.  1851.   593.  1622.    275. 7.8   0  32   30.
  1
SB        Win       AG   593.  1622.   660.  1510.    275. 7.8   0  32   30.
  1
SB        Win       AG   660.  1510.   722.  1360.    275. 7.8   0  32   30.
  1
SB        Win       AG   722.  1360.   769.  1150.    275. 7.8   0  32   30.
  2
SB        Win       AG   759.  1197.   729.  1330.      0.  12   1
       110        79       2.0  275   42.1 1261 1 3
  1
SB        Win dep   AG   769.  1150.   785.  1074.    250. 7.8   0  32   30.
  1
SB        Win dep   AG   785.  1074.   964.   508.    250. 7.8   0  32   30.
  1
SB        Win dep   AG   964.   508.  1000.   166.    250. 7.8   0  32   30.
1.0   04  1000   0Y  5  0 72
```

JOB: S3 US40 & Winans NBAM35 RUN: Site 3 No Build AM 2035
DATE: 09/06/2012 TIME: 10:17:13.78

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION			LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	US40		-196.0	918.0	455.0	1047.0	664.	79.	AG	2675.	7.8	.0	56.0		
2. EB	US40		455.0	1047.0	589.0	1081.0	138.	76.	AG	2675.	7.8	.0	56.0		
3. EB	US40		589.0	1081.0	780.0	1117.0	194.	79.	AG	2675.	7.8	.0	68.0		
4. EB	US40		749.0	1111.0	634.0	1090.0	117.	260.	AG	131.	100.0	.0	48.0	.73	5.9
5. EB	US40	dep	780.0	1117.0	905.0	1136.0	126.	81.	AG	2635.	7.8	.0	56.0		
6. EB	US40	dep	905.0	1136.0	1240.0	1198.0	341.	80.	AG	2635.	7.8	.0	56.0		
7. EB	US40	dep	1240.0	1198.0	1423.0	1221.0	184.	83.	AG	2635.	7.8	.0	56.0		
8. EB	US40	dep	1423.0	1221.0	1769.0	1239.0	346.	87.	AG	2635.	7.8	.0	56.0		
9. WB	US40		1764.0	1291.0	1427.0	1273.0	337.	267.	AG	1855.	7.8	.0	56.0		
10. WB	US40		1427.0	1273.0	1240.0	1252.0	188.	264.	AG	1855.	7.8	.0	56.0		
11. WB	US40		1240.0	1252.0	1077.0	1223.0	166.	260.	AG	1855.	7.8	.0	56.0		
12. WB	US40		1077.0	1223.0	969.0	1194.0	112.	255.	AG	1855.	7.8	.0	56.0		
13. WB	US40		969.0	1194.0	778.0	1158.0	194.	259.	AG	1855.	7.8	.0	68.0		
14. WB	US40		811.0	1164.0	890.6	1178.8	81.	79.	AG	131.	100.0	.0	48.0	.54	4.1
15. WB	US40	dep	778.0	1158.0	604.0	1132.0	176.	262.	AG	1985.	7.8	.0	56.0		
16. WB	US40	dep	604.0	1132.0	-208.0	975.0	827.	259.	AG	1985.	7.8	.0	56.0		
17. NB	Win		1016.0	171.0	977.0	513.0	344.	353.	AG	250.	7.8	.0	32.0		
18. NB	Win		977.0	513.0	782.0	1136.0	653.	343.	AG	250.	7.8	.0	32.0		
19. NB	Win		798.0	1085.0	834.6	966.7	124.	163.	AG	81.	100.0	.0	12.0	.82	6.3
20. NB	Win	dep	782.0	1136.0	738.0	1358.0	226.	349.	AG	140.	7.8	.0	32.0		
21. NB	Win	dep	738.0	1358.0	675.0	1510.0	165.	337.	AG	140.	7.8	.0	32.0		
22. NB	Win	dep	675.0	1510.0	610.0	1621.0	129.	330.	AG	140.	7.8	.0	32.0		
23. NB	Win	dep	610.0	1621.0	530.0	1717.0	125.	320.	AG	140.	7.8	.0	32.0		
24. NB	Win	dep	530.0	1717.0	414.0	1856.0	181.	320.	AG	140.	7.8	.0	32.0		
25. NB	Win	dep	414.0	1856.0	372.0	1963.0	115.	339.	AG	140.	7.8	.0	32.0		
26. NB	Win	dep	372.0	1963.0	356.0	2049.0	87.	349.	AG	140.	7.8	.0	32.0		
27. SB	Win		340.0	2038.0	362.0	1946.0	95.	167.	AG	275.	7.8	.0	32.0		
28. SB	Win		362.0	1946.0	397.0	1851.0	101.	160.	AG	275.	7.8	.0	32.0		
29. SB	Win		397.0	1851.0	593.0	1622.0	301.	139.	AG	275.	7.8	.0	32.0		
30. SB	Win		593.0	1622.0	660.0	1510.0	131.	149.	AG	275.	7.8	.0	32.0		
31. SB	Win		660.0	1510.0	722.0	1360.0	162.	158.	AG	275.	7.8	.0	32.0		
32. SB	Win		722.0	1360.0	769.0	1150.0	215.	167.	AG	275.	7.8	.0	32.0		
33. SB	Win		759.0	1197.0	725.8	1344.1	151.	347.	AG	81.	100.0	.0	12.0	.89	7.7
34. SB	Win	dep	769.0	1150.0	785.0	1074.0	78.	168.	AG	250.	7.8	.0	32.0		
35. SB	Win	dep	785.0	1074.0	964.0	508.0	594.	162.	AG	250.	7.8	.0	32.0		
36. SB	Win	dep	964.0	508.0	1000.0	166.0	344.	174.	AG	250.	7.8	.0	32.0		

JOB: S3 US40 & Winans NBAM35 RUN: Site 3 No Build AM 2035
DATE: 09/06/2012 TIME: 10:17:13.78

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION			CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB	US40		110	32	2.0	2675	1359	42.10	1	3
14. WB	US40		110	32	2.0	1855	1287	42.10	1	3
19. NB	Win		110	79	2.0	250	1239	42.10	1	3
33. SB	Win		110	79	2.0	275	1261	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	927.0	737.0	5.0
2. SE 164 S	865.0	933.0	5.0
3. SE 82 S	841.0	1012.0	5.0
4. SE CNR	818.0	1090.0	5.0
5. SE 82 E	898.0	1105.0	5.0
6. SE 164 E	979.0	1121.0	5.0
7. SE MID E	1183.0	1160.0	5.0
8. NE MID E	1193.0	1274.0	5.0
9. NE 164 E	954.0	1227.0	5.0
10. NE 82 E	874.0	1211.0	5.0
11. NE CNR	796.0	1198.0	5.0
12. NE 82 N	779.0	1276.0	5.0
13. NE 164 N	760.0	1355.0	5.0
14. NE MID N	658.0	1584.0	5.0
15. NW 164 N	702.0	1346.0	5.0
16. NW 82 N	723.0	1266.0	5.0
17. NW MID N	605.0	1561.0	5.0
18. NW CNR	733.0	1187.0	5.0
19. NW 82 W	660.0	1170.0	5.0
20. NW 164 W	578.0	1155.0	5.0

21. NW MID W	*	389.0	1118.0	5.0	*
22. SW MID W	*	405.0	1009.0	5.0	*
23. SW 164 W	*	605.0	1048.0	5.0	*
24. SW 82 W	*	686.0	1064.0	5.0	*
25. SW CNR	*	765.0	1076.0	5.0	*
26. SW 82 S	*	790.0	999.0	5.0	*
27. SW 164 S	*	814.0	922.0	5.0	*
28. SW MID S	*	877.0	719.0	5.0	*

1

JOB: S3 US40 & Winans NBAM35 RUN: Site 3 No Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.3	.6	1.0	1.1	.9	.8	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.2	.0	.0
5.	.1	.3	.6	1.1	1.0	.9	.8	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
10.	.1	.3	.6	1.1	1.0	.8	.8	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
15.	.1	.3	.6	1.1	.9	.8	.8	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
20.	.1	.3	.5	1.1	1.0	.9	.9	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.0	.0
25.	.1	.4	.4	1.1	.9	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.1	.0
30.	.1	.3	.5	1.2	1.0	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.1	.0
35.	.1	.3	.5	1.2	1.1	1.1	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.3	.1	.0
40.	.0	.2	.5	1.2	1.1	1.1	1.1	.0	.0	.1	.0	.0	.0	.0	.0	.3	.1	.3	.2	.0
45.	.0	.3	.5	1.3	1.1	1.1	1.2	.0	.0	.1	.1	.0	.0	.0	.0	.3	.1	.2	.2	.0
50.	.1	.2	.5	1.3	1.2	1.1	1.0	.0	.0	.1	.1	.0	.0	.0	.0	.3	.1	.2	.2	.0
55.	.1	.2	.5	1.3	1.2	1.1	1.2	.0	.0	.1	.1	.0	.0	.0	.0	.3	.1	.2	.2	.1
60.	.0	.3	.3	1.3	1.2	1.3	1.4	.1	.1	.1	.1	.0	.0	.0	.0	.3	.1	.3	.2	.1
65.	.0	.3	.3	1.3	1.2	1.2	1.3	.2	.2	.2	.1	.0	.0	.0	.0	.3	.1	.3	.3	.2
70.	.0	.1	.4	1.3	1.4	1.4	1.2	.3	.2	.4	.2	.0	.0	.0	.1	.3	.1	.3	.4	.4
75.	.0	.1	.3	1.3	1.1	1.3	1.2	.4	.4	.5	.7	.0	.0	.0	.1	.3	.1	.6	.6	.6
80.	.0	.0	.2	.9	.9	1.0	1.2	.7	1.0	.9	.8	.0	.0	.0	.1	.3	.1	.9	.8	1.0
85.	.0	.0	.0	.8	.7	.8	.9	.8	1.0	1.1	1.1	.0	.0	.0	.2	.4	.1	1.1	1.0	1.0
90.	.0	.0	.0	.4	.5	.6	.5	.9	1.2	1.0	1.4	.3	.0	.0	.2	.5	.1	1.1	1.2	1.3
95.	.0	.0	.0	.2	.2	.3	.5	1.1	1.2	1.2	1.4	.5	.1	.0	.2	.8	.1	1.3	1.3	1.3
100.	.0	.0	.0	.2	.2	.2	.3	1.2	1.1	1.2	1.3	.7	.2	.0	.3	.7	.1	1.3	1.2	1.4
105.	.0	.0	.0	.1	.1	.2	.2	1.2	1.0	.9	1.2	.4	.2	.0	.3	.7	.1	1.1	1.2	1.5
110.	.0	.0	.0	.1	.1	.1	.1	1.0	1.0	1.0	1.2	.4	.2	.0	.3	.8	.1	1.2	1.3	1.3
115.	.0	.0	.0	.0	.0	.1	.1	1.0	.9	1.0	1.2	.4	.2	.0	.5	.9	.1	1.2	1.3	1.3
120.	.0	.0	.0	.0	.0	.1	.1	1.0	.9	1.1	1.2	.4	.3	.0	.5	.8	.2	1.1	1.1	1.3
125.	.0	.0	.0	.0	.0	.1	.1	.9	.9	1.0	1.2	.5	.4	.1	.5	.8	.2	1.1	1.2	1.2
130.	.0	.0	.0	.0	.0	.1	.1	.9	.9	.8	1.2	.6	.2	.1	.6	.8	.2	1.0	1.2	1.1
135.	.0	.0	.0	.0	.0	.1	.1	.9	.8	.8	1.2	.5	.2	.1	.7	.9	.2	.9	1.1	1.0
140.	.0	.0	.0	.0	.0	.0	.1	.8	.8	.9	1.1	.5	.3	.1	.7	.8	.2	.9	1.1	1.1
145.	.0	.0	.0	.0	.0	.0	.0	.8	.9	.9	1.0	.6	.4	.1	.6	.8	.2	1.0	1.1	1.1
150.	.0	.0	.0	.0	.0	.0	.0	.8	.8	.9	1.0	.5	.4	.1	.5	.8	.0	.9	1.1	1.0
155.	.0	.1	.1	.2	.0	.0	.0	.7	.8	1.0	1.0	.5	.3	.0	.7	.6	.0	1.0	1.1	.9
160.	.1	.1	.1	.2	.0	.0	.0	.8	.9	1.0	1.0	.5	.3	.0	.6	.6	.1	.9	1.1	.9
165.	.1	.1	.1	.2	.0	.0	.0	.9	.8	1.0	.9	.5	.3	.0	.5	.7	.2	.9	1.1	.9
170.	.1	.2	.2	.3	.0	.0	.0	.8	.9	1.2	1.0	.7	.5	.1	.4	.8	.2	1.0	1.1	.9
175.	.1	.2	.3	.4	.0	.0	.0	.8	.9	1.1	1.1	.4	.5	.2	.4	.5	.1	1.0	1.1	.9
180.	.2	.2	.3	.4	.0	.0	.0	.7	.7	1.0	.9	.4	.5	.1	.4	.5	.1	1.0	1.1	.9
185.	.2	.2	.3	.4	.0	.0	.0	.8	.7	1.0	.8	.6	.5	.1	.4	.5	.1	1.0	1.1	.9
190.	.2	.2	.3	.4	.0	.0	.0	.8	.7	1.1	.8	.7	.5	.0	.3	.5	.1	1.0	1.1	.9
195.	.2	.2	.4	.4	.0	.0	.0	.8	.8	1.2	.9	.7	.5	.1	.2	.5	.1	1.0	1.0	.8
200.	.2	.2	.4	.4	.0	.0	.1	.9	.8	1.2	1.0	.7	.6	.2	.4	.5	.2	1.1	1.1	.9
205.	.2	.2	.4	.4	.0	.1	.1	.9	.7	1.2	1.0	.7	.6	.3	.4	.5	.2	1.1	1.1	.9

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JOB: S3 US40 & Winans NBAM35 RUN: Site 3 No Build AM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.2	.2	.4	.3	.2	.1	.1	.9	.9	1.3	1.0	.7	.7	.3	.4	.7	.2	1.1	1.1	1.0
215.	.2	.2	.4	.3	.2	.1	.1	.9	1.0	1.3	1.0	.8	.6	.3	.3	.5	.2	1.1	1.1	1.0
220.	.2	.2	.4	.3	.2	.1	.1	.9	.9	1.5	1.1	.9	.7	.3	.3	.5	.2	1.2	1.1	1.0
225.	.2	.2	.3	.3	.2	.1	.1	.9	1.1	1.4	1.2	.8	.5	.3	.4	.5	.2	1.1	1.2	1.2
230.	.2	.2	.3	.3	.2	.1	.1	1.0	1.1	1.4	1.3	.7	.5	.3	.3	.6	.2	1.2	1.1	1.1
235.	.2	.2	.3	.4	.2	.1	.2	.9	1.0	1.5	1.3	.8	.5	.3	.3	.5	.1	1.2	1.2	1.2
240.	.2	.2	.3	.3	.3	.2	.2	1.1	1.5	1.7	1.2	.7	.4	.1	.2	.5	.0	1.3	1.3	1.2
245.	.1	.1	.3	.5	.5	.4	.4	1.2	1.6	1.5	1.3	.6	.4	.1	.2	.4	.0	1.2	1.2	1.2
250.	.1	.1	.3	.9	.6	.6	.6	1.2	1.4	1.5	1.4	.5	.3	.1	.2	.3	.0	1.1	1.1	1.2
255.	.1	.1	.4	1.1	.9	.8	1.0	1.1	1.1	1.2	1.1	.5	.3	.1	.1	.3	.0	1.1	1.1	1.1
260.	.1	.2	.5	1.3	1.1	1.4	1.3	.9	.9	1.0	1.0	.4	.0	.1	.0	.2	.0	.8	1.0	.9
265.	.2	.3	.6	1.7	1.4	1.6	1.5	.6	.8	.7	.8	.3	.0	.1	.0	.1	.0	.5	.6	.7
270.	.2	.4	.8	1.6	1.5	1.6	1.5	.3	.4	.4	.5	.2	.0	.1	.0	.0	.0	.4	.5	.5
275.	.3	.3	.8	1.6	1.7	1.5	1.4	.1	.1	.4	.4	.2	.0	.1	.0	.0	.0	.2	.3	.3
280.	.3	.5	1.0	1.8	1.4	1.5	1.1	.1	.1	.2	.2	.2	.0	.1	.0	.0	.0	.2	.2	.2
285.	.4	.5	.9	1.4	1.4	1.4	1.2	.1	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.1	.1
290.	.4	.6	.9	1.5	1.4	1.4	1.2	.1	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.1	.1
295.	.4	.6	1.0	1.3	1.3	1.3	1.1	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.1	.1
300.	.4	.5	.9	1.3	1.3	1.2	1.0	.0	.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1

305. *	.4	.8	.9	1.2	1.2	1.2	1.1	.0	.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.1
310. *	.3	.8	.7	1.0	1.3	1.2	1.0	.0	.0	.0	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.1
315. *	.4	.7	.9	1.1	1.2	1.1	.9	.0	.0	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
320. *	.3	.7	.8	1.1	1.1	.9	.9	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
325. *	.3	.5	.8	1.0	1.1	.9	.8	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
330. *	.3	.5	.6	1.0	1.1	.9	.8	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
335. *	.2	.5	.7	1.0	1.1	.8	.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
340. *	.3	.6	.7	1.0	1.1	.9	1.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0
345. *	.2	.5	.8	1.1	1.1	1.0	1.0	.0	.0	.0	.1	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
350. *	.3	.4	.5	1.0	1.1	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.0	.0	.0
355. *	.3	.4	.5	1.0	1.1	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.2	.0	.0	.0
360. *	.1	.3	.6	1.0	1.1	.9	.8	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.2	.0	.0	.0
MAX *	.4	.8	1.0	1.8	1.7	1.6	1.5	1.2	1.6	1.7	1.4	.9	.7	.3	.7	.9	.2	1.3	1.3	1.5	
DEGR. *	285	305	295	280	275	270	265	100	245	240	90	220	220	205	135	115	120	95	110	105	

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JOB: S3 US40 & Winans NBAM35 RUN: Site 3 No Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.9	.8	1.3	1.1	.7	.6	.4
5. *	.0	.9	.9	1.3	1.0	.7	.5	.3
10. *	.0	.9	.9	1.3	.9	.8	.5	.3
15. *	.0	.9	.9	1.3	1.0	.7	.6	.3
20. *	.0	.9	.9	1.3	1.1	.7	.6	.3
25. *	.0	1.0	.9	1.3	1.1	.8	.6	.3
30. *	.1	1.0	1.1	1.4	1.1	.8	.6	.3
35. *	.1	1.0	1.2	1.4	1.1	.7	.4	.3
40. *	.1	1.1	1.2	1.5	1.2	.7	.4	.3
45. *	.1	1.2	1.3	1.5	1.3	.8	.4	.2
50. *	.1	1.3	1.4	1.5	1.2	.8	.4	.1
55. *	.1	1.4	1.5	1.7	1.3	.6	.3	.2
60. *	.2	1.3	1.6	1.6	1.4	.5	.3	.1
65. *	.3	1.3	1.4	1.5	1.5	.5	.4	.1
70. *	.4	1.5	1.3	1.3	1.3	.6	.2	.1
75. *	.8	1.4	1.2	1.1	1.3	.4	.1	.1
80. *	1.0	1.0	.9	1.0	1.0	.4	.2	.1
85. *	1.1	.7	.7	.6	.5	.3	.2	.1
90. *	1.4	.5	.6	.4	.3	.3	.2	.2
95. *	1.4	.3	.2	.5	.3	.3	.2	.1
100. *	1.2	.2	.1	.2	.2	.3	.2	.2
105. *	1.1	.1	.1	.2	.2	.3	.2	.2
110. *	1.1	.1	.1	.2	.2	.3	.2	.2
115. *	1.1	.1	.1	.2	.4	.3	.2	.2
120. *	1.0	.1	.1	.1	.4	.3	.2	.2
125. *	1.0	.1	.1	.1	.4	.3	.2	.2
130. *	.8	.1	.1	.1	.4	.3	.2	.2
135. *	.9	.1	.0	.1	.3	.3	.2	.2
140. *	.8	.0	.0	.0	.3	.2	.2	.2
145. *	.9	.0	.0	.0	.3	.2	.2	.2
150. *	.9	.0	.0	.0	.3	.2	.2	.1
155. *	.9	.0	.0	.0	.3	.2	.2	.1
160. *	.8	.0	.0	.0	.1	.1	.1	.1
165. *	.8	.0	.0	.0	.1	.1	.1	.1
170. *	.9	.0	.0	.0	.1	.1	.1	.0
175. *	.9	.0	.0	.0	.0	.0	.0	.0
180. *	.9	.0	.0	.0	.0	.0	.0	.0
185. *	.9	.0	.0	.0	.0	.0	.0	.0
190. *	.9	.0	.0	.0	.0	.0	.0	.0
195. *	.9	.0	.0	.0	.0	.0	.0	.0
200. *	.9	.1	.0	.0	.0	.0	.0	.0
205. *	.9	.1	.0	.1	.0	.0	.0	.0

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JOB: S3 US40 & Winans NBAM35 RUN: Site 3 No Build AM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	1.0	.1	.0	.1	.0	.0	.0	.0
215. *	1.0	.1	.0	.1	.1	.0	.0	.0
220. *	1.0	.1	.0	.1	.1	.0	.0	.0
225. *	1.1	.1	.0	.1	.1	.0	.0	.0
230. *	1.1	.1	.0	.1	.1	.0	.0	.0
235. *	1.1	.2	.1	.1	.1	.0	.0	.0
240. *	1.2	.3	.2	.2	.1	.0	.0	.0
245. *	1.2	.4	.3	.4	.3	.0	.0	.0
250. *	1.1	.6	.5	.6	.7	.0	.0	.0

255.	*	1.0	.9	.7	.8	.9	.1	.0	.0
260.	*	.9	1.0	1.0	1.1	1.1	.2	.1	.0
265.	*	.6	1.2	1.2	1.4	1.3	.4	.1	.0
270.	*	.4	1.3	1.3	1.4	1.3	.4	.2	.0
275.	*	.3	1.4	1.3	1.4	1.5	.6	.2	.0
280.	*	.2	1.3	1.2	1.4	1.5	.5	.2	.1
285.	*	.1	1.3	1.1	1.4	1.4	.5	.3	.2
290.	*	.1	1.2	1.1	1.4	1.5	.7	.3	.2
295.	*	.1	1.2	1.0	1.4	1.4	.5	.4	.2
300.	*	.1	1.1	1.0	1.4	1.3	.6	.3	.2
305.	*	.1	1.1	1.0	1.3	1.3	.6	.3	.2
310.	*	.1	1.0	1.0	1.2	1.3	.6	.4	.1
315.	*	.0	1.0	1.0	1.2	1.2	.5	.5	.1
320.	*	.0	1.0	.9	1.2	1.2	.5	.4	.2
325.	*	.0	.9	.9	1.1	1.1	.6	.4	.1
330.	*	.0	.9	.9	1.1	1.1	.6	.4	.1
335.	*	.0	.9	.8	1.3	1.1	.6	.4	.2
340.	*	.0	1.0	.8	1.3	1.0	.4	.5	.2
345.	*	.0	1.0	1.0	1.3	1.1	.6	.5	.2
350.	*	.0	1.0	.9	1.4	1.0	.6	.6	.3
355.	*	.0	1.0	.9	1.3	1.2	.7	.6	.3
360.	*	.0	.9	.8	1.3	1.1	.7	.6	.4
MAX	*	1.4	1.5	1.6	1.7	1.5	.8	.6	.4
DEGR.	*	90	70	60	55	65	10	0	0

THE HIGHEST CONCENTRATION IS 1.80 PPM AT 280 DEGREES FROM REC4 .
THE 2ND HIGHEST CONCENTRATION IS 1.70 PPM AT 240 DEGREES FROM REC10.
THE 3RD HIGHEST CONCENTRATION IS 1.70 PPM AT 55 DEGREES FROM REC24.

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S3 US40 & Winans NBPM21                 60.0321.0.0000.000280.30480000    1    1
SE MID S                  927.      737.       5.0
SE 164 S                  865.      933.       5.0
SE 82 S                   841.     1012.       5.0
SE CNR                    818.     1090.       5.0
SE 82 E                   898.     1105.       5.0
SE 164 E                  979.     1121.       5.0
SE MID E                 1183.     1160.       5.0
NE MID E                 1193.     1274.       5.0
NE 164  E                 954.     1227.       5.0
NE 82 E                   874.     1211.       5.0
NE CNR                    796.     1198.       5.0
NE 82 N                   779.     1276.       5.0
NE 164 N                  760.     1355.       5.0
NE MID N                  658.     1584.       5.0
NW 164 N                  702.     1346.       5.0
NW 82 N                   723.     1266.       5.0
NW MID N                  605.     1561.       5.0
NW CNR                    733.     1187.       5.0
NW 82 W                   660.     1170.       5.0
NW 164 W                  578.     1155.       5.0
NW MID W                  389.     1118.       5.0
SW MID W                  405.     1009.       5.0
SW 164 W                  605.     1048.       5.0
SW 82 W                   686.     1064.       5.0
SW CNR                    765.     1076.       5.0
SW 82 S                   790.      999.       5.0
SW 164 S                  814.      922.       5.0
SW MID S                  877.      719.       5.0
Site 3 No Build PM 2021                  36  1   0
  1
EB        US40      AG  -196.   918.   455.  1047.   1745. 8.1   0  56   35.
  1
EB        US40      AG   455.  1047.   589.  1081.   1745. 8.1   0  56   35.
  1
EB        US40      AG   589.  1081.   780.  1117.   1745. 8.1   0  68   35.
  2
EB        US40      AG   749.  1111.   596.  1083.      0.  48   4
       110        37       2.0 1745   43.6 1282 1 3
  1
EB        US40 dep  AG   780.  1117.   905.  1136.   1655. 8.1   0  56   35.
  1
EB        US40 dep  AG   905.  1136.  1240.  1198.   1655. 8.1   0  56   35.
  1
EB        US40 dep  AG  1240.  1198.  1423.  1221.   1655. 8.1   0  56   35.
  1
EB        US40 dep  AG  1423.  1221.  1769.  1239.   1655. 8.1   0  56   35.
  1
WB        US40      AG  1764.  1291.  1427.  1273.   2675. 8.1   0  56   35.
  1
WB        US40      AG  1427.  1273.  1240.  1252.   2675. 8.1   0  56   35.
  1
WB        US40      AG  1240.  1252.  1077.  1223.   2675. 8.1   0  56   35.
  1
WB        US40      AG  1077.  1223.   969.  1194.   2675. 8.1   0  56   35.
  1
WB        US40      AG   969.  1194.   778.  1158.   2675. 8.1   0  68   35.
  2
WB        US40      AG   811.  1164.   956.  1191.      0.  48   4
       110        37       2.0 2675   43.6 1371 1 3
  1
WB        US40 dep  AG   778.  1158.   604.  1132.   2745. 8.1   0  56   35.
  1
WB        US40 dep  AG   604.  1132.  -208.   975.   2745. 8.1   0  56   35.
  1
NB        Win       AG  1016.   171.   977.   513.    280. 8.1   0  32   30.
  1
NB        Win       AG   977.   513.   782.  1136.    280. 8.1   0  32   30.
  2
NB        Win       AG   798.  1085.   858.   891.      0.  12   1
       110        81       2.0  280   43.6 1385 1 3
  1
NB        Win dep   AG   782.  1136.   738.  1358.    150. 8.1   0  32   30.
  1
NB        Win dep   AG   738.  1358.   675.  1510.    150. 8.1   0  32   30.
  1
NB        Win dep   AG   675.  1510.   610.  1621.    150. 8.1   0  32   30.
  1
NB        Win dep   AG   610.  1621.   530.  1717.    150. 8.1   0  32   30.
  1
NB        Win dep   AG   530.  1717.   414.  1856.    150. 8.1   0  32   30.
```

```
  1
NB        Win dep   AG   414.  1856.   372.  1963.    150. 8.1   0  32   30.
  1
NB        Win dep   AG   372.  1963.   356.  2049.    150. 8.1   0  32   30.
  1
SB        Win       AG   340.  2038.   362.  1946.    100. 8.1   0  32   30.
  1
SB        Win       AG   362.  1946.   397.  1851.    100. 8.1   0  32   30.
  1
SB        Win       AG   397.  1851.   593.  1622.    100. 8.1   0  32   30.
  1
SB        Win       AG   593.  1622.   660.  1510.    100. 8.1   0  32   30.
  1
SB        Win       AG   660.  1510.   722.  1360.    100. 8.1   0  32   30.
  1
SB        Win       AG   722.  1360.   769.  1150.    100. 8.1   0  32   30.
  2
SB        Win       AG   759.  1197.   729.  1330.      0.  12   1
       110        81       2.0  100   43.6 1305 1 3
  1
SB        Win dep   AG   769.  1150.   785.  1074.    250. 8.1   0  32   30.
  1
SB        Win dep   AG   785.  1074.   964.   508.    250. 8.1   0  32   30.
  1
SB        Win dep   AG   964.   508.  1000.   166.    250. 8.1   0  32   30.
1.0   04  1000   0Y  5  0 72
```

JOB: S3 US40 & Winans NBPM21 RUN: Site 3 No Build PM 2021
DATE: 09/06/2012 TIME: 10:31:16.18

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION			LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	US40		-196.0	918.0	455.0	1047.0	664.	79.	AG	1745.	8.1	.0	56.0		
2. EB	US40		455.0	1047.0	589.0	1081.0	138.	76.	AG	1745.	8.1	.0	56.0		
3. EB	US40		589.0	1081.0	780.0	1117.0	194.	79.	AG	1745.	8.1	.0	68.0		
4. EB	US40		749.0	1111.0	662.2	1095.1	88.	260.	AG	157.	100.0	.0	48.0	.54	4.5
5. EB	US40	dep	780.0	1117.0	905.0	1136.0	126.	81.	AG	1655.	8.1	.0	56.0		
6. EB	US40	dep	905.0	1136.0	1240.0	1198.0	341.	80.	AG	1655.	8.1	.0	56.0		
7. EB	US40	dep	1240.0	1198.0	1423.0	1221.0	184.	83.	AG	1655.	8.1	.0	56.0		
8. EB	US40	dep	1423.0	1221.0	1769.0	1239.0	346.	87.	AG	1655.	8.1	.0	56.0		
9. WB	US40		1764.0	1291.0	1427.0	1273.0	337.	267.	AG	2675.	8.1	.0	56.0		
10. WB	US40		1427.0	1273.0	1240.0	1252.0	188.	264.	AG	2675.	8.1	.0	56.0		
11. WB	US40		1240.0	1252.0	1077.0	1223.0	166.	260.	AG	2675.	8.1	.0	56.0		
12. WB	US40		1077.0	1223.0	969.0	1194.0	112.	255.	AG	2675.	8.1	.0	56.0		
13. WB	US40		969.0	1194.0	778.0	1158.0	194.	259.	AG	2675.	8.1	.0	68.0		
14. WB	US40		811.0	1164.0	943.9	1188.7	135.	79.	AG	157.	100.0	.0	48.0	.78	6.9
15. WB	US40	dep	778.0	1158.0	604.0	1132.0	176.	262.	AG	2745.	8.1	.0	56.0		
16. WB	US40	dep	604.0	1132.0	-208.0	975.0	827.	259.	AG	2745.	8.1	.0	56.0		
17. NB	Win		1016.0	171.0	977.0	513.0	344.	353.	AG	280.	8.1	.0	32.0		
18. NB	Win		977.0	513.0	782.0	1136.0	653.	343.	AG	280.	8.1	.0	32.0		
19. NB	Win		798.0	1085.0	844.3	935.2	157.	163.	AG	86.	100.0	.0	12.0	.89	8.0
20. NB	Win	dep	782.0	1136.0	738.0	1358.0	226.	349.	AG	150.	8.1	.0	32.0		
21. NB	Win	dep	738.0	1358.0	675.0	1510.0	165.	337.	AG	150.	8.1	.0	32.0		
22. NB	Win	dep	675.0	1510.0	610.0	1621.0	129.	330.	AG	150.	8.1	.0	32.0		
23. NB	Win	dep	610.0	1621.0	530.0	1717.0	125.	320.	AG	150.	8.1	.0	32.0		
24. NB	Win	dep	530.0	1717.0	414.0	1856.0	181.	320.	AG	150.	8.1	.0	32.0		
25. NB	Win	dep	414.0	1856.0	372.0	1963.0	115.	339.	AG	150.	8.1	.0	32.0		
26. NB	Win	dep	372.0	1963.0	356.0	2049.0	87.	349.	AG	150.	8.1	.0	32.0		
27. SB	Win		340.0	2038.0	362.0	1946.0	95.	167.	AG	100.	8.1	.0	32.0		
28. SB	Win		362.0	1946.0	397.0	1851.0	101.	160.	AG	100.	8.1	.0	32.0		
29. SB	Win		397.0	1851.0	593.0	1622.0	301.	139.	AG	100.	8.1	.0	32.0		
30. SB	Win		593.0	1622.0	660.0	1510.0	131.	149.	AG	100.	8.1	.0	32.0		
31. SB	Win		660.0	1510.0	722.0	1360.0	162.	158.	AG	100.	8.1	.0	32.0		
32. SB	Win		722.0	1360.0	769.0	1150.0	215.	167.	AG	100.	8.1	.0	32.0		
33. SB	Win		759.0	1197.0	749.3	1240.2	44.	347.	AG	86.	100.0	.0	12.0	.34	2.3
34. SB	Win	dep	769.0	1150.0	785.0	1074.0	78.	168.	AG	250.	8.1	.0	32.0		
35. SB	Win	dep	785.0	1074.0	964.0	508.0	594.	162.	AG	250.	8.1	.0	32.0		
36. SB	Win	dep	964.0	508.0	1000.0	166.0	344.	174.	AG	250.	8.1	.0	32.0		

JOB: S3 US40 & Winans NBPM21 RUN: Site 3 No Build PM 2021
DATE: 09/06/2012 TIME: 10:31:16.18

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB	US40	110	37	2.0	1745	1282	43.60	1	3
14. WB	US40	110	37	2.0	2675	1371	43.60	1	3
19. NB	Win	110	81	2.0	280	1385	43.60	1	3
33. SB	Win	110	81	2.0	100	1305	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	927.0	737.0	5.0
2. SE 164 S	865.0	933.0	5.0
3. SE 82 S	841.0	1012.0	5.0
4. SE CNR	818.0	1090.0	5.0
5. SE 82 E	898.0	1105.0	5.0
6. SE 164 E	979.0	1121.0	5.0
7. SE MID E	1183.0	1160.0	5.0
8. NE MID E	1193.0	1274.0	5.0
9. NE 164 E	954.0	1227.0	5.0
10. NE 82 E	874.0	1211.0	5.0
11. NE CNR	796.0	1198.0	5.0
12. NE 82 N	779.0	1276.0	5.0
13. NE 164 N	760.0	1355.0	5.0
14. NE MID N	658.0	1584.0	5.0
15. NW 164 N	702.0	1346.0	5.0
16. NW 82 N	723.0	1266.0	5.0
17. NW MID N	605.0	1561.0	5.0
18. NW CNR	733.0	1187.0	5.0
19. NW 82 W	660.0	1170.0	5.0
20. NW 164 W	578.0	1155.0	5.0

21. NW MID W	*	389.0	1118.0	5.0	*
22. SW MID W	*	405.0	1009.0	5.0	*
23. SW 164 W	*	605.0	1048.0	5.0	*
24. SW 82 W	*	686.0	1064.0	5.0	*
25. SW CNR	*	765.0	1076.0	5.0	*
26. SW 82 S	*	790.0	999.0	5.0	*
27. SW 164 S	*	814.0	922.0	5.0	*
28. SW MID S	*	877.0	719.0	5.0	*

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JOB: S3 US40 & Winans NBPM21 RUN: Site 3 No Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.4	.5	1.0	1.1	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	.2	.4	.5	1.0	1.2	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
10.	.1	.4	.5	1.0	1.0	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
15.	.1	.4	.5	1.0	1.0	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
20.	.1	.4	.5	1.1	1.2	.8	.8	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
25.	.2	.3	.6	1.1	1.2	.8	.8	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0
30.	.1	.3	.6	1.1	1.0	1.0	.8	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0
35.	.0	.3	.5	1.1	1.1	.9	.9	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0
40.	.0	.3	.5	1.2	1.1	.9	.9	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0
45.	.0	.2	.5	1.2	1.1	.9	.9	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0
50.	.1	.3	.5	1.2	1.1	1.0	1.0	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0
55.	.0	.3	.4	1.3	1.0	1.0	1.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.1
60.	.0	.3	.5	1.1	1.1	1.0	1.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.2	.2	.1
65.	.0	.1	.4	1.2	1.1	1.2	1.0	.2	.2	.4	.2	.0	.0	.0	.0	.0	.0	.2	.3	.4
70.	.0	.1	.3	1.2	1.0	1.1	1.1	.4	.4	.4	.6	.0	.0	.0	.0	.0	.0	.5	.5	.5
75.	.0	.0	.2	1.1	1.1	1.0	1.0	.6	.7	.9	.9	.0	.0	.0	.0	.0	.0	.9	1.0	.8
80.	.0	.0	.0	.7	.7	1.0	.8	1.0	.9	1.1	1.2	.0	.0	.0	.0	.0	.0	1.2	1.2	1.1
85.	.0	.0	.0	.4	.4	.7	.6	1.1	1.3	1.3	1.4	.3	.0	.0	.0	.2	.0	1.3	1.4	1.4
90.	.0	.0	.0	.2	.2	.3	.5	1.2	1.4	1.5	1.6	.4	.1	.0	.0	.6	.0	1.3	1.5	1.7
95.	.0	.0	.0	.2	.2	.2	.3	1.3	1.5	1.6	1.5	.5	.3	.0	.2	.4	.0	1.4	1.4	1.6
100.	.0	.0	.0	.1	.1	.1	.2	1.2	1.3	1.4	1.6	.4	.3	.0	.1	.5	.0	1.3	1.4	1.6
105.	.0	.0	.0	.0	.1	.1	.1	1.3	1.0	1.6	1.6	.5	.3	.0	.3	.6	.0	1.3	1.4	1.5
110.	.0	.0	.0	.0	.0	.1	.1	1.3	1.0	1.6	1.6	.6	.3	.0	.4	.5	.0	1.3	1.4	1.5
115.	.0	.0	.0	.0	.0	.1	.1	1.2	1.0	1.5	1.5	.5	.3	.0	.3	.6	.0	1.2	1.3	1.4
120.	.0	.0	.0	.0	.0	.1	.1	1.0	1.0	1.5	1.4	.5	.3	.0	.4	.6	.0	1.1	1.3	1.3
125.	.0	.0	.0	.0	.0	.0	.1	1.1	1.1	1.3	1.4	.7	.3	.0	.5	.7	.0	1.1	1.3	1.3
130.	.0	.0	.0	.0	.0	.0	.0	1.0	.9	1.3	1.4	.6	.4	.0	.4	.7	.0	1.1	1.3	1.2
135.	.0	.0	.0	.0	.0	.0	.0	1.0	.9	1.3	1.3	.7	.5	.1	.5	.6	.1	1.0	1.2	1.3
140.	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.2	1.1	.7	.4	.1	.4	.6	.1	.9	1.2	1.2
145.	.0	.0	.0	.0	.0	.0	.0	.9	.8	1.3	1.1	.6	.5	.1	.4	.6	.1	1.1	1.3	1.0
150.	.0	.0	.0	.0	.0	.0	.0	.8	.9	1.3	1.1	.6	.4	.1	.4	.5	.1	1.2	1.3	1.0
155.	.1	.1	.1	.2	.0	.0	.0	1.0	.8	1.2	1.0	.5	.4	.1	.3	.6	.2	1.2	1.2	.9
160.	.1	.1	.2	.2	.0	.0	.0	1.0	.9	1.2	1.0	.5	.4	.1	.4	.6	.1	1.2	1.2	1.1
165.	.1	.1	.2	.2	.0	.0	.0	.9	.9	1.4	1.2	.5	.5	.2	.3	.7	.1	1.0	1.2	1.0
170.	.1	.2	.3	.4	.0	.0	.0	.9	.8	1.5	1.2	.5	.4	.1	.4	.5	.1	1.0	1.2	.9
175.	.2	.2	.3	.4	.0	.0	.0	.9	1.0	1.3	1.1	.6	.4	.1	.4	.5	.1	1.2	1.2	.9
180.	.2	.2	.4	.4	.0	.0	.0	.9	1.0	1.2	1.2	.5	.4	.1	.4	.5	.2	1.1	1.1	1.0
185.	.2	.2	.4	.4	.0	.0	.0	.8	.9	1.2	1.0	.7	.6	.2	.4	.6	.1	1.1	1.1	1.0
190.	.2	.2	.4	.4	.0	.0	.0	.8	1.0	1.2	.9	.6	.5	.1	.4	.6	.1	1.1	1.1	.9
195.	.2	.2	.4	.4	.0	.0	.0	.9	1.0	1.3	1.1	.6	.5	.1	.4	.6	.1	1.1	1.0	.9
200.	.2	.2	.4	.4	.1	.0	.0	.9	1.2	1.3	1.1	.6	.5	.1	.3	.5	.1	1.1	1.0	.9
205.	.2	.2	.4	.4	.1	.0	.0	.9	1.3	1.4	1.1	.6	.4	.1	.4	.5	.2	1.2	1.1	1.0

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JOB: S3 US40 & Winans NBPM21 RUN: Site 3 No Build PM 2021

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.2	.2	.4	.4	.1	.0	.0	.9	1.2	1.5	1.0	.6	.3	.2	.3	.6	.2	1.2	1.1	1.0
215.	.2	.2	.4	.3	.1	.0	.1	1.0	1.3	1.5	1.1	.7	.3	.2	.4	.5	.2	1.2	1.1	1.1
220.	.2	.2	.4	.3	.1	.0	.1	1.0	1.5	1.6	1.3	.7	.3	.2	.4	.6	.2	1.1	1.2	1.2
225.	.2	.2	.4	.3	.1	.1	.1	1.1	1.6	1.5	1.3	.6	.4	.2	.3	.7	.2	1.2	1.3	1.2
230.	.2	.2	.4	.3	.2	.1	.1	1.1	1.6	1.7	1.4	.7	.3	.1	.3	.6	.1	1.2	1.3	1.3
235.	.2	.2	.4	.3	.2	.1	.1	1.2	1.6	1.7	1.4	.5	.3	.1	.3	.6	.1	1.4	1.4	1.4
240.	.2	.2	.4	.4	.2	.1	.2	1.3	1.7	1.9	1.5	.5	.3	.0	.3	.4	.0	1.3	1.5	1.5
245.	.2	.2	.4	.3	.3	.2	.2	1.4	1.9	1.9	1.6	.5	.3	.0	.3	.4	.0	1.4	1.4	1.5
250.	.2	.2	.4	.7	.6	.6	.4	1.4	1.8	1.7	1.4	.4	.2	.0	.2	.4	.0	1.3	1.5	1.4
255.	.2	.2	.6	.9	.7	.7	.6	1.4	1.5	1.4	1.3	.3	.1	.0	.1	.3	.0	1.1	1.3	1.3
260.	.2	.2	.6	1.2	1.1	1.2	1.1	1.2	1.3	1.1	.9	.2	.1	.0	.1	.2	.0	.9	1.1	1.1
265.	.2	.5	.6	1.4	1.1	1.2	1.2	.7	.8	.9	.9	.1	.0	.0	.0	.1	.0	.7	.9	.9
270.	.2	.5	.8	1.6	1.3	1.4	1.2	.6	.6	.4	.5	.0	.0	.0	.0	.0	.0	.4	.6	.6
275.	.2	.5	.9	1.5	1.3	1.4	1.3	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.2	.4	.4
280.	.4	.6	.9	1.4	1.4	1.5	1.2	.1	.2	.1	.3	.0	.0	.0	.0	.0	.0	.2	.2	.3
285.	.4	.6	1.0	1.5	1.2	1.5	1.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.2	.2
290.	.4	.8	1.1	1.4	1.2	1.2	1.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
295.	.4	.8	.9	1.3	1.2	1.2	1.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
300.	.4	.7	.9	1.1	1.1	1.2	.9	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1

305. *	.3	.8	.9	1.2	1.2	1.2	.9	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
310. *	.3	.8	.8	1.2	1.2	1.0	.9	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
315. *	.3	.8	.8	1.0	1.0	1.0	.9	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
320. *	.4	.8	.8	.9	1.0	1.0	.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
325. *	.4	.6	.9	.9	1.1	1.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330. *	.4	.7	.8	1.0	1.1	1.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335. *	.3	.7	.6	.9	1.1	.9	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340. *	.3	.7	.6	.9	1.1	.9	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345. *	.2	.6	.8	1.0	1.1	.9	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350. *	.2	.5	.5	.9	1.2	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355. *	.1	.5	.5	.9	1.2	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360. *	.1	.4	.5	1.0	1.1	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX *	.4	.8	1.1	1.6	1.4	1.5	1.3	1.4	1.9	1.9	1.6	.7	.6	.2	.5	.7	.2	1.4	1.5	1.7
DEGR. *	280	320	290	270	280	280	275	245	245	245	100	185	185	165	125	125	155	95	90	90

1

JOB: S3 US40 & Winans NBPM21 RUN: Site 3 No Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.8	.8	1.2	1.0	.9	.6	.3
5. *	.0	.8	.7	1.2	.9	.9	.7	.3
10. *	.0	.8	.8	1.2	.9	.7	.8	.3
15. *	.0	.8	.8	1.2	1.1	.8	.8	.3
20. *	.1	.8	.7	1.2	1.0	.8	.8	.3
25. *	.1	.8	.7	1.4	1.0	.9	.9	.3
30. *	.1	.9	.9	1.4	1.3	.8	.7	.3
35. *	.1	.9	1.0	1.3	1.3	1.0	.7	.2
40. *	.1	.9	1.0	1.5	1.3	1.0	.6	.2
45. *	.1	1.1	1.2	1.5	1.2	1.0	.6	.2
50. *	.1	1.0	1.1	1.5	1.4	.9	.5	.2
55. *	.2	1.1	1.2	1.3	1.4	.7	.5	.2
60. *	.3	1.2	1.3	1.5	1.4	.6	.4	.2
65. *	.5	1.1	1.4	1.6	1.3	.6	.4	.2
70. *	.6	1.0	1.3	1.4	1.5	.6	.3	.2
75. *	.9	.9	1.1	1.1	1.4	.6	.3	.2
80. *	1.1	.7	.7	.7	1.0	.3	.2	.2
85. *	1.4	.4	.7	.6	.4	.3	.2	.2
90. *	1.4	.3	.3	.5	.4	.3	.2	.2
95. *	1.4	.2	.1	.2	.3	.4	.2	.2
100. *	1.4	.1	.1	.2	.2	.4	.2	.2
105. *	1.4	.1	.1	.2	.2	.4	.2	.2
110. *	1.2	.1	.1	.2	.4	.4	.2	.2
115. *	1.1	.1	.1	.1	.4	.4	.2	.2
120. *	1.2	.1	.0	.1	.4	.4	.2	.2
125. *	1.1	.1	.0	.1	.4	.3	.2	.2
130. *	1.0	.0	.0	.0	.4	.3	.2	.2
135. *	.9	.0	.0	.0	.4	.3	.2	.2
140. *	.9	.0	.0	.0	.4	.3	.2	.2
145. *	1.0	.0	.0	.0	.3	.3	.2	.2
150. *	1.0	.0	.0	.0	.3	.3	.2	.2
155. *	.9	.0	.0	.0	.3	.2	.2	.1
160. *	.9	.0	.0	.0	.3	.2	.2	.1
165. *	.9	.0	.0	.0	.1	.1	.1	.1
170. *	1.0	.0	.0	.0	.1	.1	.1	.0
175. *	.9	.0	.0	.0	.0	.0	.0	.0
180. *	.9	.0	.0	.0	.0	.0	.0	.0
185. *	.9	.0	.0	.0	.0	.0	.0	.0
190. *	.9	.0	.0	.0	.0	.0	.0	.0
195. *	.9	.0	.0	.0	.0	.0	.0	.0
200. *	.9	.0	.0	.0	.0	.0	.0	.0
205. *	1.1	.0	.0	.0	.0	.0	.0	.0

1

JOB: S3 US40 & Winans NBPM21 RUN: Site 3 No Build PM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	1.1	.0	.0	.0	.0	.0	.0	.0
215. *	1.1	.1	.0	.0	.0	.0	.0	.0
220. *	1.2	.1	.0	.0	.0	.0	.0	.0
225. *	1.2	.1	.0	.1	.0	.0	.0	.0
230. *	1.3	.1	.0	.1	.0	.0	.0	.0
235. *	1.4	.1	.0	.1	.1	.0	.0	.0
240. *	1.4	.2	.2	.1	.1	.0	.0	.0
245. *	1.4	.3	.2	.3	.2	.0	.0	.0
250. *	1.4	.5	.4	.5	.5	.0	.0	.0

255.	*	1.3	.6	.6	.6	.7	.1	.0	.0
260.	*	1.1	.8	.7	1.0	.8	.2	.0	.0
265.	*	.9	1.0	.8	1.0	1.1	.2	.2	.0
270.	*	.6	1.1	1.0	1.1	1.2	.4	.2	.0
275.	*	.4	1.1	1.1	1.1	1.5	.4	.2	.0
280.	*	.3	1.1	1.1	1.1	1.5	.5	.3	.1
285.	*	.2	1.1	1.1	1.0	1.5	.5	.3	.2
290.	*	.1	1.0	1.1	1.1	1.4	.4	.4	.2
295.	*	.1	1.0	.9	1.1	1.3	.6	.3	.2
300.	*	.1	.9	.9	1.1	1.3	.6	.4	.2
305.	*	.1	.9	.9	.9	1.4	.5	.3	.1
310.	*	.1	.9	.8	1.0	1.2	.6	.3	.1
315.	*	.1	.9	.8	1.0	1.2	.6	.4	.1
320.	*	.1	.8	.8	1.0	1.1	.5	.4	.1
325.	*	.0	.8	.9	1.1	1.1	.5	.3	.1
330.	*	.0	.8	.8	1.1	1.1	.5	.3	.2
335.	*	.0	.8	.8	1.1	1.0	.5	.3	.3
340.	*	.0	.8	.8	1.2	1.0	.5	.4	.3
345.	*	.0	.9	.8	1.2	.9	.6	.6	.2
350.	*	.0	.9	.9	1.3	.9	.7	.6	.3
355.	*	.0	.9	.9	1.2	1.0	.6	.7	.3
360.	*	.0	.8	.8	1.2	1.0	.9	.6	.3
MAX	*	1.4	1.2	1.4	1.6	1.5	1.0	.9	.3
DEGR.	*	235	60	65	65	70	35	25	0

THE HIGHEST CONCENTRATION IS 1.90 PPM AT 245 DEGREES FROM REC9 .
THE 2ND HIGHEST CONCENTRATION IS 1.90 PPM AT 245 DEGREES FROM REC10.
THE 3RD HIGHEST CONCENTRATION IS 1.70 PPM AT 90 DEGREES FROM REC20.

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S3 US40 & Winans NBPM35                 60.0321.0.0000.000280.30480000    1    1
SE MID S                  927.      737.       5.0
SE 164 S                  865.      933.       5.0
SE 82 S                   841.     1012.       5.0
SE CNR                    818.     1090.       5.0
SE 82 E                   898.     1105.       5.0
SE 164 E                  979.     1121.       5.0
SE MID E                 1183.     1160.       5.0
NE MID E                 1193.     1274.       5.0
NE 164  E                 954.     1227.       5.0
NE 82 E                   874.     1211.       5.0
NE CNR                    796.     1198.       5.0
NE 82 N                   779.     1276.       5.0
NE 164 N                  760.     1355.       5.0
NE MID N                  658.     1584.       5.0
NW 164 N                  702.     1346.       5.0
NW 82 N                   723.     1266.       5.0
NW MID N                  605.     1561.       5.0
NW CNR                    733.     1187.       5.0
NW 82 W                   660.     1170.       5.0
NW 164 W                  578.     1155.       5.0
NW MID W                  389.     1118.       5.0
SW MID W                  405.     1009.       5.0
SW 164 W                  605.     1048.       5.0
SW 82 W                   686.     1064.       5.0
SW CNR                    765.     1076.       5.0
SW 82 S                   790.      999.       5.0
SW 164 S                  814.      922.       5.0
SW MID S                  877.      719.       5.0
Site 3 No Build PM 2035                  36  1   0
  1
EB        US40      AG  -196.   918.   455.  1047.   2310. 7.8   0  56   35.
  1
EB        US40      AG   455.  1047.   589.  1081.   2310. 7.8   0  56   35.
  1
EB        US40      AG   589.  1081.   780.  1117.   2310. 7.8   0  68   35.
  2
EB        US40      AG   749.  1111.   596.  1083.      0.  48   4
       110        33       2.0 2310   42.1 1289 1 3
  1
EB        US40 dep  AG   780.  1117.   905.  1136.   2225. 7.8   0  56   35.
  1
EB        US40 dep  AG   905.  1136.  1240.  1198.   2225. 7.8   0  56   35.
  1
EB        US40 dep  AG  1240.  1198.  1423.  1221.   2225. 7.8   0  56   35.
  1
EB        US40 dep  AG  1423.  1221.  1769.  1239.   2225. 7.8   0  56   35.
  1
WB        US40      AG  1764.  1291.  1427.  1273.   2885. 7.8   0  56   35.
  1
WB        US40      AG  1427.  1273.  1240.  1252.   2885. 7.8   0  56   35.
  1
WB        US40      AG  1240.  1252.  1077.  1223.   2885. 7.8   0  56   35.
  1
WB        US40      AG  1077.  1223.   969.  1194.   2885. 7.8   0  56   35.
  1
WB        US40      AG   969.  1194.   778.  1158.   2885. 7.8   0  68   35.
  2
WB        US40      AG   811.  1164.   956.  1191.      0.  48   4
       110        33       2.0 2885   42.1 1359 1 3
  1
WB        US40 dep  AG   778.  1158.   604.  1132.   3040. 7.8   0  56   35.
  1
WB        US40 dep  AG   604.  1132.  -208.   975.   3040. 7.8   0  56   35.
  1
NB        Win       AG  1016.   171.   977.   513.    270. 7.8   0  32   30.
  1
NB        Win       AG   977.   513.   782.  1136.    270. 7.8   0  32   30.
  2
NB        Win       AG   798.  1085.   858.   891.      0.  12   1
       110        77       2.0  270   42.1 1522 1 3
  1
NB        Win dep   AG   782.  1136.   738.  1358.    120. 7.8   0  32   30.
  1
NB        Win dep   AG   738.  1358.   675.  1510.    120. 7.8   0  32   30.
  1
NB        Win dep   AG   675.  1510.   610.  1621.    120. 7.8   0  32   30.
  1
NB        Win dep   AG   610.  1621.   530.  1717.    120. 7.8   0  32   30.
  1
NB        Win dep   AG   530.  1717.   414.  1856.    120. 7.8   0  32   30.
```

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  1
NB        Win dep   AG   414.  1856.   372.  1963.    120. 7.8   0  32   30.
  1
NB        Win dep   AG   372.  1963.   356.  2049.    120. 7.8   0  32   30.
  1
SB        Win       AG   340.  2038.   362.  1946.     60. 7.8   0  32   30.
  1
SB        Win       AG   362.  1946.   397.  1851.     60. 7.8   0  32   30.
  1
SB        Win       AG   397.  1851.   593.  1622.     60. 7.8   0  32   30.
  1
SB        Win       AG   593.  1622.   660.  1510.     60. 7.8   0  32   30.
  1
SB        Win       AG   660.  1510.   722.  1360.     60. 7.8   0  32   30.
  1
SB        Win       AG   722.  1360.   769.  1150.     60. 7.8   0  32   30.
  2
SB        Win       AG   759.  1197.   729.  1330.      0.  12   1
       110        77       2.0   60   42.1 1448 1 3
  1
SB        Win dep   AG   769.  1150.   785.  1074.    140. 7.8   0  32   30.
  1
SB        Win dep   AG   785.  1074.   964.   508.    140. 7.8   0  32   30.
  1
SB        Win dep   AG   964.   508.  1000.   166.    140. 7.8   0  32   30.
1.0   04  1000   0Y  5  0 72
```

JOB: S3 US40 & Winans NBPM35 RUN: Site 3 No Build PM 2035
DATE: 09/06/2012 TIME: 10:18:15.14

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	US40	-196.0	918.0	455.0	1047.0	664.	79.	AG	2310.	7.8	.0	56.0		
2. EB	US40	455.0	1047.0	589.0	1081.0	138.	76.	AG	2310.	7.8	.0	56.0		
3. EB	US40	589.0	1081.0	780.0	1117.0	194.	79.	AG	2310.	7.8	.0	68.0		
4. EB	US40	749.0	1111.0	646.6	1092.3	104.	260.	AG	136.	100.0	.0	48.0	.67	5.3
5. EB	US40 dep	780.0	1117.0	905.0	1136.0	126.	81.	AG	2225.	7.8	.0	56.0		
6. EB	US40 dep	905.0	1136.0	1240.0	1198.0	341.	80.	AG	2225.	7.8	.0	56.0		
7. EB	US40 dep	1240.0	1198.0	1423.0	1221.0	184.	83.	AG	2225.	7.8	.0	56.0		
8. EB	US40 dep	1423.0	1221.0	1769.0	1239.0	346.	87.	AG	2225.	7.8	.0	56.0		
9. WB	US40	1764.0	1291.0	1427.0	1273.0	337.	267.	AG	2885.	7.8	.0	56.0		
10. WB	US40	1427.0	1273.0	1240.0	1252.0	188.	264.	AG	2885.	7.8	.0	56.0		
11. WB	US40	1240.0	1252.0	1077.0	1223.0	166.	260.	AG	2885.	7.8	.0	56.0		
12. WB	US40	1077.0	1223.0	969.0	1194.0	112.	255.	AG	2885.	7.8	.0	56.0		
13. WB	US40	969.0	1194.0	778.0	1158.0	194.	259.	AG	2885.	7.8	.0	68.0		
14. WB	US40	811.0	1164.0	938.9	1187.8	130.	79.	AG	136.	100.0	.0	48.0	.80	6.6
15. WB	US40 dep	778.0	1158.0	604.0	1132.0	176.	262.	AG	3040.	7.8	.0	56.0		
16. WB	US40 dep	604.0	1132.0	-208.0	975.0	827.	259.	AG	3040.	7.8	.0	56.0		
17. NB	Win	1016.0	171.0	977.0	513.0	344.	353.	AG	270.	7.8	.0	32.0		
18. NB	Win	977.0	513.0	782.0	1136.0	653.	343.	AG	270.	7.8	.0	32.0		
19. NB	Win	798.0	1085.0	831.6	976.4	114.	163.	AG	79.	100.0	.0	12.0	.67	5.8
20. NB	Win dep	782.0	1136.0	738.0	1358.0	226.	349.	AG	120.	7.8	.0	32.0		
21. NB	Win dep	738.0	1358.0	675.0	1510.0	165.	337.	AG	120.	7.8	.0	32.0		
22. NB	Win dep	675.0	1510.0	610.0	1621.0	129.	330.	AG	120.	7.8	.0	32.0		
23. NB	Win dep	610.0	1621.0	530.0	1717.0	125.	320.	AG	120.	7.8	.0	32.0		
24. NB	Win dep	530.0	1717.0	414.0	1856.0	181.	320.	AG	120.	7.8	.0	32.0		
25. NB	Win dep	414.0	1856.0	372.0	1963.0	115.	339.	AG	120.	7.8	.0	32.0		
26. NB	Win dep	372.0	1963.0	356.0	2049.0	87.	349.	AG	120.	7.8	.0	32.0		
27. SB	Win	340.0	2038.0	362.0	1946.0	95.	167.	AG	60.	7.8	.0	32.0		
28. SB	Win	362.0	1946.0	397.0	1851.0	101.	160.	AG	60.	7.8	.0	32.0		
29. SB	Win	397.0	1851.0	593.0	1622.0	301.	139.	AG	60.	7.8	.0	32.0		
30. SB	Win	593.0	1622.0	660.0	1510.0	131.	149.	AG	60.	7.8	.0	32.0		
31. SB	Win	660.0	1510.0	722.0	1360.0	162.	158.	AG	60.	7.8	.0	32.0		
32. SB	Win	722.0	1360.0	769.0	1150.0	215.	167.	AG	60.	7.8	.0	32.0		
33. SB	Win	759.0	1197.0	753.4	1221.6	25.	347.	AG	79.	100.0	.0	12.0	.16	1.3
34. SB	Win dep	769.0	1150.0	785.0	1074.0	78.	168.	AG	140.	7.8	.0	32.0		
35. SB	Win dep	785.0	1074.0	964.0	508.0	594.	162.	AG	140.	7.8	.0	32.0		
36. SB	Win dep	964.0	508.0	1000.0	166.0	344.	174.	AG	140.	7.8	.0	32.0		

JOB: S3 US40 & Winans NBPM35 RUN: Site 3 No Build PM 2035
DATE: 09/06/2012 TIME: 10:18:15.14

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. EB	US40	110	33	2.0	2310	1289	42.10	1	3
14. WB	US40	110	33	2.0	2885	1359	42.10	1	3
19. NB	Win	110	77	2.0	270	1522	42.10	1	3
33. SB	Win	110	77	2.0	60	1448	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	927.0	737.0	5.0
2. SE 164 S	865.0	933.0	5.0
3. SE 82 S	841.0	1012.0	5.0
4. SE CNR	818.0	1090.0	5.0
5. SE 82 E	898.0	1105.0	5.0
6. SE 164 E	979.0	1121.0	5.0
7. SE MID E	1183.0	1160.0	5.0
8. NE MID E	1193.0	1274.0	5.0
9. NE 164 E	954.0	1227.0	5.0
10. NE 82 E	874.0	1211.0	5.0
11. NE CNR	796.0	1198.0	5.0
12. NE 82 N	779.0	1276.0	5.0
13. NE 164 N	760.0	1355.0	5.0
14. NE MID N	658.0	1584.0	5.0
15. NW 164 N	702.0	1346.0	5.0
16. NW 82 N	723.0	1266.0	5.0
17. NW MID N	605.0	1561.0	5.0
18. NW CNR	733.0	1187.0	5.0
19. NW 82 W	660.0	1170.0	5.0
20. NW 164 W	578.0	1155.0	5.0

21. NW MID W	*	389.0	1118.0	5.0	*
22. SW MID W	*	405.0	1009.0	5.0	*
23. SW 164 W	*	605.0	1048.0	5.0	*
24. SW 82 W	*	686.0	1064.0	5.0	*
25. SW CNR	*	765.0	1076.0	5.0	*
26. SW 82 S	*	790.0	999.0	5.0	*
27. SW 164 S	*	814.0	922.0	5.0	*
28. SW MID S	*	877.0	719.0	5.0	*

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JOB: S3 US40 & Winans NBPM35 RUN: Site 3 No Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.2	.4	.5	1.0	1.2	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	.2	.5	.6	1.1	1.2	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	.1	.5	.6	1.1	1.1	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	.1	.5	.6	1.1	1.2	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	.1	.3	.6	1.2	1.2	1.0	.9	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
25.	.2	.3	.6	1.2	1.2	1.0	1.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0
30.	.1	.4	.6	1.3	1.2	1.1	1.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0
35.	.1	.4	.7	1.2	1.3	1.0	1.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0
40.	.0	.4	.6	1.4	1.3	1.2	1.2	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0
45.	.0	.2	.5	1.4	1.2	1.2	1.2	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0
50.	.1	.3	.5	1.6	1.2	1.1	1.2	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0
55.	.1	.3	.5	1.3	1.1	1.3	1.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.1
60.	.0	.3	.5	1.4	1.3	1.2	1.3	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.2	.3	.1
65.	.0	.1	.5	1.4	1.3	1.4	1.2	.2	.2	.4	.2	.0	.0	.0	.0	.0	.0	.2	.3	.4
70.	.0	.2	.5	1.2	1.3	1.4	1.3	.4	.4	.6	.6	.0	.0	.0	.0	.0	.0	.6	.6	.5
75.	.0	.0	.3	1.3	1.3	1.2	1.1	.6	.7	.9	.9	.0	.0	.0	.0	.0	.0	.9	1.0	.9
80.	.0	.0	.1	1.1	1.0	1.1	.9	1.0	1.1	1.1	1.2	.0	.0	.0	.0	.0	.0	1.1	1.3	1.4
85.	.0	.0	.0	.4	.7	.9	.9	1.2	1.4	1.7	1.5	.3	.0	.0	.0	.2	.0	1.5	1.4	1.7
90.	.0	.0	.0	.4	.3	.6	.6	1.3	1.6	1.7	1.7	.5	.1	.0	.1	.6	.0	1.4	1.5	1.7
95.	.0	.0	.0	.2	.2	.2	.4	1.5	1.5	1.9	1.6	.6	.3	.0	.2	.5	.0	1.5	1.6	1.9
100.	.0	.0	.0	.2	.1	.2	.2	1.6	1.5	1.4	1.8	.5	.3	.0	.2	.5	.0	1.6	1.5	1.7
105.	.0	.0	.0	.1	.1	.1	.1	1.4	1.3	1.6	1.7	.5	.4	.0	.3	.7	.0	1.4	1.7	1.7
110.	.0	.0	.0	.0	.0	.1	.1	1.5	1.2	1.5	1.6	.7	.3	.0	.4	.6	.0	1.4	1.6	1.7
115.	.0	.0	.0	.0	.0	.1	.1	1.3	1.1	1.4	1.6	.6	.4	.0	.3	.7	.0	1.2	1.4	1.5
120.	.0	.0	.0	.0	.0	.1	.1	1.2	1.0	1.4	1.6	.6	.4	.0	.4	.6	.0	1.3	1.5	1.6
125.	.0	.0	.0	.0	.0	.1	.1	1.2	1.1	1.5	1.4	.7	.3	.1	.5	.6	.1	1.3	1.3	1.4
130.	.0	.0	.0	.0	.0	.1	.1	1.2	1.1	1.4	1.4	.6	.4	.1	.5	.6	.1	1.1	1.4	1.4
135.	.0	.0	.0	.0	.0	.0	.1	1.1	1.0	1.4	1.4	.6	.5	.1	.5	.5	.2	1.1	1.3	1.4
140.	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.5	1.3	.7	.4	.2	.5	.5	.2	1.1	1.2	1.2
145.	.0	.0	.0	.0	.0	.0	.0	1.1	.9	1.3	1.3	.6	.5	.2	.4	.5	.1	1.1	1.2	1.2
150.	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.3	1.1	.5	.5	.1	.4	.5	.1	1.2	1.2	1.1
155.	.1	.1	.1	.1	.0	.0	.0	1.0	.9	1.3	1.1	.6	.4	.1	.4	.5	.2	1.2	1.2	1.2
160.	.1	.1	.1	.2	.0	.0	.0	1.0	1.0	1.4	1.2	.6	.4	.1	.4	.5	.1	1.2	1.2	1.2
165.	.1	.1	.1	.2	.0	.0	.0	1.1	1.0	1.4	1.2	.7	.5	.2	.5	.7	.2	1.1	1.4	1.1
170.	.1	.1	.1	.2	.0	.0	.0	1.0	1.0	1.4	1.3	.6	.4	.2	.4	.6	.2	1.1	1.4	1.2
175.	.1	.1	.1	.3	.0	.0	.0	1.0	1.0	1.4	1.4	.5	.4	.2	.4	.6	.2	1.2	1.3	1.2
180.	.1	.1	.2	.3	.0	.0	.0	1.0	1.1	1.4	1.2	.6	.4	.2	.4	.6	.2	1.2	1.2	1.0
185.	.1	.1	.2	.3	.0	.0	.0	1.0	1.0	1.3	1.0	.5	.5	.2	.4	.6	.1	1.2	1.1	1.1
190.	.1	.1	.2	.3	.0	.0	.0	1.0	1.0	1.3	1.1	.6	.4	.1	.4	.6	.1	1.2	1.1	1.1
195.	.1	.1	.2	.3	.0	.0	.0	1.0	1.1	1.3	1.0	.7	.4	.1	.4	.6	.1	1.3	1.1	1.1
200.	.1	.1	.2	.3	.0	.0	.0	1.0	1.2	1.4	1.1	.6	.4	.1	.4	.6	.2	1.3	1.1	1.1
205.	.1	.1	.3	.3	.0	.0	.1	1.0	1.2	1.4	1.3	.6	.4	.2	.4	.7	.2	1.3	1.3	1.1

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JOB: S3 US40 & Winans NBPM35 RUN: Site 3 No Build PM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.1	.1	.3	.3	.0	.1	.1	1.1	1.3	1.5	1.3	.6	.5	.2	.5	.7	.2	1.3	1.2	1.2
215.	.1	.1	.3	.3	.2	.1	.1	1.1	1.3	1.5	1.2	.7	.4	.2	.5	.5	.2	1.3	1.2	1.3
220.	.1	.1	.3	.3	.2	.1	.1	1.1	1.4	1.6	1.3	.8	.5	.2	.4	.6	.2	1.4	1.3	1.4
225.	.1	.1	.3	.3	.2	.1	.1	1.2	1.5	1.8	1.4	.6	.5	.2	.4	.7	.2	1.4	1.5	1.3
230.	.1	.1	.3	.3	.2	.1	.1	1.2	1.5	1.7	1.5	.7	.3	.2	.3	.6	.2	1.5	1.5	1.5
235.	.1	.1	.3	.4	.2	.1	.2	1.3	1.5	1.7	1.5	.7	.3	.1	.3	.6	.1	1.5	1.5	1.5
240.	.1	.1	.3	.3	.2	.1	.2	1.4	1.9	2.0	1.7	.6	.3	.1	.3	.6	.1	1.4	1.7	1.6
245.	.1	.1	.3	.6	.3	.4	.3	1.6	1.8	1.8	1.6	.5	.3	.0	.3	.4	.0	1.5	1.7	1.7
250.	.1	.1	.3	.8	.5	.6	.5	1.8	1.8	1.8	1.5	.4	.3	.0	.2	.4	.0	1.5	1.5	1.6
255.	.1	.1	.5	1.1	1.1	.9	1.0	1.5	1.6	1.5	1.4	.3	.1	.0	.1	.3	.0	1.4	1.5	1.4
260.	.1	.2	.5	1.3	1.2	1.2	1.4	1.2	1.4	1.3	1.0	.3	.1	.0	.1	.3	.0	1.0	1.1	1.3
265.	.1	.3	.6	1.5	1.4	1.4	1.5	.8	1.0	1.0	.9	.1	.0	.0	.0	.1	.0	.7	.9	.9
270.	.1	.3	.8	1.7	1.5	1.7	1.6	.6	.6	.6	.5	.1	.0	.0	.0	.0	.0	.4	.7	.7
275.	.1	.4	.8	1.7	1.5	1.7	1.6	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.2	.4	.4
280.	.3	.4	.8	1.6	1.5	1.6	1.5	.2	.2	.1	.3	.0	.0	.0	.0	.0	.0	.2	.2	.3
285.	.3	.5	1.1	1.6	1.5	1.6	1.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.2	.2
290.	.3	.6	1.0	1.5	1.4	1.5	1.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
295.	.3	.5	.9	1.4	1.3	1.4	1.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
300.	.3	.5	.9	1.2	1.4	1.4	1.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1

305. *	.2	.5	.9	1.3	1.2	1.4	1.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
310. *	.2	.6	.8	1.3	1.3	1.3	1.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
315. *	.3	.6	.8	1.1	1.2	1.2	1.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
320. *	.4	.6	.9	1.1	1.1	1.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
325. *	.3	.5	1.0	1.1	1.1	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330. *	.3	.6	.7	1.1	1.1	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335. *	.3	.6	.7	1.0	1.1	1.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340. *	.3	.6	.8	.9	1.1	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345. *	.2	.5	.8	1.1	1.1	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350. *	.2	.6	.6	1.0	1.2	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355. *	.1	.4	.5	1.0	1.2	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360. *	.2	.4	.5	1.0	1.2	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX *	.4	.6	1.1	1.7	1.5	1.7	1.6	1.8	1.9	2.0	1.8	.8	.5	.2	.5	.7	.2	1.6	1.7	1.9
DEGR. *	320	290	285	270	270	270	270	250	240	240	100	220	135	140	125	105	135	100	105	95

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JOB: S3 US40 & Winans NBPM35 RUN: Site 3 No Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	1.0	.9	1.3	1.0	.6	.7	.3
5. *	.0	.9	1.0	1.3	1.0	.9	.7	.4
10. *	.0	.9	.9	1.3	1.0	.7	.7	.4
15. *	.1	.9	.9	1.3	1.1	.7	.6	.2
20. *	.1	.9	.9	1.3	1.0	.7	.6	.2
25. *	.1	1.1	1.0	1.5	1.1	.7	.7	.2
30. *	.1	1.1	1.1	1.5	1.1	.8	.5	.2
35. *	.1	1.1	1.1	1.4	1.2	.9	.4	.2
40. *	.1	1.1	1.3	1.7	1.3	.8	.5	.1
45. *	.1	1.2	1.4	1.7	1.3	.9	.4	.1
50. *	.2	1.4	1.3	1.5	1.5	.8	.3	.1
55. *	.2	1.3	1.5	1.7	1.6	.8	.4	.1
60. *	.3	1.3	1.6	1.7	1.4	.7	.3	.1
65. *	.5	1.2	1.5	1.6	1.3	.7	.3	.1
70. *	.7	1.2	1.6	1.6	1.6	.4	.2	.1
75. *	1.0	1.2	1.1	1.4	1.3	.4	.1	.1
80. *	1.3	.9	.8	.8	1.0	.3	.1	.1
85. *	1.6	.6	.7	.7	.6	.2	.1	.1
90. *	1.6	.4	.5	.4	.4	.2	.1	.1
95. *	1.6	.2	.2	.4	.4	.2	.1	.1
100. *	1.5	.2	.1	.2	.2	.2	.1	.1
105. *	1.4	.1	.1	.2	.2	.2	.1	.1
110. *	1.3	.1	.1	.2	.2	.2	.1	.1
115. *	1.3	.1	.1	.1	.2	.2	.1	.1
120. *	1.2	.1	.1	.1	.2	.2	.1	.1
125. *	1.2	.1	.1	.1	.2	.2	.1	.1
130. *	1.1	.1	.0	.1	.2	.2	.2	.1
135. *	1.2	.1	.0	.0	.2	.2	.2	.2
140. *	1.1	.0	.0	.0	.2	.2	.2	.2
145. *	1.0	.0	.0	.0	.3	.2	.2	.2
150. *	1.0	.0	.0	.0	.3	.2	.2	.2
155. *	1.0	.0	.0	.0	.3	.2	.2	.0
160. *	1.1	.0	.0	.0	.1	.2	.1	.0
165. *	1.1	.0	.0	.0	.0	.0	.0	.0
170. *	1.1	.0	.0	.0	.0	.0	.0	.0
175. *	1.1	.0	.0	.0	.0	.0	.0	.0
180. *	1.0	.0	.0	.0	.0	.0	.0	.0
185. *	1.0	.0	.0	.0	.0	.0	.0	.0
190. *	1.0	.0	.0	.0	.0	.0	.0	.0
195. *	1.0	.0	.0	.0	.0	.0	.0	.0
200. *	1.1	.0	.0	.0	.0	.0	.0	.0
205. *	1.1	.1	.0	.0	.0	.0	.0	.0

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JOB: S3 US40 & Winans NBPM35 RUN: Site 3 No Build PM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	1.1	.1	.0	.1	.0	.0	.0	.0
215. *	1.2	.1	.0	.1	.0	.0	.0	.0
220. *	1.4	.1	.0	.1	.0	.0	.0	.0
225. *	1.4	.1	.0	.1	.1	.0	.0	.0
230. *	1.5	.1	.0	.1	.1	.0	.0	.0
235. *	1.5	.2	.0	.1	.1	.0	.0	.0
240. *	1.6	.2	.2	.2	.1	.0	.0	.0
245. *	1.5	.4	.2	.3	.3	.0	.0	.0
250. *	1.5	.6	.5	.5	.5	.0	.0	.0

255.	*	1.4	.8	.8	.9	.8	.2	.0	.0
260.	*	1.1	1.0	1.0	1.0	1.1	.2	.1	.0
265.	*	.9	1.2	1.1	1.2	1.3	.2	.2	.0
270.	*	.6	1.3	1.3	1.3	1.4	.5	.2	.0
275.	*	.4	1.3	1.3	1.4	1.6	.4	.2	.0
280.	*	.3	1.4	1.3	1.4	1.6	.6	.3	.2
285.	*	.2	1.3	1.2	1.3	1.5	.6	.4	.2
290.	*	.2	1.3	1.2	1.4	1.4	.5	.4	.2
295.	*	.1	1.2	1.1	1.4	1.5	.7	.4	.2
300.	*	.1	1.2	1.1	1.4	1.5	.7	.4	.2
305.	*	.1	1.1	1.0	1.3	1.4	.5	.5	.2
310.	*	.1	1.0	.9	1.3	1.3	.6	.4	.1
315.	*	.1	1.0	1.0	1.3	1.2	.6	.4	.1
320.	*	.1	1.0	1.0	1.2	1.2	.6	.5	.1
325.	*	.0	1.0	.9	1.3	1.1	.5	.4	.3
330.	*	.0	1.0	.9	1.2	1.1	.5	.5	.2
335.	*	.0	1.0	.9	1.3	1.1	.5	.4	.2
340.	*	.0	1.0	1.0	1.3	1.0	.5	.3	.2
345.	*	.0	1.0	1.0	1.4	1.0	.7	.5	.3
350.	*	.0	1.0	.9	1.4	1.1	.6	.5	.3
355.	*	.0	1.0	1.0	1.3	1.0	.5	.7	.3
360.	*	.0	1.0	.9	1.3	1.0	.6	.7	.3
MAX	*	1.6	1.4	1.6	1.7	1.6	.9	.7	.4
DEGR.	*	85	50	60	40	55	5	0	5

THE HIGHEST CONCENTRATION IS 2.00 PPM AT 240 DEGREES FROM REC10.
THE 2ND HIGHEST CONCENTRATION IS 1.90 PPM AT 240 DEGREES FROM REC9 .
THE 3RD HIGHEST CONCENTRATION IS 1.90 PPM AT 95 DEGREES FROM REC20.

```
S4 US40 & FRANKLIN BD                    60.0321.0.0000.000280.30480000    1    1
SE MID                    1444.      490.         .
SE 164                    1376.      559.         .
SE 82                     1330.      627.         .
SE COR                    1263.      718.         .
ES 82                     1378.      756.         .
ES 164                    1457.      777.         .
ES MID                    1612.      821.         .
EN MID                    1592.      926.         .
EN 164                    1425.      873.         .
EN 82                     1344.      848.         .
NE COR1                   1195.      835.         .
LAUR COR                  1077.      942.         .
NE LAU COR                1016.     1002.         .
NE EDM                     917.     1136.         .
NW EDM                     838.     1079.         .
NW LAUR                    972.      930.         .
NW 82                     1029.      871.         .
NW COR                    1087.      785.         .
WN 82                     1014.      763.         .
WN 164                     913.      744.         .
WN MID                     671.      787.         .
WS MID                     608.      701.         .
WS 164                     978.      653.         .
WS 82                     1066.      674.         .
SW COR                    1163.      688.         .
SW 82                     1265.      589.         .
SW 164                    1311.      534.         .
SW MID                    1371.      453.         .
S4 US40 & FRANK BD2021AM                 37  1   0
  1
NB        FRANK     AG  1846.   -20.  1204.   733.    190. 8.2  0. 56.   25.
  2
NB        FRANK LTR AG  1238.   693.  1372.   536.      0. 36.   3
       150       138         3  190   43.6 1666 1 3
  1
NB        FRANK D   AG  1204.   733.  1085.   901.    220. 8.2  0. 32.   25.
  1
NB        EDMO A    AG  1085.   901.   856.  1162.    170. 8.2  0. 32.   25.
  2
NB        EDM LTR   AG   899.  1113.   969.  1034.      0. 12.   1
       150        91         3  170   43.6 1817 1 3
  1
NB        EDMO D    AG   856.  1162.   681.  1243.    175. 8.2  0. 32.   25.
  1
NB        EDMO D    AG   681.  1243.   420.  1400.    175. 8.2  0. 32.   25.
  1
SB        FRANK     AG   884.  1068.  1119.   793.    195. 8.2  0. 32.   25.
  2
SB        FRANK LTR AG  1099.   817.  1018.   912.      0. 12.   1
       150       116         3  195   43.6 1820 1 3
  1
SB        FRANK     AG  1119.   793.  1826.   -41.    235. 8.2  0. 32.   25.
  1
EB        US40      AG   207.   962.   632.   725.   2165. 8.2  0. 56.   35.
  1
EB        US40      AG   632.   725.   757.   682.   2165. 8.1  0. 56.   35.
  1
EB        US40      AG   757.   682.   939.   684.   2165. 8.1  0. 56.   35.
  1
EB        US40 TR   AG   939.   684.  1182.   730.   2150. 8.1  0. 56.   35.
  2
EB        US40 TR   AG  1133.   720.   973.   690.      0. 36.   3
       150        64         3 2150   43.6 1707 1 3
  1
EB        US40 L    AG   939.   684.  1143.   747.     15. 8.1  0. 32.   35.
  2
EB        US40 L    AG  1120.   740.  1039.   714.      0. 12.   1
       150       142         3   15   43.6 1770 1 3
  1
EB        US40 D    AG  1182.   730.  2197.  1004.   2190. 8.1  0. 44.   35.
  1
WB        US40 A    AG  2151.  1046.  1685.   923.    990. 8.1  0. 44.   35.
  1
WB        US40 TR   AG  1685.   923.  1238.   798.    925. 8.1  0. 44.   35.
  2
WB        US40 TR   AG  1273.   808.  1440.   854.      0. 24.   2
       150        54         3  925   43.6 1727 1 3
  1
WB        US40 L    AG  1685.   923.  1588.   880.     65. 8.1  0. 32.   35.
  1
```

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WB        US40 L    AG  1588.   880.  1245.   783.     65. 8.1  0. 32.   35.
  2
WB        US40 L    AG  1279.   793.  1455.   843.      0. 12.   1
       150       134         3   65   43.6 1770 1 3
  1
WB        US40 D    AG  1238.   798.   976.   728.    895. 8.1  0. 44.   35.
  1
WB        US40 D    AG   976.   728.   834.   715.    895. 8.1  0. 44.   35.
  1
WB        US40 D    AG   834.   715.   701.   738.    895. 8.1  0. 44.   35.
  1
WB        US40 D    AG   701.   738.   195.  1007.    895. 8.1  0. 44.   35.
  1
EB        EDMON     AG   299.   998.   612.  1078.    625. 8.2  0. 32.   25.
  1
EB        EDM LT    AG   612.  1078.   812.  1142.    310. 8.2  0. 32.   25.
  2
EB        EDMO LT   AG   754.  1124.   679.  1100.      0. 12.   1
       150        84         3  310   43.6 1860 1 3
  1
EB        EDM R     AG   612.  1078.   823.  1124.    315. 8.2  0. 32.   25.
  2
EB        EDMO RT   AG   767.  1112.   698.  1097.      0. 12.   1
       150        29         3  315   43.6 1583 1 3
  1
EB        EDM D     AG   806.  1142.  1967.  1470.    365. 8.2  0. 44.   25.
  1
WB        EDM A     AG  1903.  1471.   836.  1193.    260. 8.2  0. 44.   25.
  2
WB        EDMO LTR  AG   868.  1201.  1071.  1254.      0. 24.   2
       150       125         3  260   43.6 1725 1 3
  1
WB        EDM D     AG   836.  1193.   180.  1020.    190. 8.2  0. 44.   25.
1.0   04  1000   0Y  5  0 72
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JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2021AM
DATE: 09/10/2012 TIME: 11:31:17.04

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	FRANK	1846.0	-20.0	1204.0	733.0	990.	320.	AG	190.	8.2	.0	56.0		
2. NB	FRANK LTR	1238.0	693.0	1269.8	655.7	49.	140.	AG	323.	100.0	.0	36.0	.59	2.5
3. NB	FRANK D	1204.0	733.0	1085.0	901.0	206.	325.	AG	220.	8.2	.0	32.0		
4. NB	EDMO A	1085.0	901.0	856.0	1162.0	347.	319.	AG	170.	8.2	.0	32.0		
5. NB	EDM LTR	899.0	1113.0	955.1	1049.7	85.	138.	AG	71.	100.0	.0	12.0	.25	4.3
6. NB	EDMO D	856.0	1162.0	681.0	1243.0	193.	295.	AG	175.	8.2	.0	32.0		
7. NB	EDMO D	681.0	1243.0	420.0	1400.0	305.	301.	AG	175.	8.2	.0	32.0		
8. SB	FRANK	884.0	1068.0	1119.0	793.0	362.	139.	AG	195.	8.2	.0	32.0		
9. SB	FRANK LTR	1099.0	817.0	1018.8	911.1	124.	320.	AG	90.	100.0	.0	12.0	.51	6.3
10. SB	FRANK	1119.0	793.0	1826.0	-41.0	1093.	140.	AG	235.	8.2	.0	32.0		
11. EB	US40	207.0	962.0	632.0	725.0	487.	119.	AG	2165.	8.2	.0	56.0		
12. EB	US40	632.0	725.0	757.0	682.0	132.	109.	AG	2165.	8.1	.0	56.0		
13. EB	US40	757.0	682.0	939.0	684.0	182.	89.	AG	2165.	8.1	.0	56.0		
14. EB	US40 TR	939.0	684.0	1182.0	730.0	247.	79.	AG	2150.	8.1	.0	56.0		
15. EB	US40 TR	1133.0	720.0	886.7	673.8	251.	259.	AG	150.	100.0	.0	36.0	.75	12.7
16. EB	US40 L	939.0	684.0	1143.0	747.0	214.	73.	AG	15.	8.1	.0	32.0		
17. EB	US40 L	1120.0	740.0	1108.9	736.4	12.	252.	AG	111.	100.0	.0	12.0	.22	.6
18. EB	US40 D	1182.0	730.0	2197.0	1004.0	1051.	75.	AG	2190.	8.1	.0	44.0		
19. WB	US40 A	2151.0	1046.0	1685.0	923.0	482.	255.	AG	990.	8.1	.0	44.0		
20. WB	US40 TR	1685.0	923.0	1238.0	798.0	464.	254.	AG	925.	8.1	.0	44.0		
21. WB	US40 TR	1273.0	808.0	1404.5	844.2	136.	75.	AG	84.	100.0	.0	24.0	.43	6.9
22. WB	US40 L	1685.0	923.0	1588.0	880.0	106.	246.	AG	65.	8.1	.0	32.0		
23. WB	US40 L	1588.0	880.0	1245.0	783.0	356.	254.	AG	65.	8.1	.0	32.0		
24. WB	US40 L	1279.0	793.0	1324.8	806.0	48.	74.	AG	104.	100.0	.0	12.0	.40	2.4
25. WB	US40 D	1238.0	798.0	976.0	728.0	271.	255.	AG	895.	8.1	.0	44.0		
26. WB	US40 D	976.0	728.0	834.0	715.0	143.	265.	AG	895.	8.1	.0	44.0		
27. WB	US40 D	834.0	715.0	701.0	738.0	135.	280.	AG	895.	8.1	.0	44.0		
28. WB	US40 D	701.0	738.0	195.0	1007.0	573.	298.	AG	895.	8.1	.0	44.0		
29. EB	EDMON	299.0	998.0	612.0	1078.0	323.	76.	AG	625.	8.2	.0	32.0		
30. EB	EDM LT	612.0	1078.0	812.0	1142.0	210.	72.	AG	310.	8.2	.0	32.0		
31. EB	EDMO LT	754.0	1124.0	618.4	1080.6	142.	252.	AG	65.	100.0	.0	12.0	.39	7.2
32. EB	EDM R	612.0	1078.0	823.0	1124.0	216.	78.	AG	315.	8.2	.0	32.0		
33. EB	EDMO RT	767.0	1112.0	718.2	1101.4	50.	258.	AG	23.	100.0	.0	12.0	.25	2.5
34. EB	EDM D	806.0	1142.0	1967.0	1470.0	1206.	74.	AG	365.	8.2	.0	44.0		
35. WB	EDM A	1903.0	1471.0	836.0	1193.0	1103.	255.	AG	260.	8.2	.0	44.0		
36. WB	EDMO LTR	868.0	1201.0	954.0	1223.4	89.	75.	AG	195.	100.0	.0	24.0	.50	4.5
37. WB	EDM D	836.0	1193.0	180.0	1020.0	678.	255.	AG	190.	8.2	.0	44.0		

1

JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2021AM
DATE: 09/10/2012 TIME: 11:31:17.04

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. NB	FRANK LTR	150	138	.3	190	1666	43.60	1	3
5. NB	EDM LTR	150	91	.3	170	1817	43.60	1	3
9. SB	FRANK LTR	150	116	.3	195	1820	43.60	1	3
15. EB	US40 TR	150	64	.3	2150	1707	43.60	1	3
17. EB	US40 L	150	142	.3	15	1770	43.60	1	3
21. WB	US40 TR	150	54	.3	925	1727	43.60	1	3
24. WB	US40 L	150	134	.3	65	1770	43.60	1	3
31. EB	EDMO LT	150	84	.3	310	1860	43.60	1	3
33. EB	EDMO RT	150	29	.3	315	1583	43.60	1	3
36. WB	EDMO LTR	150	125	.3	260	1725	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID	1444.0	490.0	.0
2. SE 164	1376.0	559.0	.0
3. SE 82	1330.0	627.0	.0
4. SE COR	1263.0	718.0	.0
5. ES 82	1378.0	756.0	.0
6. ES 164	1457.0	777.0	.0
7. ES MID	1612.0	821.0	.0
8. EN MID	1592.0	926.0	.0
9. EN 164	1425.0	873.0	.0
10. EN 82	1344.0	848.0	.0
11. NE COR1	1195.0	835.0	.0
12. LAUR COR	1077.0	942.0	.0
13. NE LAU COR	1016.0	1002.0	.0

14. NE EDM	*	917.0	1136.0	.0	*
15. NW EDM	*	838.0	1079.0	.0	*
16. NW LAUR	*	972.0	930.0	.0	*
17. NW 82	*	1029.0	871.0	.0	*
18. NW COR	*	1087.0	785.0	.0	*
19. WN 82	*	1014.0	763.0	.0	*
20. WN 164	*	913.0	744.0	.0	*
21. WN MID	*	671.0	787.0	.0	*
22. WS MID	*	608.0	701.0	.0	*
23. WS 164	*	978.0	653.0	.0	*
24. WS 82	*	1066.0	674.0	.0	*
25. SW COR	*	1163.0	688.0	.0	*
26. SW 82	*	1265.0	589.0	.0	*
27. SW 164	*	1311.0	534.0	.0	*
28. SW MID	*	1371.0	453.0	.0	*

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JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2021AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.2	.4	.6	.8	.7	.7	.0	.0	.0	.0	.0	.0	.3	.1	.1	.3	.3	.0	.0
5.	.1	.2	.3	.7	.8	.7	.7	.0	.0	.0	.0	.0	.0	.3	.2	.1	.3	.2	.1	.0
10.	.1	.2	.3	.7	.8	.7	.7	.0	.0	.0	.0	.0	.0	.3	.2	.1	.3	.2	.1	.0
15.	.1	.2	.3	.9	.8	.7	.7	.0	.0	.0	.0	.0	.0	.3	.2	.1	.3	.1	.1	.0
20.	.1	.3	.3	.9	.8	.7	.8	.0	.0	.0	.0	.0	.0	.3	.2	.1	.3	.1	.1	.0
25.	.1	.3	.3	.9	.8	.8	.8	.0	.0	.0	.0	.0	.0	.2	.2	.1	.3	.1	.1	.0
30.	.1	.2	.3	.9	.8	.8	.9	.0	.0	.1	.0	.0	.0	.2	.2	.1	.3	.1	.1	.0
35.	.1	.2	.3	.9	.8	.8	1.0	.0	.0	.1	.0	.0	.0	.2	.2	.1	.3	.0	.1	.0
40.	.1	.2	.3	.9	.9	.9	1.0	.0	.0	.1	.0	.0	.0	.1	.2	.1	.3	.0	.1	.1
45.	.1	.2	.3	.9	.9	.9	1.0	.0	.1	.1	.0	.0	.0	.1	.2	.1	.3	.0	.1	.0
50.	.1	.2	.2	.9	1.0	1.0	1.0	.0	.1	.1	.0	.0	.0	.1	.2	.1	.3	.0	.2	.0
55.	.1	.1	.2	.9	1.0	1.1	1.1	.0	.1	.1	.0	.0	.0	.1	.1	.1	.3	.0	.1	.0
60.	.1	.1	.2	.9	1.1	1.1	1.1	.1	.2	.2	.0	.0	.0	.1	.1	.1	.3	.1	.1	.1
65.	.0	.1	.2	.9	1.1	1.1	1.1	.2	.3	.4	.2	.0	.0	.1	.1	.1	.3	.3	.3	.3
70.	.0	.1	.1	.8	1.1	1.0	1.0	.3	.5	.5	.2	.0	.0	.1	.2	.1	.3	.3	.4	.3
75.	.0	.0	.1	.6	.8	.8	.9	.4	.7	.9	.4	.0	.0	.1	.1	.1	.4	.5	.6	.6
80.	.0	.0	.0	.4	.6	.6	.6	.6	.8	1.0	.5	.1	.0	.1	.1	.2	.4	.6	.8	.9
85.	.0	.0	.0	.3	.4	.4	.5	.7	.8	1.0	.6	.1	.1	.0	.1	.2	.5	.7	.8	.9
90.	.0	.0	.0	.2	.3	.3	.3	.7	.8	1.1	.6	.1	.1	.0	.1	.2	.7	.8	.9	.9
95.	.0	.0	.0	.1	.2	.2	.2	.6	.8	1.1	.6	.2	.1	.1	.2	.3	.7	.7	.9	1.0
100.	.0	.0	.0	.1	.1	.1	.1	.7	.8	1.1	.6	.3	.1	.1	.2	.4	.7	.8	1.0	1.0
105.	.0	.0	.0	.0	.1	.1	.1	.7	.8	1.1	.6	.3	.1	.1	.1	.5	.7	.8	.9	1.2
110.	.0	.0	.0	.0	.1	.1	.1	.6	.8	1.1	.7	.3	.2	.1	.1	.3	.7	.8	1.0	1.1
115.	.0	.0	.0	.0	.1	.0	.1	.6	.6	1.1	.6	.3	.2	.1	.1	.3	.6	.9	1.1	1.1
120.	.0	.0	.0	.0	.1	.0	.1	.6	.6	.9	.5	.3	.1	.1	.1	.3	.5	.9	1.0	1.0
125.	.0	.1	.0	.0	.0	.0	.1	.6	.6	.9	.5	.1	.1	.1	.1	.4	.6	.8	.9	1.0
130.	.1	.1	.0	.0	.0	.0	.1	.6	.6	.9	.5	.1	.1	.1	.1	.5	.7	1.0	1.0	.9
135.	.1	.1	.1	.0	.0	.0	.1	.6	.6	.9	.5	.1	.2	.1	.0	.5	.6	1.0	1.0	1.0
140.	.1	.1	.1	.2	.0	.0	.0	.5	.6	.9	.6	.1	.2	.1	.1	.3	.6	.8	1.0	1.0
145.	.1	.1	.1	.2	.0	.0	.0	.5	.6	.9	.4	.2	.2	.1	.1	.4	.5	.6	1.0	1.0
150.	.1	.1	.1	.3	.0	.0	.0	.5	.6	.9	.6	.4	.4	.2	.2	.3	.4	.7	1.0	.9
155.	.1	.2	.1	.4	.0	.0	.0	.6	.6	.9	.6	.4	.4	.3	.2	.3	.4	.8	1.0	1.0
160.	.1	.2	.1	.4	.0	.0	.0	.6	.6	.9	.5	.3	.5	.3	.2	.3	.4	.8	1.0	1.0
165.	.1	.2	.1	.5	.0	.0	.0	.6	.6	.9	.5	.4	.5	.4	.1	.3	.4	.8	1.0	1.0
170.	.1	.2	.1	.6	.0	.0	.0	.6	.6	.9	.5	.4	.4	.4	.1	.2	.4	.8	1.0	1.0
175.	.1	.2	.1	.7	.0	.0	.0	.6	.6	.9	.6	.4	.4	.3	.1	.2	.4	.8	1.0	1.0
180.	.1	.1	.1	.8	.0	.0	.0	.5	.6	.9	.6	.4	.4	.1	.1	.2	.4	.7	1.0	.9
185.	.1	.1	.1	.8	.0	.0	.0	.5	.6	.9	.4	.4	.3	.2	.1	.3	.4	.7	.9	.9
190.	.1	.1	.1	.8	.0	.0	.0	.5	.6	1.0	.4	.4	.3	.2	.1	.3	.4	.7	.9	.9
195.	.1	.1	.1	.9	.0	.0	.1	.6	.6	1.1	.5	.4	.4	.2	.0	.2	.3	.8	.9	.9
200.	.1	.1	.1	.7	.0	.0	.1	.6	.7	1.1	.6	.3	.3	.1	.1	.2	.3	.9	.9	.8
205.	.1	.1	.1	.7	.0	.0	.1	.6	.7	1.1	.5	.4	.2	.1	.0	.1	.3	.9	.8	.8

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JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2021AM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.1	.1	.1	.6	.1	.0	.1	.6	.7	1.1	.5	.4	.2	.1	.0	.1	.4	.9	.9	.8
215.	.1	.1	.1	.6	.2	.0	.1	.6	.8	1.2	.6	.4	.2	.1	.1	.1	.4	.9	1.0	.8
220.	.1	.1	.1	.5	.2	.1	.1	.6	1.0	1.3	.7	.3	.2	.2	.1	.1	.3	.9	1.0	.7
225.	.1	.1	.1	.5	.2	.1	.1	.6	1.0	1.3	.7	.3	.1	.2	.1	.2	.2	1.0	.9	.7
230.	.1	.1	.1	.5	.2	.2	.1	.6	1.1	1.3	.6	.3	.1	.1	.1	.1	.1	.9	.9	.7
235.	.1	.1	.1	.4	.2	.2	.2	.7	1.0	1.3	.7	.3	.2	.1	.1	.1	.2	.8	.8	.7
240.	.1	.1	.1	.3	.4	.3	.3	.8	1.1	1.3	.6	.2	.2	.1	.1	.2	.2	.9	.8	.8
245.	.1	.1	.1	.4	.6	.5	.4	.6	1.1	1.1	.4	.1	.2	.1	.1	.1	.2	.6	.8	.8
250.	.1	.1	.1	.5	.7	.8	.7	.6	1.0	1.1	.4	.1	.2	.1	.1	.1	.2	.6	.7	.8
255.	.1	.1	.1	.7	.8	.9	.9	.4	.8	.7	.4	.1	.2	.1	.1	.1	.1	.7	.6	.7
260.	.1	.1	.1	.8	1.2	.9	1.1	.3	.5	.6	.2	.2	.2	.0	.1	.1	.1	.5	.5	.7
265.	.1	.1	.2	1.0	1.1	1.1	1.1	.1	.3	.5	.2	.2	.2	.1	.0	.1	.1	.3	.5	.6

270.	*	.1	.1	.5	1.2	1.1	1.2	1.1	.1	.1	.2	.2	.2	.1	.1	.0	.1	.1	.2	.5	.7
275.	*	.1	.1	.5	1.2	1.2	1.2	1.0	.1	.1	.1	.2	.1	.1	.1	.2	.1	.1	.1	.3	.5
280.	*	.1	.3	.7	1.1	1.1	1.0	1.0	.0	.1	.1	.2	.1	.1	.1	.2	.0	.1	.1	.2	.6
285.	*	.1	.4	.7	1.0	1.0	1.0	1.0	.0	.1	.1	.1	.1	.1	.1	.2	.0	.0	.1	.2	.3
290.	*	.3	.4	.7	.9	1.1	1.0	.9	.0	.0	.1	.1	.1	.1	.1	.2	.0	.0	.0	.1	.3
295.	*	.3	.4	.9	.8	1.0	.9	.9	.0	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.2
300.	*	.3	.4	.8	.8	1.0	.9	.8	.0	.0	.1	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0
305.	*	.3	.5	.7	.8	1.0	.9	.8	.0	.0	.0	.0	.1	.2	.1	.1	.0	.0	.0	.0	.0
310.	*	.4	.4	.7	.7	.9	.8	.8	.0	.0	.0	.0	.1	.2	.2	.1	.0	.0	.0	.0	.1
315.	*	.4	.4	.8	.6	.9	.8	.7	.0	.0	.0	.0	.1	.2	.2	.1	.0	.1	.0	.0	.0
320.	*	.3	.3	.6	.6	.8	.8	.7	.0	.0	.0	.0	.0	.2	.2	.0	.0	.1	.1	.0	.0
325.	*	.2	.3	.4	.6	.8	.7	.7	.0	.0	.0	.0	.0	.2	.3	.0	.1	.2	.1	.0	.0
330.	*	.1	.3	.3	.6	.8	.7	.7	.0	.0	.0	.0	.0	.1	.3	.0	.1	.2	.2	.0	.0
335.	*	.1	.3	.3	.6	.8	.7	.7	.0	.0	.0	.0	.0	.1	.3	.0	.1	.2	.2	.0	.0
340.	*	.1	.1	.2	.7	.8	.7	.8	.0	.0	.1	.0	.0	.1	.3	.0	.1	.2	.3	.0	.0
345.	*	.1	.1	.3	.8	.9	.7	.8	.0	.0	.1	.0	.0	.1	.3	.0	.2	.3	.3	.0	.0
350.	*	.1	.1	.3	.7	.8	.7	.8	.0	.0	.1	.0	.0	.0	.4	.0	.2	.3	.3	.0	.0
355.	*	.1	.2	.3	.6	.8	.7	.7	.0	.0	.0	.0	.0	.0	.4	.1	.1	.3	.3	.0	.1
360.	*	.1	.2	.4	.6	.8	.7	.7	.0	.0	.0	.0	.0	.0	.3	.1	.1	.3	.3	.0	.0
MAX	*	.4	.5	.9	1.2	1.2	1.2	1.1	.8	1.1	1.3	.7	.4	.5	.4	.2	.5	.7	1.0	1.1	1.2
DEGR.	*	310	305	295	270	260	270	55	240	230	220	110	150	160	165	5	105	90	130	115	105

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JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2021AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.7	1.1	1.2	.8	.6	.3	.2
5.	*	.0	.6	1.0	1.0	.8	.7	.2	.2
10.	*	.0	.6	1.0	1.0	.7	.6	.3	.2
15.	*	.0	.6	1.0	1.0	.8	.6	.3	.2
20.	*	.0	.7	1.0	1.1	.7	.5	.3	.2
25.	*	.0	.7	1.1	1.1	.8	.5	.4	.2
30.	*	.0	.7	1.1	1.1	.8	.5	.4	.2
35.	*	.0	.7	1.1	1.1	.9	.4	.3	.2
40.	*	.0	.7	1.1	1.2	.9	.4	.3	.2
45.	*	.0	.7	1.1	1.2	1.0	.4	.3	.2
50.	*	.0	.7	1.2	1.3	1.0	.3	.3	.2
55.	*	.0	.7	1.2	1.3	1.0	.3	.2	.2
60.	*	.0	.8	1.4	1.4	.9	.3	.2	.2
65.	*	.0	.9	1.3	1.1	1.0	.2	.2	.1
70.	*	.0	.9	1.3	1.2	1.0	.2	.2	.1
75.	*	.1	1.0	.8	1.1	.7	.2	.1	.1
80.	*	.1	1.1	.7	.8	.7	.1	.1	.1
85.	*	.1	1.1	.6	.5	.5	.1	.1	.1
90.	*	.3	1.3	.4	.4	.5	.1	.1	.1
95.	*	.3	1.2	.2	.3	.5	.1	.1	.1
100.	*	.5	1.0	.1	.2	.4	.1	.1	.1
105.	*	.5	.7	.0	.2	.4	.1	.1	.1
110.	*	.5	.5	.0	.0	.4	.2	.2	.1
115.	*	.5	.4	.0	.0	.3	.2	.2	.1
120.	*	.7	.2	.0	.0	.3	.2	.2	.1
125.	*	.5	.1	.0	.0	.2	.2	.2	.1
130.	*	.5	.1	.0	.0	.2	.1	.1	.1
135.	*	.6	.0	.0	.0	.1	.1	.1	.1
140.	*	.6	.0	.0	.0	.0	.1	.1	.1
145.	*	.7	.0	.0	.0	.0	.1	.1	.0
150.	*	.7	.0	.0	.0	.0	.0	.0	.0
155.	*	.6	.0	.0	.0	.0	.0	.0	.0
160.	*	.5	.0	.0	.0	.0	.0	.0	.0
165.	*	.5	.0	.0	.0	.0	.0	.0	.0
170.	*	.5	.0	.0	.0	.0	.0	.0	.0
175.	*	.5	.0	.0	.0	.0	.0	.0	.0
180.	*	.5	.0	.0	.0	.0	.0	.0	.0
185.	*	.5	.0	.0	.0	.0	.0	.0	.0
190.	*	.5	.0	.0	.0	.0	.0	.0	.0
195.	*	.6	.0	.0	.0	.0	.0	.0	.0
200.	*	.6	.0	.0	.0	.0	.0	.0	.0
205.	*	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2021AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.6	.0	.0	.0	.0	.0	.0	.0
215.	*	.6	.0	.0	.0	.0	.0	.0	.0

220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.6	.0	.0	.0	.0	.0	.0	.0
230.	*	.6	.0	.0	.1	.0	.0	.0	.0
235.	*	.5	.0	.0	.1	.0	.0	.0	.0
240.	*	.5	.0	.0	.1	.1	.0	.0	.0
245.	*	.6	.0	.0	.2	.2	.0	.0	.0
250.	*	.7	.0	.1	.4	.3	.0	.0	.0
255.	*	.7	.0	.1	.5	.6	.0	.0	.0
260.	*	.7	.1	.3	.7	.7	.0	.0	.0
265.	*	.7	.1	.6	.9	.9	.0	.0	.0
270.	*	.7	.1	.7	1.4	1.1	.0	.0	.0
275.	*	.7	.1	.9	1.5	1.2	.3	.0	.0
280.	*	.7	.2	1.1	1.6	1.3	.4	.0	.0
285.	*	.6	.2	1.5	1.5	1.3	.4	.4	.0
290.	*	.6	.4	1.4	1.4	1.2	.4	.4	.0
295.	*	.5	.5	1.5	1.5	1.1	.3	.3	.2
300.	*	.3	.7	1.4	1.3	1.0	.3	.2	.2
305.	*	.3	.8	1.2	1.3	1.0	.3	.2	.2
310.	*	.1	.9	1.1	1.2	.9	.4	.2	.2
315.	*	.1	.9	1.1	1.1	.8	.5	.4	.2
320.	*	.0	.9	1.1	1.1	.8	.5	.3	.2
325.	*	.0	.9	1.0	1.0	.7	.5	.4	.4
330.	*	.0	.8	1.1	1.0	.8	.6	.4	.3
335.	*	.0	.8	1.1	1.0	.7	.6	.3	.3
340.	*	.0	.8	1.0	1.1	.6	.5	.3	.3
345.	*	.0	.7	1.0	1.1	.6	.6	.3	.2
350.	*	.0	.7	1.0	1.1	.7	.6	.3	.2
355.	*	.0	.7	1.1	1.1	.7	.6	.3	.2
360.	*	.0	.7	1.1	1.2	.8	.6	.3	.2
MAX	*	.7	1.3	1.5	1.6	1.3	.7	.4	.4
DEGR.	*	120	90	285	280	280	5	25	325

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 280 DEGREES FROM REC24.
THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 285 DEGREES FROM REC23.
THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 220 DEGREES FROM REC10.

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S4 US40 & FRANKLIN BD                    60.0321.0.0000.000280.30480000    1    1
SE MID                    1444.      490.         .
SE 164                    1376.      559.         .
SE 82                     1330.      627.         .
SE COR                    1263.      718.         .
ES 82                     1378.      756.         .
ES 164                    1457.      777.         .
ES MID                    1612.      821.         .
EN MID                    1592.      926.         .
EN 164                    1425.      873.         .
EN 82                     1344.      848.         .
NE COR1                   1195.      835.         .
LAUR COR                  1077.      942.         .
NE LAU COR                1016.     1002.         .
NE EDM                     917.     1136.         .
NW EDM                     838.     1079.         .
NW LAUR                    972.      930.         .
NW 82                     1029.      871.         .
NW COR                    1087.      785.         .
WN 82                     1014.      763.         .
WN 164                     913.      744.         .
WN MID                     671.      787.         .
WS MID                     608.      701.         .
WS 164                     978.      653.         .
WS 82                     1066.      674.         .
SW COR                    1163.      688.         .
SW 82                     1265.      589.         .
SW 164                    1311.      534.         .
SW MID                    1371.      453.         .
S4 US40 & FRANK BD2021PM                 37  1   0
  1
NB        FRANK     AG  1846.   -20.  1204.   733.    235. 8.2  0. 56.   25.
  2
NB        FRANK LTR AG  1238.   693.  1372.   536.      0. 36.   3
       150       130         3  235   43.6 1676 1 3
  1
NB        FRANK D   AG  1204.   733.  1085.   901.    270. 8.2  0. 32.   25.
  1
NB        EDMO A    AG  1085.   901.   856.  1162.    220. 8.2  0. 32.   25.
  2
NB        EDM LTR   AG   899.  1113.   969.  1034.      0. 12.   1
       150       112         3  220   43.6 1828 1 3
  1
NB        EDMO D    AG   856.  1162.   681.  1243.    390. 8.2  0. 32.   25.
  1
NB        EDMO D    AG   681.  1243.   420.  1400.    390. 8.2  0. 32.   25.
  1
SB        FRANK     AG   884.  1068.  1119.   793.    130. 8.2  0. 32.   25.
  2
SB        FRANK LTR AG  1099.   817.  1018.   912.      0. 12.   1
       150       119         3  130   43.6 1813 1 3
  1
SB        FRANK     AG  1119.   793.  1826.   -41.    140. 8.2  0. 32.   25.
  1
EB        US40      AG   207.   962.   632.   725.   1075. 8.1  0. 56.   35.
  1
EB        US40      AG   632.   725.   757.   682.   1075. 8.1  0. 56.   35.
  1
EB        US40      AG   757.   682.   939.   684.   1075. 8.1  0. 56.   35.
  1
EB        US40 TR   AG   939.   684.  1182.   730.   1070. 8.1  0. 56.   35.
  2
EB        US40 TR   AG  1133.   720.   973.   690.      0. 36.   3
       150        75         3 1070   43.6 1707 1 3
  1
EB        US40 L    AG   939.   684.  1143.   747.      5. 8.1  0. 32.   35.
  2
EB        US40 L    AG  1120.   740.  1039.   714.      0. 12.   1
       150       143         3    5   43.6 1770 1 3
  1
EB        US40 D    AG  1182.   730.  2197.  1004.   1155. 8.1  0. 44.   35.
  1
WB        US40 A    AG  2151.  1046.  1685.   923.   1550. 8.1  0. 44.   35.
  1
WB        US40 TR   AG  1685.   923.  1238.   798.   1485. 8.1  0. 44.   35.
  2
WB        US40 TR   AG  1273.   808.  1440.   854.      0. 24.   2
       150        57         3 1485   43.6 1744 1 3
  1
WB        US40 L    AG  1685.   923.  1588.   880.     65. 8.1  0. 32.   35.
  1
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WB        US40 L    AG  1588.   880.  1245.   783.     65. 8.1  0. 32.   35.
  2
WB        US40 L    AG  1279.   793.  1455.   843.      0. 12.   1
       150       125         3   65   43.6 1770 1 3
  1
WB        US40 D    AG  1238.   798.   976.   728.   1685. 8.1  0. 44.   35.
  1
WB        US40 D    AG   976.   728.   834.   715.   1685. 8.1  0. 44.   35.
  1
WB        US40 D    AG   834.   715.   701.   738.   1685. 8.1  0. 44.   35.
  1
WB        US40 D    AG   701.   738.   195.  1007.   1685. 8.1  0. 44.   35.
  1
EB        EDMON     AG   299.   998.   612.  1078.    760. 8.2  0. 32.   25.
  1
EB        EDM LT    AG   612.  1078.   812.  1142.    560. 8.2  0. 32.   25.
  2
EB        EDMO LT   AG   754.  1124.   679.  1100.      0. 12.   1
       150        80         3  560   43.6 1861 1 3
  1
EB        EDM R     AG   612.  1078.   823.  1124.    200. 8.2  0. 32.   25.
  2
EB        EDMO RT   AG   767.  1112.   698.  1097.      0. 12.   1
       150        46         3  200   43.6 1583 1 3
  1
EB        EDM D     AG   806.  1142.  1967.  1470.    580. 8.2  0. 44.   25.
  1
WB        EDM A     AG  1903.  1471.   836.  1193.    440. 8.2  0. 44.   25.
  2
WB        EDMO LTR  AG   868.  1201.  1071.  1254.      0. 24.   2
       150       109         3  440   43.6 1684 1 3
  1
WB        EDM D     AG   836.  1193.   180.  1020.    740. 8.2  0. 44.   25.
1.0   04  1000   0Y  5  0 72
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JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2021PM
DATE: 09/10/2012 TIME: 11:38:47.54

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	FRANK	1846.0	-20.0	1204.0	733.0	990.	320.	AG	235.	8.2	.0	56.0		
2. NB	FRANK LTR	1238.0	693.0	1274.0	650.8	55.	140.	AG	304.	100.0	.0	36.0	.40	2.8
3. NB	FRANK D	1204.0	733.0	1085.0	901.0	206.	325.	AG	270.	8.2	.0	32.0		
4. NB	EDMO A	1085.0	901.0	856.0	1162.0	347.	319.	AG	220.	8.2	.0	32.0		
5. NB	EDM LTR	899.0	1113.0	988.4	1012.2	135.	138.	AG	87.	100.0	.0	12.0	.51	6.8
6. NB	EDMO D	856.0	1162.0	681.0	1243.0	193.	295.	AG	390.	8.2	.0	32.0		
7. NB	EDMO D	681.0	1243.0	420.0	1400.0	305.	301.	AG	390.	8.2	.0	32.0		
8. SB	FRANK	884.0	1068.0	1119.0	793.0	362.	139.	AG	130.	8.2	.0	32.0		
9. SB	FRANK LTR	1099.0	817.0	1044.1	881.4	85.	320.	AG	93.	100.0	.0	12.0	.38	4.3
10. SB	FRANK	1119.0	793.0	1826.0	-41.0	1093.	140.	AG	140.	8.2	.0	32.0		
11. EB	US40	207.0	962.0	632.0	725.0	487.	119.	AG	1075.	8.1	.0	56.0		
12. EB	US40	632.0	725.0	757.0	682.0	132.	109.	AG	1075.	8.1	.0	56.0		
13. EB	US40	757.0	682.0	939.0	684.0	182.	89.	AG	1075.	8.1	.0	56.0		
14. EB	US40 TR	939.0	684.0	1182.0	730.0	247.	79.	AG	1070.	8.1	.0	56.0		
15. EB	US40 TR	1133.0	720.0	989.5	693.1	146.	259.	AG	175.	100.0	.0	36.0	.43	7.4
16. EB	US40 L	939.0	684.0	1143.0	747.0	214.	73.	AG	5.	8.1	.0	32.0		
17. EB	US40 L	1120.0	740.0	1116.3	738.8	4.	252.	AG	111.	100.0	.0	12.0	.09	.2
18. EB	US40 D	1182.0	730.0	2197.0	1004.0	1051.	75.	AG	1155.	8.1	.0	44.0		
19. WB	US40 A	2151.0	1046.0	1685.0	923.0	482.	255.	AG	1550.	8.1	.0	44.0		
20. WB	US40 TR	1685.0	923.0	1238.0	798.0	464.	254.	AG	1485.	8.1	.0	44.0		
21. WB	US40 TR	1273.0	808.0	1496.0	869.4	231.	75.	AG	89.	100.0	.0	24.0	.70	11.7
22. WB	US40 L	1685.0	923.0	1588.0	880.0	106.	246.	AG	65.	8.1	.0	32.0		
23. WB	US40 L	1588.0	880.0	1245.0	783.0	356.	254.	AG	65.	8.1	.0	32.0		
24. WB	US40 L	1279.0	793.0	1321.7	805.1	44.	74.	AG	97.	100.0	.0	12.0	.24	2.3
25. WB	US40 D	1238.0	798.0	976.0	728.0	271.	255.	AG	1685.	8.1	.0	44.0		
26. WB	US40 D	976.0	728.0	834.0	715.0	143.	265.	AG	1685.	8.1	.0	44.0		
27. WB	US40 D	834.0	715.0	701.0	738.0	135.	280.	AG	1685.	8.1	.0	44.0		
28. WB	US40 D	701.0	738.0	195.0	1007.0	573.	298.	AG	1685.	8.1	.0	44.0		
29. EB	EDMON	299.0	998.0	612.0	1078.0	323.	76.	AG	760.	8.2	.0	32.0		
30. EB	EDM LT	612.0	1078.0	812.0	1142.0	210.	72.	AG	560.	8.2	.0	32.0		
31. EB	EDMO LT	754.0	1124.0	520.7	1049.3	245.	252.	AG	62.	100.0	.0	12.0	.67	12.4
32. EB	EDM R	612.0	1078.0	823.0	1124.0	216.	78.	AG	200.	8.2	.0	32.0		
33. EB	EDMO RT	767.0	1112.0	717.8	1101.3	50.	258.	AG	36.	100.0	.0	12.0	.19	2.6
34. EB	EDM D	806.0	1142.0	1967.0	1470.0	1206.	74.	AG	580.	8.2	.0	44.0		
35. WB	EDM A	1903.0	1471.0	836.0	1193.0	1103.	255.	AG	440.	8.2	.0	44.0		
36. WB	EDMO LTR	868.0	1201.0	994.9	1234.1	131.	75.	AG	170.	100.0	.0	24.0	.51	6.7
37. WB	EDM D	836.0	1193.0	180.0	1020.0	678.	255.	AG	740.	8.2	.0	44.0		

JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2021PM
DATE: 09/10/2012 TIME: 11:38:47.54

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. NB	FRANK LTR	150	130	.3	235	1676	43.60	1	3
5. NB	EDM LTR	150	112	.3	220	1828	43.60	1	3
9. SB	FRANK LTR	150	119	.3	130	1813	43.60	1	3
15. EB	US40 TR	150	75	.3	1070	1707	43.60	1	3
17. EB	US40 L	150	143	.3	5	1770	43.60	1	3
21. WB	US40 TR	150	57	.3	1485	1744	43.60	1	3
24. WB	US40 L	150	125	.3	65	1770	43.60	1	3
31. EB	EDMO LT	150	80	.3	560	1861	43.60	1	3
33. EB	EDMO RT	150	46	.3	200	1583	43.60	1	3
36. WB	EDMO LTR	150	109	.3	440	1684	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID	1444.0	490.0	.0
2. SE 164	1376.0	559.0	.0
3. SE 82	1330.0	627.0	.0
4. SE COR	1263.0	718.0	.0
5. ES 82	1378.0	756.0	.0
6. ES 164	1457.0	777.0	.0
7. ES MID	1612.0	821.0	.0
8. EN MID	1592.0	926.0	.0
9. EN 164	1425.0	873.0	.0
10. EN 82	1344.0	848.0	.0
11. NE COR1	1195.0	835.0	.0
12. LAUR COR	1077.0	942.0	.0
13. NE LAU COR	1016.0	1002.0	.0

14. NE EDM	*	917.0	1136.0	.0	*
15. NW EDM	*	838.0	1079.0	.0	*
16. NW LAUR	*	972.0	930.0	.0	*
17. NW 82	*	1029.0	871.0	.0	*
18. NW COR	*	1087.0	785.0	.0	*
19. WN 82	*	1014.0	763.0	.0	*
20. WN 164	*	913.0	744.0	.0	*
21. WN MID	*	671.0	787.0	.0	*
22. WS MID	*	608.0	701.0	.0	*
23. WS 164	*	978.0	653.0	.0	*
24. WS 82	*	1066.0	674.0	.0	*
25. SW COR	*	1163.0	688.0	.0	*
26. SW 82	*	1265.0	589.0	.0	*
27. SW 164	*	1311.0	534.0	.0	*
28. SW MID	*	1371.0	453.0	.0	*

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JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2021PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.2	.2	.3	.5	.6	.6	.5	.0	.0	.1	.0	.0	.0	.4	.1	.2	.1	.2	.0	.0
5.	.2	.2	.3	.6	.6	.6	.5	.0	.0	.1	.0	.0	.0	.4	.2	.1	.0	.1	.0	.0
10.	.2	.2	.3	.6	.6	.6	.5	.0	.0	.1	.0	.0	.0	.4	.2	.1	.0	.1	.0	.0
15.	.2	.2	.3	.7	.6	.6	.5	.0	.0	.1	.0	.0	.0	.4	.2	.0	.0	.1	.0	.0
20.	.2	.2	.3	.7	.6	.6	.6	.0	.1	.1	.0	.0	.0	.4	.2	.0	.0	.1	.1	.1
25.	.1	.2	.3	.7	.7	.7	.7	.0	.1	.1	.0	.0	.0	.5	.2	.0	.0	.1	.1	.1
30.	.1	.2	.2	.7	.7	.6	.6	.0	.1	.2	.0	.0	.0	.5	.3	.0	.0	.1	.2	.1
35.	.1	.2	.2	.7	.7	.6	.6	.0	.1	.1	.0	.0	.0	.5	.3	.0	.0	.0	.2	.1
40.	.2	.2	.2	.7	.7	.6	.6	.0	.1	.1	.0	.0	.0	.4	.3	.0	.1	.0	.2	.2
45.	.2	.2	.2	.7	.7	.6	.8	.0	.1	.1	.0	.0	.0	.4	.3	.0	.1	.0	.2	.1
50.	.1	.2	.3	.7	.8	.8	.8	.0	.1	.2	.0	.0	.0	.4	.3	.0	.1	.1	.2	.1
55.	.0	.2	.2	.7	.8	.8	.7	.1	.2	.2	.0	.0	.0	.3	.3	.0	.1	.1	.1	.1
60.	.0	.1	.2	.8	.8	.7	.7	.2	.2	.4	.0	.0	.0	.3	.2	.0	.1	.2	.2	.2
65.	.0	.0	.2	.6	.7	.7	.7	.2	.4	.6	.1	.0	.0	.3	.2	.0	.2	.3	.4	.3
70.	.0	.0	.1	.6	.7	.7	.6	.4	.7	.9	.3	.0	.0	.3	.2	.0	.2	.6	.6	.6
75.	.0	.0	.0	.5	.6	.5	.5	.5	.9	1.1	.5	.0	.0	.1	.2	.0	.2	.8	.7	.6
80.	.0	.0	.0	.2	.3	.4	.4	.7	.9	1.3	.6	.0	.0	.1	.1	.0	.4	.8	.8	1.0
85.	.0	.0	.0	.1	.2	.2	.2	.7	1.2	1.4	.6	.0	.0	.1	.1	.0	.4	1.0	.9	1.1
90.	.0	.0	.0	.1	.2	.1	.2	.8	1.2	1.4	.6	.2	.0	.0	.1	.2	.4	.9	1.0	1.1
95.	.0	.0	.0	.1	.1	.1	.1	.8	1.1	1.3	.6	.2	.2	.0	.1	.2	.5	.9	1.1	1.2
100.	.0	.0	.0	.0	.1	.1	.1	.8	1.1	1.3	.6	.2	.2	.0	.1	.2	.6	.9	1.1	1.3
105.	.0	.0	.0	.0	.0	.0	.1	.7	1.1	1.3	.7	.2	.2	.0	.1	.2	.7	.7	1.1	1.1
110.	.0	.0	.0	.0	.0	.0	.0	.7	1.1	1.2	.7	.3	.2	.0	.3	.2	.7	.9	1.2	1.1
115.	.0	.0	.0	.0	.0	.0	.0	.6	1.0	1.2	.6	.2	.2	.1	.2	.4	.7	.9	1.1	1.1
120.	.0	.1	.0	.0	.0	.0	.0	.6	1.0	1.0	.5	.2	.2	.1	.0	.3	.5	.8	1.2	1.1
125.	.0	.1	.0	.0	.0	.0	.0	.6	1.0	1.0	.5	.2	.2	.0	.0	.3	.7	.8	1.0	1.1
130.	.1	.1	.1	.0	.0	.0	.0	.6	1.0	1.0	.4	.3	.3	.0	.1	.2	.6	.8	1.0	.8
135.	.1	.1	.1	.1	.0	.0	.0	.6	1.0	1.0	.4	.2	.3	.1	.1	.2	.5	.8	1.0	.8
140.	.1	.1	.1	.2	.0	.0	.0	.6	.9	1.0	.5	.2	.2	.1	.1	.4	.5	.9	1.0	.7
145.	.1	.2	.1	.2	.0	.0	.0	.5	.9	1.0	.6	.4	.2	.3	.1	.3	.5	.9	1.0	.7
150.	.1	.2	.1	.3	.0	.0	.0	.6	.9	1.0	.5	.2	.2	.3	.1	.3	.4	.9	1.0	.7
155.	.1	.1	.1	.4	.0	.0	.0	.6	1.0	1.0	.5	.2	.2	.4	.0	.3	.4	.9	1.0	.7
160.	.1	.1	.1	.5	.0	.0	.0	.6	1.0	1.0	.5	.2	.3	.4	.0	.3	.4	.9	1.0	.7
165.	.1	.1	.1	.6	.0	.0	.0	.6	1.0	1.0	.5	.5	.4	.3	.0	.3	.4	1.0	1.0	.7
170.	.1	.1	.1	.7	.0	.0	.0	.6	1.0	1.0	.5	.5	.4	.3	.0	.3	.4	1.0	1.0	.7
175.	.1	.1	.1	.7	.0	.0	.0	.6	1.0	1.0	.5	.5	.4	.3	.0	.3	.4	1.0	1.0	.8
180.	.1	.1	.1	.8	.0	.0	.0	.6	.9	1.0	.5	.5	.4	.3	.0	.3	.4	1.0	1.0	.7
185.	.1	.1	.1	.8	.0	.0	.0	.6	.9	1.0	.5	.5	.3	.3	.0	.1	.3	1.0	1.0	.7
190.	.1	.1	.1	.8	.0	.0	.0	.6	.9	1.1	.5	.5	.1	.3	.0	.1	.3	1.0	.9	.7
195.	.1	.1	.1	.8	.0	.0	.0	.6	1.0	1.1	.4	.5	.2	.3	.0	.1	.4	1.0	.9	.7
200.	.1	.1	.1	.8	.0	.0	.0	.6	1.0	1.2	.5	.5	.2	.2	.0	.2	.4	1.0	.9	.7
205.	.1	.1	.1	.8	.0	.0	.0	.6	1.0	1.2	.5	.4	.2	.2	.0	.2	.3	1.0	.9	.7

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JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2021PM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.1	.1	.1	.7	.1	.0	.0	.7	1.1	1.2	.6	.4	.2	.2	.1	.2	.2	1.0	.9	.7
215.	.1	.1	.1	.7	.1	.0	.0	.7	1.2	1.3	.6	.2	.1	.2	.1	.2	.2	1.0	.9	.8
220.	.1	.1	.1	.6	.1	.0	.0	.7	1.2	1.3	.7	.2	.1	.3	.1	.1	.2	1.0	.7	.8
225.	.1	.1	.1	.5	.1	.0	.1	.7	1.2	1.3	.7	.2	.1	.3	.1	.1	.2	1.0	.8	.8
230.	.1	.1	.1	.4	.2	.2	.1	.8	1.2	1.4	.7	.2	.1	.2	.1	.1	.3	.9	.8	.9
235.	.1	.1	.1	.4	.3	.2	.1	.9	1.2	1.4	.5	.1	.1	.2	.1	.1	.2	.9	.9	.9
240.	.1	.1	.1	.3	.3	.2	.2	.8	1.3	1.5	.6	.1	.2	.2	.1	.1	.2	.9	.7	.9
245.	.1	.1	.1	.4	.3	.3	.2	.8	1.3	1.3	.5	.1	.2	.2	.1	.1	.1	.8	.8	.9
250.	.1	.1	.1	.4	.5	.3	.3	.8	1.1	1.2	.3	.2	.2	.2	.1	.1	.2	.6	.8	1.0
255.	.1	.1	.1	.5	.7	.7	.5	.7	.8	1.0	.2	.2	.2	.3	.1	.1	.1	.6	.7	.9
260.	.1	.1	.1	.7	.7	.7	.8	.4	.6	.7	.1	.2	.2	.4	.1	.1	.1	.4	.7	1.0
265.	.1	.1	.2	.7	.7	.8	.8	.3	.5	.5	.3	.2	.2	.4	.2	.1	.1	.5	.5	.8

270. *	.1	.1	.2	.9	.8	.6	.9	.1	.2	.3	.2	.2	.2	.4	.3	.1	.1	.3	.4	.8
275. *	.1	.1	.5	1.0	.9	.7	.8	.1	.2	.2	.2	.1	.2	.4	.3	.1	.1	.2	.5	.6
280. *	.1	.1	.6	.7	.6	.8	.8	.1	.1	.1	.2	.1	.2	.3	.3	.0	.1	.2	.4	.6
285. *	.1	.2	.8	.8	.6	.8	.8	.0	.1	.1	.1	.1	.3	.3	.3	.0	.0	.1	.2	.5
290. *	.1	.3	.7	.7	.7	.7	.7	.0	.1	.1	.0	.1	.4	.3	.3	.0	.0	.0	.2	.3
295. *	.1	.5	.7	.6	.9	.7	.7	.0	.1	.1	.0	.1	.3	.3	.2	.0	.0	.0	.1	.2
300. *	.2	.5	.8	.5	.9	.7	.6	.0	.1	.2	.0	.2	.3	.3	.2	.0	.0	.0	.1	.2
305. *	.3	.5	.8	.5	.8	.7	.6	.0	.1	.1	.0	.2	.3	.3	.2	.0	.0	.0	.0	.1
310. *	.3	.3	.6	.5	.7	.6	.6	.0	.1	.1	.0	.2	.3	.2	.2	.0	.0	.0	.0	.1
315. *	.3	.3	.6	.5	.6	.6	.5	.0	.0	.1	.0	.2	.3	.2	.2	.0	.0	.0	.0	.1
320. *	.3	.4	.5	.5	.6	.6	.5	.0	.0	.1	.0	.2	.3	.3	.2	.0	.0	.0	.0	.1
325. *	.3	.4	.5	.5	.6	.6	.5	.0	.0	.1	.0	.1	.3	.3	.2	.0	.1	.1	.0	.1
330. *	.2	.3	.3	.5	.6	.6	.5	.0	.0	.0	.0	.1	.3	.4	.2	.0	.1	.1	.0	.1
335. *	.2	.4	.3	.5	.6	.6	.5	.0	.0	.0	.0	.1	.2	.4	.1	.1	.2	.1	.0	.0
340. *	.2	.2	.2	.5	.6	.6	.6	.0	.0	.2	.0	.1	.1	.4	.2	.1	.1	.1	.0	.0
345. *	.2	.2	.2	.5	.6	.6	.6	.0	.0	.2	.0	.0	.1	.4	.2	.2	.1	.2	.0	.0
350. *	.2	.2	.2	.5	.6	.6	.6	.0	.0	.1	.0	.0	.1	.4	.2	.2	.1	.2	.0	.0
355. *	.2	.2	.3	.5	.6	.6	.5	.0	.0	.0	.0	.0	.1	.4	.1	.2	.1	.2	.0	.1
360. *	.2	.2	.3	.5	.6	.6	.5	.0	.0	.1	.0	.0	.0	.4	.1	.2	.1	.2	.0	.0
MAX *	.3	.5	.8	1.0	.9	.8	.9	.9	1.3	1.5	.7	.5	.4	.5	.3	.4	.7	1.0	1.2	1.3
DEGR. *	305	295	285	275	295	265	270	235	240	240	105	165	165	25	30	115	105	85	110	100

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JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2021PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.5	.6	1.0	.4	.6	.4	.3
5. *	.0	.5	.7	1.0	.4	.6	.3	.3
10. *	.0	.5	.8	1.0	.5	.6	.3	.2
15. *	.0	.5	.7	1.0	.5	.6	.3	.2
20. *	.0	.5	.8	1.0	.5	.6	.3	.2
25. *	.0	.4	.8	1.0	.6	.5	.2	.2
30. *	.0	.5	.8	1.0	.5	.4	.2	.1
35. *	.0	.5	1.0	1.0	.5	.2	.2	.1
40. *	.0	.5	1.0	1.0	.6	.2	.2	.1
45. *	.0	.5	1.0	1.1	.8	.3	.2	.1
50. *	.0	.5	.9	1.1	.7	.3	.3	.1
55. *	.0	.6	1.1	1.1	.7	.4	.2	.0
60. *	.0	.6	1.1	1.0	.7	.2	.1	.0
65. *	.0	.5	1.0	1.0	.6	.1	.0	.0
70. *	.0	.5	.9	.8	.5	.1	.0	.0
75. *	.0	.9	.7	.7	.5	.1	.1	.0
80. *	.0	1.1	.7	.7	.4	.1	.1	.0
85. *	.2	1.0	.4	.3	.3	.1	.1	.0
90. *	.3	.7	.4	.3	.4	.1	.1	.0
95. *	.4	.6	.1	.2	.3	.1	.1	.1
100. *	.5	.4	.0	.1	.3	.2	.1	.1
105. *	.7	.4	.0	.1	.4	.2	.2	.1
110. *	.5	.3	.0	.1	.4	.2	.2	.1
115. *	.5	.1	.0	.0	.3	.2	.2	.1
120. *	.6	.1	.0	.0	.3	.2	.2	.1
125. *	.6	.1	.0	.0	.2	.2	.2	.1
130. *	.7	.0	.0	.0	.1	.2	.2	.0
135. *	.7	.0	.0	.0	.0	.2	.2	.0
140. *	.7	.0	.0	.0	.0	.1	.0	.0
145. *	.7	.0	.0	.0	.0	.0	.0	.0
150. *	.6	.0	.0	.0	.0	.0	.0	.0
155. *	.7	.0	.0	.0	.0	.0	.0	.0
160. *	.7	.0	.0	.0	.0	.0	.0	.0
165. *	.7	.0	.0	.0	.0	.0	.0	.0
170. *	.6	.0	.0	.0	.0	.0	.0	.0
175. *	.6	.0	.0	.0	.0	.0	.0	.0
180. *	.6	.0	.0	.0	.0	.0	.0	.0
185. *	.6	.0	.0	.0	.0	.0	.0	.0
190. *	.6	.0	.0	.0	.0	.0	.0	.0
195. *	.5	.0	.0	.0	.0	.0	.0	.0
200. *	.6	.0	.0	.0	.0	.0	.0	.0
205. *	.7	.0	.0	.0	.0	.0	.0	.0

1

JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2021PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.7	.0	.0	.0	.0	.0	.0	.0
215. *	.7	.0	.0	.0	.0	.0	.0	.0

220.	*	.6	.0	.0	.0	.0	.0	.0	.0
225.	*	.5	.0	.0	.0	.0	.0	.0	.0
230.	*	.5	.0	.0	.0	.0	.0	.0	.0
235.	*	.6	.0	.0	.0	.0	.0	.0	.0
240.	*	.7	.0	.0	.0	.0	.0	.0	.0
245.	*	.7	.0	.0	.1	.1	.0	.0	.0
250.	*	.7	.0	.0	.1	.2	.0	.0	.0
255.	*	.7	.0	.1	.3	.2	.0	.0	.0
260.	*	.7	.0	.1	.4	.4	.0	.0	.0
265.	*	.8	.0	.1	.5	.7	.0	.0	.0
270.	*	.8	.0	.3	.7	.9	.0	.0	.0
275.	*	.8	.1	.5	1.0	1.1	.0	.0	.0
280.	*	.8	.1	.7	1.1	1.0	.0	.0	.0
285.	*	.8	.1	.7	1.3	1.1	.3	.0	.0
290.	*	.7	.2	.7	1.3	1.1	.3	.1	.0
295.	*	.6	.3	.8	1.2	.9	.4	.2	.0
300.	*	.5	.4	.7	1.1	.9	.3	.3	.0
305.	*	.3	.6	.8	1.1	.8	.3	.3	.1
310.	*	.2	.6	.5	1.1	.8	.3	.3	.2
315.	*	.1	.6	.5	1.1	.7	.3	.4	.1
320.	*	.1	.7	.5	1.0	.7	.4	.4	.2
325.	*	.0	.7	.5	1.0	.7	.3	.3	.2
330.	*	.0	.7	.5	1.0	.6	.4	.3	.2
335.	*	.0	.6	.4	1.0	.6	.5	.5	.1
340.	*	.0	.6	.5	1.0	.6	.6	.6	.3
345.	*	.0	.6	.6	1.0	.5	.6	.4	.3
350.	*	.0	.5	.6	1.0	.5	.8	.5	.3
355.	*	.0	.5	.6	1.0	.5	.8	.5	.3
360.	*	.0	.5	.6	1.0	.4	.6	.4	.3
MAX	*	.8	1.1	1.1	1.3	1.1	.8	.6	.3
DEGR.	*	265	80	55	285	275	350	340	0

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 240 DEGREES FROM REC10.
THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 240 DEGREES FROM REC9 .
THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 285 DEGREES FROM REC24.

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S4 US40 & FRANKLIN BD                    60.0321.0.0000.000280.30480000    1    1
SE MID                    1444.      490.         .
SE 164                    1376.      559.         .
SE 82                     1330.      627.         .
SE COR                    1263.      718.         .
ES 82                     1378.      756.         .
ES 164                    1457.      777.         .
ES MID                    1612.      821.         .
EN MID                    1592.      926.         .
EN 164                    1425.      873.         .
EN 82                     1344.      848.         .
NE COR1                   1195.      835.         .
LAUR COR                  1077.      942.         .
NE LAU COR                1016.     1002.         .
NE EDM                     917.     1136.         .
NW EDM                     838.     1079.         .
NW LAUR                    972.      930.         .
NW 82                     1029.      871.         .
NW COR                    1087.      785.         .
WN 82                     1014.      763.         .
WN 164                     913.      744.         .
WN MID                     671.      787.         .
WS MID                     608.      701.         .
WS 164                     978.      653.         .
WS 82                     1066.      674.         .
SW COR                    1163.      688.         .
SW 82                     1265.      589.         .
SW 164                    1311.      534.         .
SW MID                    1371.      453.         .
S4 US40 & FRANK BD2035AM                 37  1   0
  1
NB        FRANK     AG  1846.   -20.  1204.   733.    220. 7.9  0. 56.   25.
  2
NB        FRANK LTR AG  1238.   693.  1372.   536.      0. 36.   3
       150       140         3  220   17.9 1673 1 3
  1
NB        FRANK D   AG  1204.   733.  1085.   901.    225. 7.9  0. 32.   25.
  1
NB        EDMO A    AG  1085.   901.   856.  1162.    160. 7.9  0. 32.   25.
  2
NB        EDM LTR   AG   899.  1113.   969.  1034.      0. 12.   1
       150       106         3  160   17.9 1808 1 3
  1
NB        EDMO D    AG   856.  1162.   681.  1243.    265. 7.9  0. 32.   25.
  1
NB        EDMO D    AG   681.  1243.   420.  1400.    265. 7.9  0. 32.   25.
  1
SB        FRANK     AG   884.  1068.  1119.   793.    235. 7.9  0. 32.   25.
  2
SB        FRANK LTR AG  1099.   817.  1018.   912.      0. 12.   1
       150       116         3  235   17.9 1819 1 3
  1
SB        FRANK     AG  1119.   793.  1826.   -41.    250. 7.9  0. 32.   25.
  1
EB        US40      AG   207.   962.   632.   725.   2135. 7.9  0. 56.   35.
  1
EB        US40      AG   632.   725.   757.   682.   2135. 7.9  0. 56.   35.
  1
EB        US40      AG   757.   682.   939.   684.   2135. 7.9  0. 56.   35.
  1
EB        US40 TR   AG   939.   684.  1182.   730.   2125. 7.9  0. 56.   35.
  2
EB        US40 TR   AG  1133.   720.   973.   690.      0. 36.   3
       150        66         3 2125   17.9 1707 1 3
  1
EB        US40 L    AG   939.   684.  1143.   747.     10. 7.9  0. 32.   35.
  2
EB        US40 L    AG  1120.   740.  1039.   714.      0. 12.   1
       150       145         3   10   17.9 1770 1 3
  1
EB        US40 D    AG  1182.   730.  2197.  1004.   2240. 7.9  0. 44.   35.
  1
WB        US40 A    AG  2151.  1046.  1685.   923.   1050. 7.9  0. 44.   35.
  1
WB        US40 TR   AG  1685.   923.  1238.   798.    965. 7.9  0. 44.   35.
  2
WB        US40 TR   AG  1273.   808.  1440.   854.      0. 24.   2
       150        57         3  965   17.9 1731 1 3
  1
WB        US40 L    AG  1685.   923.  1588.   880.     85. 7.9  0. 32.   35.
  1
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WB        US40 L    AG  1588.   880.  1245.   783.     85. 7.9  0. 32.   35.
  2
WB        US40 L    AG  1279.   793.  1455.   843.      0. 12.   1
       150       132         3   85   17.9 1770 1 3
  1
WB        US40 D    AG  1238.   798.   976.   728.    925. 7.9  0. 44.   35.
  1
WB        US40 D    AG   976.   728.   834.   715.    925. 7.9  0. 44.   35.
  1
WB        US40 D    AG   834.   715.   701.   738.    925. 7.9  0. 44.   35.
  1
WB        US40 D    AG   701.   738.   195.  1007.    925. 7.9  0. 44.   35.
  1
EB        EDMON     AG   299.   998.   612.  1078.    665. 7.9  0. 32.   25.
  1
EB        EDM LT    AG   612.  1078.   812.  1142.    325. 7.9  0. 32.   25.
  2
EB        EDMO LT   AG   754.  1124.   679.  1100.      0. 12.   1
       150        76         3  325   17.9 1839 1 3
  1
EB        EDM R     AG   612.  1078.   823.  1124.    340. 7.9  0. 32.   25.
  2
EB        EDMO RT   AG   767.  1112.   698.  1097.      0. 12.   1
       150       127         3  340   17.9 1583 1 3
  1
EB        EDM D     AG   806.  1142.  1967.  1470.    255. 7.9  0. 44.   25.
  1
WB        EDM A     AG  1903.  1471.   836.  1193.    360. 7.9  0. 44.   25.
  2
WB        EDMO LTR  AG   868.  1201.  1071.  1254.      0. 24.   2
       150       129         3  360   17.9 1725 1 3
  1
WB        EDM D     AG   836.  1193.   180.  1020.    370. 7.9  0. 44.   25.
1.0   04  1000   0Y  5  0 72
```

JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2035AM
DATE: 09/10/2012 TIME: 11:48:53.14

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	FRANK	1846.0	-20.0	1204.0	733.0	990.	320.	AG	220.	7.9	.0	56.0		
2. NB	FRANK LTR	1238.0	693.0	1286.1	636.6	74.	140.	AG	134.	100.0	.0	36.0	.86	3.8
3. NB	FRANK D	1204.0	733.0	1085.0	901.0	206.	325.	AG	225.	7.9	.0	32.0		
4. NB	EDMO A	1085.0	901.0	856.0	1162.0	347.	319.	AG	160.	7.9	.0	32.0		
5. NB	EDM LTR	899.0	1113.0	960.5	1043.6	93.	138.	AG	34.	100.0	.0	12.0	.32	4.7
6. NB	EDMO D	856.0	1162.0	681.0	1243.0	193.	295.	AG	265.	7.9	.0	32.0		
7. NB	EDMO D	681.0	1243.0	420.0	1400.0	305.	301.	AG	265.	7.9	.0	32.0		
8. SB	FRANK	884.0	1068.0	1119.0	793.0	362.	139.	AG	235.	7.9	.0	32.0		
9. SB	FRANK LTR	1099.0	817.0	1002.3	930.4	149.	320.	AG	37.	100.0	.0	12.0	.61	7.6
10. SB	FRANK	1119.0	793.0	1826.0	-41.0	1093.	140.	AG	250.	7.9	.0	32.0		
11. EB	US40	207.0	962.0	632.0	725.0	487.	119.	AG	2135.	7.9	.0	56.0		
12. EB	US40	632.0	725.0	757.0	682.0	132.	109.	AG	2135.	7.9	.0	56.0		
13. EB	US40	757.0	682.0	939.0	684.0	182.	89.	AG	2135.	7.9	.0	56.0		
14. EB	US40 TR	939.0	684.0	1182.0	730.0	247.	79.	AG	2125.	7.9	.0	56.0		
15. EB	US40 TR	1133.0	720.0	881.9	672.9	256.	259.	AG	63.	100.0	.0	36.0	.76	13.0
16. EB	US40 L	939.0	684.0	1143.0	747.0	214.	73.	AG	10.	7.9	.0	32.0		
17. EB	US40 L	1120.0	740.0	1112.4	737.6	8.	252.	AG	46.	100.0	.0	12.0	.32	.4
18. EB	US40 D	1182.0	730.0	2197.0	1004.0	1051.	75.	AG	2240.	7.9	.0	44.0		
19. WB	US40 A	2151.0	1046.0	1685.0	923.0	482.	255.	AG	1050.	7.9	.0	44.0		
20. WB	US40 TR	1685.0	923.0	1238.0	798.0	464.	254.	AG	965.	7.9	.0	44.0		
21. WB	US40 TR	1273.0	808.0	1417.8	847.9	150.	75.	AG	36.	100.0	.0	24.0	.46	7.6
22. WB	US40 L	1685.0	923.0	1588.0	880.0	106.	246.	AG	85.	7.9	.0	32.0		
23. WB	US40 L	1588.0	880.0	1245.0	783.0	356.	254.	AG	85.	7.9	.0	32.0		
24. WB	US40 L	1279.0	793.0	1338.0	809.8	61.	74.	AG	42.	100.0	.0	12.0	.46	3.1
25. WB	US40 D	1238.0	798.0	976.0	728.0	271.	255.	AG	925.	7.9	.0	44.0		
26. WB	US40 D	976.0	728.0	834.0	715.0	143.	265.	AG	925.	7.9	.0	44.0		
27. WB	US40 D	834.0	715.0	701.0	738.0	135.	280.	AG	925.	7.9	.0	44.0		
28. WB	US40 D	701.0	738.0	195.0	1007.0	573.	298.	AG	925.	7.9	.0	44.0		
29. EB	EDMON	299.0	998.0	612.0	1078.0	323.	76.	AG	665.	7.9	.0	32.0		
30. EB	EDM LT	612.0	1078.0	812.0	1142.0	210.	72.	AG	325.	7.9	.0	32.0		
31. EB	EDMO LT	754.0	1124.0	625.4	1082.8	135.	252.	AG	24.	100.0	.0	12.0	.37	6.9
32. EB	EDM R	612.0	1078.0	823.0	1124.0	216.	78.	AG	340.	7.9	.0	32.0		
33. EB	EDMO RT	767.0	1112.0	-746.4	783.0	1549.	258.	AG	41.	100.0	.0	12.0	1.56	78.7
34. EB	EDM D	806.0	1142.0	1967.0	1470.0	1206.	74.	AG	255.	7.9	.0	44.0		
35. WB	EDM A	1903.0	1471.0	836.0	1193.0	1103.	255.	AG	360.	7.9	.0	44.0		
36. WB	EDMO LTR	868.0	1201.0	1008.8	1237.8	146.	75.	AG	83.	100.0	.0	24.0	.84	7.4
37. WB	EDM D	836.0	1193.0	180.0	1020.0	678.	255.	AG	370.	7.9	.0	44.0		

JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2035AM
DATE: 09/10/2012 TIME: 11:48:53.14

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. NB	FRANK LTR	150	140	.3	220	1673	17.90	1	3
5. NB	EDM LTR	150	106	.3	160	1808	17.90	1	3
9. SB	FRANK LTR	150	116	.3	235	1819	17.90	1	3
15. EB	US40 TR	150	66	.3	2125	1707	17.90	1	3
17. EB	US40 L	150	145	.3	10	1770	17.90	1	3
21. WB	US40 TR	150	57	.3	965	1731	17.90	1	3
24. WB	US40 L	150	132	.3	85	1770	17.90	1	3
31. EB	EDMO LT	150	76	.3	325	1839	17.90	1	3
33. EB	EDMO RT	150	127	.3	340	1583	17.90	1	3
36. WB	EDMO LTR	150	129	.3	360	1725	17.90	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID	1444.0	490.0	.0
2. SE 164	1376.0	559.0	.0
3. SE 82	1330.0	627.0	.0
4. SE COR	1263.0	718.0	.0
5. ES 82	1378.0	756.0	.0
6. ES 164	1457.0	777.0	.0
7. ES MID	1612.0	821.0	.0
8. EN MID	1592.0	926.0	.0
9. EN 164	1425.0	873.0	.0
10. EN 82	1344.0	848.0	.0
11. NE COR1	1195.0	835.0	.0
12. LAUR COR	1077.0	942.0	.0
13. NE LAU COR	1016.0	1002.0	.0

14.	NE EDM	*	917.0	1136.0	.0 *
15.	NW EDM	*	838.0	1079.0	.0 *
16.	NW LAUR	*	972.0	930.0	.0 *
17.	NW 82	*	1029.0	871.0	.0 *
18.	NW COR	*	1087.0	785.0	.0 *
19.	WN 82	*	1014.0	763.0	.0 *
20.	WN 164	*	913.0	744.0	.0 *
21.	WN MID	*	671.0	787.0	.0 *
22.	WS MID	*	608.0	701.0	.0 *
23.	WS 164	*	978.0	653.0	.0 *
24.	WS 82	*	1066.0	674.0	.0 *
25.	SW COR	*	1163.0	688.0	.0 *
26.	SW 82	*	1265.0	589.0	.0 *
27.	SW 164	*	1311.0	534.0	.0 *
28.	SW MID	*	1371.0	453.0	.0 *

1

JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2035AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.2	.3	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.0	.1	.2	.2	.0	.0
5.	.1	.2	.3	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.0	.1	.2	.2	.0	.0
10.	.1	.2	.3	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.0	.1	.2	.2	.0	.0
15.	.1	.2	.3	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.0	.1	.2	.1	.0	.0
20.	.1	.3	.3	.7	.7	.7	.8	.0	.0	.0	.0	.0	.0	.3	.1	.1	.2	.1	.0	.0
25.	.1	.3	.3	.7	.8	.8	.8	.0	.0	.0	.0	.0	.0	.3	.1	.1	.2	.1	.0	.0
30.	.1	.2	.3	.7	.8	.8	.9	.0	.0	.1	.0	.0	.0	.3	.1	.1	.2	.1	.0	.0
35.	.1	.2	.3	.7	.8	.8	1.0	.0	.0	.1	.0	.0	.0	.3	.1	.1	.2	.1	.0	.0
40.	.1	.2	.3	.8	.9	.9	1.0	.0	.0	.1	.0	.0	.0	.3	.1	.1	.2	.1	.0	.1
45.	.1	.2	.3	.8	.9	.9	1.0	.0	.1	.1	.0	.0	.0	.3	.1	.1	.2	.1	.0	.0
50.	.1	.2	.2	.8	1.0	1.0	1.0	.0	.1	.1	.0	.0	.0	.2	.0	.1	.2	.1	.1	.0
55.	.1	.1	.2	.9	1.0	1.1	1.1	.0	.1	.1	.0	.0	.0	.2	.0	.1	.2	.0	.1	.0
60.	.1	.1	.2	.9	1.2	1.1	1.1	.1	.2	.2	.0	.0	.0	.2	.0	.1	.2	.1	.1	.1
65.	.0	.1	.2	.9	1.1	1.1	1.1	.2	.3	.4	.2	.0	.0	.2	.0	.1	.2	.3	.3	.3
70.	.0	.1	.1	.8	1.1	1.0	1.0	.3	.5	.4	.2	.0	.0	.1	.0	.1	.2	.3	.4	.3
75.	.0	.0	.1	.6	.8	.8	.9	.4	.7	.9	.3	.0	.0	.1	.0	.1	.3	.5	.6	.6
80.	.0	.0	.0	.4	.6	.6	.6	.6	.8	1.0	.4	.1	.0	.0	.0	.2	.3	.6	.8	.8
85.	.0	.0	.0	.3	.4	.4	.5	.7	.8	.9	.5	.1	.1	.0	.0	.2	.4	.7	.8	.8
90.	.0	.0	.0	.2	.3	.3	.3	.7	.8	1.0	.5	.1	.1	.0	.0	.2	.5	.8	.9	.9
95.	.0	.0	.0	.1	.2	.2	.2	.6	.8	1.0	.5	.2	.1	.1	.1	.4	.5	.7	.8	1.0
100.	.0	.0	.0	.1	.1	.1	.1	.7	.8	.9	.5	.3	.1	.1	.1	.4	.5	.8	.8	.9
105.	.0	.0	.0	.0	.1	.1	.1	.7	.8	.9	.5	.3	.1	.1	.1	.4	.5	.8	.8	1.0
110.	.0	.0	.0	.0	.1	.1	.1	.6	.8	.9	.5	.3	.2	.1	.1	.3	.5	.7	.8	.9
115.	.0	.0	.0	.0	.1	.0	.1	.6	.6	.9	.5	.3	.2	.1	.1	.3	.5	.8	.8	.9
120.	.0	.1	.0	.0	.1	.0	.1	.6	.6	.7	.5	.3	.1	.1	.2	.3	.4	.9	.8	.9
125.	.0	.1	.0	.0	.0	.0	.1	.6	.6	.7	.5	.1	.1	.1	.2	.4	.5	.8	.8	.8
130.	.1	.1	.1	.0	.0	.0	.1	.6	.6	.7	.5	.1	.1	.1	.2	.5	.5	.9	.8	.7
135.	.1	.1	.1	.0	.0	.0	.1	.6	.6	.7	.5	.1	.2	.1	.0	.5	.5	.8	.8	.8
140.	.1	.1	.1	.2	.0	.0	.0	.5	.6	.7	.5	.1	.2	.1	.1	.2	.4	.6	.8	.8
145.	.1	.1	.1	.2	.0	.0	.0	.5	.6	.7	.3	.2	.2	.0	.1	.2	.3	.6	.8	.8
150.	.1	.2	.1	.2	.0	.0	.0	.5	.6	.7	.6	.3	.3	.1	.1	.2	.3	.6	.8	.7
155.	.1	.2	.1	.3	.0	.0	.0	.6	.6	.7	.6	.4	.3	.1	.1	.2	.3	.7	.8	.8
160.	.1	.2	.1	.3	.0	.0	.0	.6	.6	.7	.5	.2	.3	.2	.1	.2	.3	.7	.8	.8
165.	.1	.2	.1	.4	.0	.0	.0	.6	.6	.7	.5	.2	.3	.2	.0	.2	.4	.7	.8	.8
170.	.1	.2	.1	.4	.0	.0	.0	.6	.6	.7	.5	.2	.2	.2	.1	.1	.4	.7	.8	.8
175.	.1	.2	.1	.4	.0	.0	.0	.6	.6	.7	.5	.2	.2	.1	.1	.1	.4	.7	.8	.8
180.	.1	.1	.1	.4	.0	.0	.0	.6	.6	.7	.5	.2	.2	.1	.1	.1	.4	.6	.8	.7
185.	.1	.1	.1	.5	.0	.0	.0	.5	.6	.7	.4	.2	.2	.2	.1	.2	.4	.6	.6	.8
190.	.1	.1	.1	.5	.0	.0	.0	.6	.6	.7	.4	.2	.2	.2	.1	.2	.4	.6	.6	.8
195.	.1	.1	.1	.4	.0	.0	.1	.6	.7	.8	.5	.2	.3	.1	.0	.1	.3	.7	.7	.8
200.	.1	.1	.1	.4	.0	.0	.1	.6	.7	.9	.5	.1	.2	.1	.0	.1	.3	.7	.7	.8
205.	.1	.1	.1	.4	.0	.0	.1	.6	.7	.9	.4	.2	.2	.0	.0	.1	.3	.7	.7	.8

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JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2035AM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.1	.1	.1	.4	.1	.0	.1	.6	.7	.9	.4	.2	.2	.0	.0	.1	.3	.7	.7	.7
215.	.1	.1	.1	.3	.2	.0	.1	.6	.7	.9	.6	.1	.2	.0	.1	.1	.3	.7	.8	.7
220.	.1	.1	.1	.3	.2	.1	.1	.6	.8	1.0	.6	.1	.2	.1	.1	.1	.2	.7	.8	.7
225.	.1	.1	.1	.3	.2	.1	.1	.6	.8	1.0	.5	.1	.1	.1	.1	.2	.2	.8	.8	.7
230.	.1	.1	.1	.2	.2	.1	.1	.6	.9	.9	.5	.1	.1	.1	.1	.1	.1	.8	.8	.7
235.	.1	.1	.1	.2	.2	.1	.2	.7	.9	.9	.6	.1	.1	.1	.1	.1	.1	.7	.7	.7
240.	.1	.1	.1	.3	.4	.2	.3	.8	.9	.9	.6	.0	.2	.1	.1	.1	.2	.8	.8	.8
245.	.1	.1	.1	.4	.5	.4	.4	.6	.9	.8	.3	.1	.2	.1	.1	.1	.2	.6	.7	.8
250.	.1	.1	.1	.4	.6	.6	.6	.6	.8	.8	.3	.1	.2	.1	.1	.1	.2	.5	.6	.7
255.	.1	.1	.1	.6	.6	.7	.9	.3	.7	.6	.3	.1	.2	.1	.2	.1	.1	.6	.6	.7
260.	.1	.1	.2	.7	1.0	.8	1.1	.3	.4	.4	.1	.1	.2	.1	.2	.1	.1	.5	.5	.7
265.	.1	.1	.2	.9	.9	1.0	1.1	.1	.2	.3	.1	.1	.2	.1	.1	.1	.1	.3	.5	.6

270. *	.1	.1	.3	1.0	1.0	1.1	1.1	.1	.1	.2	.1	.2	.1	.1	.1	.1	.1	.2	.5	.7
275. *	.1	.1	.4	1.1	1.0	1.1	1.0	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	.1	.3	.5
280. *	.1	.2	.6	1.1	1.1	.9	1.0	.0	.1	.1	.0	.1	.1	.2	.2	.0	.1	.1	.2	.5
285. *	.1	.3	.6	.9	1.0	.9	1.0	.0	.1	.1	.0	.1	.1	.2	.2	.0	.0	.1	.2	.3
290. *	.2	.3	.5	.8	1.0	.9	.9	.0	.0	.1	.0	.1	.1	.1	.1	.0	.0	.0	.1	.3
295. *	.2	.4	.7	.8	.8	.8	.9	.0	.0	.1	.0	.1	.1	.1	.1	.0	.0	.0	.0	.2
300. *	.2	.3	.7	.8	.8	.8	.8	.0	.0	.1	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0
305. *	.2	.4	.6	.8	.8	.8	.8	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0
310. *	.3	.4	.6	.7	.7	.7	.8	.0	.0	.0	.0	.1	.1	.1	.1	.0	.1	.0	.0	.1
315. *	.2	.4	.7	.6	.7	.7	.7	.0	.0	.0	.0	.1	.1	.1	.1	.0	.1	.0	.0	.0
320. *	.2	.3	.5	.6	.7	.7	.7	.0	.0	.0	.0	.0	.1	.2	.1	.0	.1	.0	.0	.0
325. *	.2	.3	.3	.6	.7	.7	.7	.0	.0	.0	.0	.0	.1	.2	.0	.1	.1	.1	.0	.0
330. *	.2	.3	.3	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.0	.1	.2	.2	.0	.0
335. *	.1	.2	.2	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.0	.1	.2	.2	.0	.0
340. *	.1	.1	.2	.7	.7	.7	.8	.0	.0	.1	.0	.0	.0	.2	.0	.1	.2	.2	.0	.0
345. *	.1	.1	.3	.8	.8	.7	.8	.0	.0	.1	.0	.0	.0	.2	.0	.1	.2	.2	.0	.0
350. *	.1	.1	.3	.6	.7	.7	.8	.0	.0	.1	.0	.0	.0	.2	.0	.1	.2	.2	.0	.0
355. *	.1	.2	.3	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.0	.1	.2	.2	.0	.1
360. *	.1	.2	.3	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.0	.1	.2	.2	.0	.0
MAX *	.3	.4	.7	1.1	1.2	1.1	1.1	.8	.9	1.0	.6	.4	.3	.3	.2	.5	.5	.9	.9	1.0
DEGR. *	310	295	295	275	60	55	55	240	240	80	150	155	150	20	120	130	90	120	90	95

1

JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2035AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.6	.9	.8	.8	.5	.4	.2
5. *	.0	.6	.8	.8	.7	.6	.2	.2
10. *	.0	.6	.8	.8	.7	.6	.3	.2
15. *	.0	.6	.8	.8	.8	.6	.3	.2
20. *	.0	.7	.8	.8	.7	.6	.3	.2
25. *	.0	.7	.8	.9	.8	.5	.4	.2
30. *	.0	.7	.8	.9	.9	.5	.4	.2
35. *	.0	.7	.9	.9	.9	.5	.3	.2
40. *	.0	.7	.9	.9	.9	.5	.3	.2
45. *	.0	.7	.9	1.0	.9	.4	.3	.2
50. *	.0	.6	1.0	1.1	.9	.3	.3	.2
55. *	.0	.7	1.0	1.1	.9	.3	.2	.2
60. *	.0	.8	1.2	1.2	.9	.3	.2	.2
65. *	.0	.8	1.1	1.0	.9	.2	.2	.1
70. *	.0	.9	1.1	1.1	.9	.2	.2	.1
75. *	.1	1.0	.7	.9	.7	.2	.1	.1
80. *	.1	1.0	.6	.6	.6	.1	.1	.1
85. *	.1	1.0	.4	.5	.4	.1	.1	.1
90. *	.2	1.1	.2	.4	.3	.1	.1	.1
95. *	.2	1.1	.2	.3	.4	.2	.2	.1
100. *	.4	.9	.1	.2	.3	.2	.2	.1
105. *	.4	.6	.0	.1	.3	.2	.2	.1
110. *	.3	.4	.0	.0	.2	.2	.2	.2
115. *	.5	.4	.0	.0	.2	.2	.2	.2
120. *	.5	.2	.0	.0	.2	.2	.2	.2
125. *	.5	.1	.0	.0	.2	.2	.2	.1
130. *	.5	.1	.0	.0	.2	.2	.2	.1
135. *	.6	.0	.0	.0	.1	.1	.1	.1
140. *	.6	.0	.0	.0	.0	.1	.1	.1
145. *	.6	.0	.0	.0	.0	.1	.1	.0
150. *	.7	.0	.0	.0	.0	.0	.0	.0
155. *	.6	.0	.0	.0	.0	.0	.0	.0
160. *	.6	.0	.0	.0	.0	.0	.0	.0
165. *	.5	.0	.0	.0	.0	.0	.0	.0
170. *	.5	.0	.0	.0	.0	.0	.0	.0
175. *	.5	.0	.0	.0	.0	.0	.0	.0
180. *	.5	.0	.0	.0	.0	.0	.0	.0
185. *	.5	.0	.0	.0	.0	.0	.0	.0
190. *	.5	.0	.0	.0	.0	.0	.0	.0
195. *	.6	.0	.0	.0	.0	.0	.0	.0
200. *	.6	.0	.0	.0	.0	.0	.0	.0
205. *	.5	.0	.0	.0	.0	.0	.0	.0

1

JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2035AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.5	.0	.0	.0	.0	.0	.0	.0
215. *	.5	.0	.0	.0	.0	.0	.0	.0

220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.6	.0	.0	.0	.0	.0	.0	.0
230.	*	.6	.0	.0	.0	.0	.0	.0	.0
235.	*	.5	.0	.0	.1	.0	.0	.0	.0
240.	*	.5	.0	.0	.1	.1	.0	.0	.0
245.	*	.6	.0	.0	.1	.1	.0	.0	.0
250.	*	.6	.0	.1	.3	.2	.0	.0	.0
255.	*	.7	.0	.1	.4	.4	.0	.0	.0
260.	*	.7	.0	.2	.6	.5	.0	.0	.0
265.	*	.7	.1	.5	.7	.6	.0	.0	.0
270.	*	.7	.1	.6	1.2	.9	.0	.0	.0
275.	*	.7	.1	.8	1.2	1.0	.2	.0	.0
280.	*	.7	.1	.9	1.3	1.1	.3	.0	.0
285.	*	.6	.2	1.2	1.3	1.1	.3	.3	.0
290.	*	.6	.3	1.2	1.1	1.0	.4	.3	.0
295.	*	.5	.5	1.3	1.2	.9	.3	.1	.1
300.	*	.3	.7	1.2	1.0	.8	.3	.1	.1
305.	*	.3	.8	.9	1.0	.8	.3	.1	.1
310.	*	.1	.9	.9	.9	.7	.3	.1	.1
315.	*	.1	.9	.9	.9	.7	.4	.2	.1
320.	*	.0	.9	.9	.8	.7	.3	.3	.2
325.	*	.0	.8	.8	.8	.7	.5	.4	.3
330.	*	.0	.8	.8	.8	.6	.5	.4	.2
335.	*	.0	.8	.9	.8	.6	.5	.3	.2
340.	*	.0	.7	.8	.8	.6	.4	.3	.2
345.	*	.0	.7	.8	.9	.6	.5	.4	.2
350.	*	.0	.7	.8	.9	.7	.5	.4	.2
355.	*	.0	.7	.9	.9	.7	.5	.4	.2
360.	*	.0	.6	.9	.8	.8	.5	.4	.2
MAX	*	.7	1.1	1.3	1.3	1.1	.6	.4	.3
DEGR.	*	255	90	295	280	280	5	0	325

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 295 DEGREES FROM REC23.
THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 280 DEGREES FROM REC24.
THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 60 DEGREES FROM REC5 .

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S4 US40 & FRANKLIN BD                    60.0321.0.0000.000280.30480000    1    1
SE MID                    1444.      490.         .
SE 164                    1376.      559.         .
SE 82                     1330.      627.         .
SE COR                    1263.      718.         .
ES 82                     1378.      756.         .
ES 164                    1457.      777.         .
ES MID                    1612.      821.         .
EN MID                    1592.      926.         .
EN 164                    1425.      873.         .
EN 82                     1344.      848.         .
NE COR1                   1195.      835.         .
LAUR COR                  1077.      942.         .
NE LAU COR                1016.     1002.         .
NE EDM                     917.     1136.         .
NW EDM                     838.     1079.         .
NW LAUR                    972.      930.         .
NW 82                     1029.      871.         .
NW COR                    1087.      785.         .
WN 82                     1014.      763.         .
WN 164                     913.      744.         .
WN MID                     671.      787.         .
WS MID                     608.      701.         .
WS 164                     978.      653.         .
WS 82                     1066.      674.         .
SW COR                    1163.      688.         .
SW 82                     1265.      589.         .
SW 164                    1311.      534.         .
SW MID                    1371.      453.         .
S4 US40 & FRANK BD2035PM                 37  1   0
  1
NB        FRANK     AG  1846.   -20.  1204.   733.    315. 7.9  0. 56.   25.
  2
NB        FRANK LTR AG  1238.   693.  1372.   536.      0. 36.   3
       150       130         3  315   42.1 1675 1 3
  1
NB        FRANK D   AG  1204.   733.  1085.   901.    370. 7.9  0. 32.   25.
  1
NB        EDMO A    AG  1085.   901.   856.  1162.    195. 7.9  0. 32.   25.
  2
NB        EDM LTR   AG   899.  1113.   969.  1034.      0. 12.   1
       150       110         3  195   42.1 1792 1 3
  1
NB        EDMO D    AG   856.  1162.   681.  1243.    480. 7.9  0. 32.   25.
  1
NB        EDMO D    AG   681.  1243.   420.  1400.    480. 7.9  0. 32.   25.
  1
SB        FRANK     AG   884.  1068.  1119.   793.     60. 7.9  0. 32.   25.
  2
SB        FRANK LTR AG  1099.   817.  1018.   912.      0. 12.   1
       150       123         3   60   42.1 1784 1 3
  1
SB        FRANK     AG  1119.   793.  1826.   -41.    190. 7.9  0. 32.   25.
  1
EB        US40      AG   207.   962.   632.   725.   1340. 7.9  0. 56.   35.
  1
EB        US40      AG   632.   725.   757.   682.   1340. 7.9  0. 56.   35.
  1
EB        US40      AG   757.   682.   939.   684.   1340. 7.9  0. 56.   35.
  1
EB        US40 TR   AG   939.   684.  1182.   730.   1330. 7.9  0. 56.   35.
  2
EB        US40 TR   AG  1133.   720.   973.   690.      0. 36.   3
       150        80         3 1330   42.1 1707 1 3
  1
EB        US40 L    AG   939.   684.  1143.   747.     10. 7.9  0. 32.   35.
  2
EB        US40 L    AG  1120.   740.  1039.   714.      0. 12.   1
       150       145         3   10   42.1 1770 1 3
  1
EB        US40 D    AG  1182.   730.  2197.  1004.   1340. 7.9  0. 44.   35.
  1
WB        US40 A    AG  2151.  1046.  1685.   923.   1765. 7.9  0. 44.   35.
  1
WB        US40 TR   AG  1685.   923.  1238.   798.   1675. 7.9  0. 44.   35.
  2
WB        US40 TR   AG  1273.   808.  1440.   854.      0. 24.   2
       150        61         3 1675   42.1 1744 1 3
  1
WB        US40 L    AG  1685.   923.  1588.   880.     90. 7.9  0. 32.   35.
  1
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WB        US40 L    AG  1588.   880.  1245.   783.     90. 7.9  0. 32.   35.
  2
WB        US40 L    AG  1279.   793.  1455.   843.      0. 12.   1
       150       126         3   90   42.1 1770 1 3
  1
WB        US40 D    AG  1238.   798.   976.   728.   1685. 7.9  0. 44.   35.
  1
WB        US40 D    AG   976.   728.   834.   715.   1685. 7.9  0. 44.   35.
  1
WB        US40 D    AG   834.   715.   701.   738.   1685. 7.9  0. 44.   35.
  1
WB        US40 D    AG   701.   738.   195.  1007.   1685. 7.9  0. 44.   35.
  1
EB        EDMON     AG   299.   998.   612.  1078.    595. 7.9  0. 32.   25.
  1
EB        EDM LT    AG   612.  1078.   812.  1142.    395. 7.9  0. 32.   25.
  2
EB        EDMO LT   AG   754.  1124.   679.  1100.      0. 12.   1
       150        77         3  395   42.1 1829 1 3
  1
EB        EDM R     AG   612.  1078.   823.  1124.    200. 7.9  0. 32.   25.
  2
EB        EDMO RT   AG   767.  1112.   698.  1097.      0. 12.   1
       150        41         3  200   42.1 1583 1 3
  1
EB        EDM D     AG   806.  1142.  1967.  1470.    240. 7.9  0. 44.   25.
  1
WB        EDM A     AG  1903.  1471.   836.  1193.    450. 7.9  0. 44.   25.
  2
WB        EDMO LTR  AG   868.  1201.  1071.  1254.      0. 24.   2
       150       113         3  450   42.1 1703 1 3
  1
WB        EDM D     AG   836.  1193.   180.  1020.    305. 7.9  0. 44.   25.
1.0   04  1000   0Y  5  0 72
```

JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2035PM
DATE: 09/10/2012 TIME: 11:52:03.63

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	FRANK	1846.0	-20.0	1204.0	733.0	990.	320.	AG	315.	7.9	.0	56.0		
2. NB	FRANK LTR	1238.0	693.0	1286.5	636.2	75.	140.	AG	294.	100.0	.0	36.0	.53	3.8
3. NB	FRANK D	1204.0	733.0	1085.0	901.0	206.	325.	AG	370.	7.9	.0	32.0		
4. NB	EDMO A	1085.0	901.0	856.0	1162.0	347.	319.	AG	195.	7.9	.0	32.0		
5. NB	EDM LTR	899.0	1113.0	976.8	1025.2	117.	138.	AG	83.	100.0	.0	12.0	.43	6.0
6. NB	EDMO D	856.0	1162.0	681.0	1243.0	193.	295.	AG	480.	7.9	.0	32.0		
7. NB	EDMO D	681.0	1243.0	420.0	1400.0	305.	301.	AG	480.	7.9	.0	32.0		
8. SB	FRANK	884.0	1068.0	1119.0	793.0	362.	139.	AG	60.	7.9	.0	32.0		
9. SB	FRANK LTR	1099.0	817.0	1072.8	847.7	40.	320.	AG	93.	100.0	.0	12.0	.20	2.1
10. SB	FRANK	1119.0	793.0	1826.0	-41.0	1093.	140.	AG	190.	7.9	.0	32.0		
11. EB	US40	207.0	962.0	632.0	725.0	487.	119.	AG	1340.	7.9	.0	56.0		
12. EB	US40	632.0	725.0	757.0	682.0	132.	109.	AG	1340.	7.9	.0	56.0		
13. EB	US40	757.0	682.0	939.0	684.0	182.	89.	AG	1340.	7.9	.0	56.0		
14. EB	US40 TR	939.0	684.0	1182.0	730.0	247.	79.	AG	1330.	7.9	.0	56.0		
15. EB	US40 TR	1133.0	720.0	942.5	684.3	194.	259.	AG	181.	100.0	.0	36.0	.58	9.8
16. EB	US40 L	939.0	684.0	1143.0	747.0	214.	73.	AG	10.	7.9	.0	32.0		
17. EB	US40 L	1120.0	740.0	1112.4	737.6	8.	252.	AG	109.	100.0	.0	12.0	.32	.4
18. EB	US40 D	1182.0	730.0	2197.0	1004.0	1051.	75.	AG	1340.	7.9	.0	44.0		
19. WB	US40 A	2151.0	1046.0	1685.0	923.0	482.	255.	AG	1765.	7.9	.0	44.0		
20. WB	US40 TR	1685.0	923.0	1238.0	798.0	464.	254.	AG	1675.	7.9	.0	44.0		
21. WB	US40 TR	1273.0	808.0	1542.2	882.1	279.	75.	AG	92.	100.0	.0	24.0	.83	14.2
22. WB	US40 L	1685.0	923.0	1588.0	880.0	106.	246.	AG	90.	7.9	.0	32.0		
23. WB	US40 L	1588.0	880.0	1245.0	783.0	356.	254.	AG	90.	7.9	.0	32.0		
24. WB	US40 L	1279.0	793.0	1338.6	809.9	62.	74.	AG	95.	100.0	.0	12.0	.35	3.2
25. WB	US40 D	1238.0	798.0	976.0	728.0	271.	255.	AG	1685.	7.9	.0	44.0		
26. WB	US40 D	976.0	728.0	834.0	715.0	143.	265.	AG	1685.	7.9	.0	44.0		
27. WB	US40 D	834.0	715.0	701.0	738.0	135.	280.	AG	1685.	7.9	.0	44.0		
28. WB	US40 D	701.0	738.0	195.0	1007.0	573.	298.	AG	1685.	7.9	.0	44.0		
29. EB	EDMON	299.0	998.0	612.0	1078.0	323.	76.	AG	595.	7.9	.0	32.0		
30. EB	EDM LT	612.0	1078.0	812.0	1142.0	210.	72.	AG	395.	7.9	.0	32.0		
31. EB	EDMO LT	754.0	1124.0	595.6	1073.3	166.	252.	AG	58.	100.0	.0	12.0	.46	8.4
32. EB	EDM R	612.0	1078.0	823.0	1124.0	216.	78.	AG	200.	7.9	.0	32.0		
33. EB	EDMO RT	767.0	1112.0	723.2	1102.5	45.	258.	AG	31.	100.0	.0	12.0	.18	2.3
34. EB	EDM D	806.0	1142.0	1967.0	1470.0	1206.	74.	AG	240.	7.9	.0	44.0		
35. WB	EDM A	1903.0	1471.0	836.0	1193.0	1103.	255.	AG	450.	7.9	.0	44.0		
36. WB	EDMO LTR	868.0	1201.0	1002.5	1236.1	139.	75.	AG	170.	100.0	.0	24.0	.57	7.1
37. WB	EDM D	836.0	1193.0	180.0	1020.0	678.	255.	AG	305.	7.9	.0	44.0		

JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2035PM
DATE: 09/10/2012 TIME: 11:52:03.63

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. NB	FRANK LTR	150	130	.3	315	1675	42.10	1	3
5. NB	EDM LTR	150	110	.3	195	1792	42.10	1	3
9. SB	FRANK LTR	150	123	.3	60	1784	42.10	1	3
15. EB	US40 TR	150	80	.3	1330	1707	42.10	1	3
17. EB	US40 L	150	145	.3	10	1770	42.10	1	3
21. WB	US40 TR	150	61	.3	1675	1744	42.10	1	3
24. WB	US40 L	150	126	.3	90	1770	42.10	1	3
31. EB	EDMO LT	150	77	.3	395	1829	42.10	1	3
33. EB	EDMO RT	150	41	.3	200	1583	42.10	1	3
36. WB	EDMO LTR	150	113	.3	450	1703	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID	1444.0	490.0	.0
2. SE 164	1376.0	559.0	.0
3. SE 82	1330.0	627.0	.0
4. SE COR	1263.0	718.0	.0
5. ES 82	1378.0	756.0	.0
6. ES 164	1457.0	777.0	.0
7. ES MID	1612.0	821.0	.0
8. EN MID	1592.0	926.0	.0
9. EN 164	1425.0	873.0	.0
10. EN 82	1344.0	848.0	.0
11. NE COR1	1195.0	835.0	.0
12. LAUR COR	1077.0	942.0	.0
13. NE LAU COR	1016.0	1002.0	.0

14.	NE EDM	*	917.0	1136.0	.0 *
15.	NW EDM	*	838.0	1079.0	.0 *
16.	NW LAUR	*	972.0	930.0	.0 *
17.	NW 82	*	1029.0	871.0	.0 *
18.	NW COR	*	1087.0	785.0	.0 *
19.	WN 82	*	1014.0	763.0	.0 *
20.	WN 164	*	913.0	744.0	.0 *
21.	WN MID	*	671.0	787.0	.0 *
22.	WS MID	*	608.0	701.0	.0 *
23.	WS 164	*	978.0	653.0	.0 *
24.	WS 82	*	1066.0	674.0	.0 *
25.	SW COR	*	1163.0	688.0	.0 *
26.	SW 82	*	1265.0	589.0	.0 *
27.	SW 164	*	1311.0	534.0	.0 *
28.	SW MID	*	1371.0	453.0	.0 *

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JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2035PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.2	.4	.3	.5	.7	.7	.6	.0	.0	.1	.0	.0	.0	.4	.0	.2	.0	.1	.0	.0
5.	.2	.4	.3	.6	.7	.7	.6	.0	.0	.1	.0	.0	.0	.4	.1	.0	.0	.1	.0	.0
10.	.2	.4	.3	.6	.7	.7	.6	.0	.1	.1	.0	.0	.0	.4	.1	.0	.0	.1	.0	.0
15.	.2	.3	.3	.7	.7	.7	.6	.0	.1	.1	.0	.0	.0	.4	.1	.0	.0	.1	.0	.0
20.	.2	.2	.3	.7	.7	.7	.6	.0	.1	.1	.0	.0	.0	.4	.1	.0	.0	.1	.0	.1
25.	.2	.2	.3	.8	.7	.7	.7	.0	.1	.1	.0	.0	.0	.4	.1	.0	.0	.1	.0	.1
30.	.1	.3	.3	.8	.7	.7	.7	.0	.1	.2	.0	.0	.0	.4	.1	.0	.0	.1	.1	.1
35.	.2	.3	.3	.8	.7	.7	.7	.0	.1	.1	.0	.0	.0	.4	.2	.0	.0	.0	.1	.1
40.	.2	.3	.2	.8	.8	.8	.8	.0	.1	.1	.0	.0	.0	.3	.2	.0	.0	.0	.1	.2
45.	.2	.3	.2	.7	.8	.8	.8	.0	.1	.1	.0	.0	.0	.3	.2	.0	.0	.0	.1	.1
50.	.2	.3	.3	.7	.8	.8	.8	.0	.1	.2	.0	.0	.0	.3	.2	.0	.0	.1	.1	.1
55.	.0	.3	.3	.8	1.0	.9	.8	.2	.2	.3	.0	.0	.0	.3	.2	.0	.0	.1	.1	.1
60.	.0	.2	.2	.9	1.0	.8	.8	.2	.4	.5	.1	.0	.0	.2	.1	.0	.0	.2	.3	.2
65.	.0	.1	.2	.9	.8	.8	.8	.3	.6	.7	.1	.0	.0	.2	.1	.0	.0	.3	.5	.3
70.	.0	.0	.1	.6	.7	.7	.7	.5	.8	1.0	.5	.0	.0	.2	.1	.0	.0	.7	.6	.6
75.	.0	.0	.0	.5	.7	.5	.6	.6	.9	1.2	.5	.0	.0	.1	.1	.0	.1	.9	.8	.6
80.	.0	.0	.0	.2	.5	.4	.5	.7	1.2	1.5	.6	.0	.0	.0	.1	.0	.2	.9	1.0	1.0
85.	.0	.1	.0	.2	.3	.2	.3	.9	1.2	1.5	.7	.2	.0	.0	.1	.2	.2	1.0	1.0	1.1
90.	.0	.1	.0	.1	.2	.2	.2	.9	1.3	1.5	.8	.3	.0	.0	.1	.2	.3	1.0	1.2	1.2
95.	.0	.1	.0	.1	.1	.1	.1	.8	1.3	1.4	.8	.2	.2	.0	.1	.2	.4	.9	1.1	1.3
100.	.0	.1	.0	.0	.1	.1	.1	.9	1.2	1.4	.7	.2	.2	.0	.2	.2	.5	.9	1.0	1.5
105.	.0	.1	.0	.0	.0	.0	.1	.8	1.2	1.3	.8	.3	.2	.0	.3	.2	.5	1.0	1.2	1.3
110.	.0	.0	.0	.0	.0	.0	.0	.8	1.1	1.3	.8	.3	.2	.2	.3	.2	.5	.9	1.2	1.2
115.	.0	.1	.0	.0	.0	.0	.0	.8	1.1	1.2	.8	.3	.2	.2	.2	.3	.5	.9	1.1	1.1
120.	.0	.1	.0	.0	.0	.0	.0	.7	1.1	1.2	.6	.2	.2	.2	.1	.2	.4	.9	1.1	1.1
125.	.1	.1	.1	.0	.0	.0	.0	.7	1.0	1.1	.5	.2	.2	.2	.0	.2	.5	1.0	1.1	1.1
130.	.1	.1	.1	.0	.0	.0	.0	.7	1.0	1.0	.6	.3	.3	.0	.1	.1	.6	1.2	1.0	1.0
135.	.1	.1	.1	.2	.0	.0	.0	.6	1.0	1.0	.5	.3	.3	.0	.1	.2	.5	1.0	1.0	1.0
140.	.1	.2	.1	.2	.0	.0	.0	.6	1.0	1.0	.6	.4	.3	.1	.1	.3	.6	.8	1.0	1.0
145.	.2	.2	.1	.3	.0	.0	.0	.6	1.0	1.0	.7	.4	.2	.2	.2	.3	.4	.8	1.0	1.0
150.	.2	.2	.1	.4	.0	.0	.0	.6	1.0	1.0	.8	.3	.2	.3	.2	.3	.4	.8	1.0	.9
155.	.2	.2	.1	.5	.0	.0	.0	.6	1.0	1.0	.8	.3	.3	.3	.1	.3	.4	.9	1.0	.9
160.	.1	.2	.1	.6	.0	.0	.0	.7	1.0	1.0	.7	.3	.4	.5	.1	.3	.4	.9	1.0	.8
165.	.1	.2	.1	.7	.0	.0	.0	.7	1.0	1.0	.5	.4	.4	.4	.0	.3	.5	1.0	1.0	.9
170.	.1	.1	.1	.8	.0	.0	.0	.7	1.0	1.0	.5	.4	.4	.4	.0	.3	.5	1.0	1.0	.8
175.	.1	.1	.1	.8	.0	.0	.0	.6	1.0	1.0	.5	.3	.4	.3	.0	.3	.5	1.0	1.0	.7
180.	.1	.1	.1	.9	.0	.0	.0	.6	1.0	1.1	.6	.3	.4	.3	.0	.4	.4	.9	1.0	.7
185.	.1	.1	.1	.9	.0	.0	.0	.6	1.0	1.2	.5	.4	.4	.3	.0	.3	.4	.9	1.0	.7
190.	.1	.1	.1	.9	.0	.0	.0	.6	1.0	1.2	.6	.4	.2	.2	.0	.2	.3	.9	1.0	.7
195.	.1	.1	.1	.8	.0	.0	.0	.7	1.0	1.2	.7	.4	.3	.1	.0	.2	.4	1.0	1.0	.7
200.	.1	.1	.1	.8	.0	.0	.0	.7	1.0	1.2	.6	.4	.2	.1	.0	.2	.4	1.0	1.0	.7
205.	.1	.1	.1	.8	.1	.0	.0	.7	1.1	1.3	.6	.5	.2	.1	.0	.2	.4	1.0	1.1	.7

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JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2035PM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.1	.1	.1	.7	.1	.0	.0	.7	1.2	1.3	.7	.4	.2	.1	.1	.2	.3	1.0	1.1	.7
215.	.1	.1	.1	.6	.1	.0	.0	.8	1.2	1.3	.9	.2	.1	.1	.1	.3	.2	1.0	1.0	.7
220.	.1	.1	.1	.6	.2	.0	.0	.9	1.2	1.3	.9	.3	.1	.2	.1	.1	.2	1.0	1.0	.8
225.	.1	.1	.1	.5	.2	.1	.1	.9	1.3	1.5	.9	.3	.1	.2	.2	.1	.2	1.0	1.0	.8
230.	.1	.1	.1	.4	.3	.2	.1	.9	1.3	1.5	.8	.2	.1	.1	.2	.1	.2	1.1	.9	.8
235.	.1	.1	.1	.4	.3	.2	.1	1.0	1.4	1.5	.7	.1	.1	.1	.2	.1	.3	1.0	1.0	.9
240.	.1	.1	.1	.3	.3	.2	.2	1.0	1.4	1.6	.7	.1	.2	.1	.2	.1	.2	.9	.9	.9
245.	.1	.1	.1	.4	.5	.3	.3	1.0	1.4	1.4	.6	.1	.2	.1	.2	.1	.1	.9	.8	1.0
250.	.1	.1	.2	.5	.5	.6	.4	.9	1.2	1.3	.6	.2	.3	.1	.1	.2	.2	.8	.8	1.1
255.	.1	.1	.2	.6	.7	.8	.6	.7	.9	1.0	.3	.2	.3	.0	.1	.2	.1	.6	.7	.9
260.	.1	.1	.2	.7	.8	.7	.8	.4	.6	.8	.2	.2	.2	.0	.1	.2	.2	.5	.7	1.0
265.	.1	.1	.3	.8	.7	.9	1.0	.3	.5	.5	.2	.2	.2	.0	.0	.2	.2	.5	.6	1.0

270. *	.1	.1	.4	.9	.9	.9	1.0	.1	.2	.4	.2	.2	.1	.0	.0	.1	.2	.4	.5	.8
275. *	.1	.1	.6	1.1	1.0	.8	.9	.1	.2	.2	.2	.1	.1	.0	.1	.1	.1	.3	.5	.5
280. *	.1	.2	.7	1.0	.7	.9	.8	.1	.1	.2	.2	.1	.1	.2	.1	.0	.1	.2	.4	.6
285. *	.1	.3	.9	.9	.7	.9	.8	.0	.1	.1	.1	.1	.2	.2	.2	.0	.0	.1	.3	.4
290. *	.2	.4	.9	.8	1.0	.8	.8	.0	.1	.1	.1	.1	.2	.2	.1	.0	.0	.0	.2	.3
295. *	.2	.5	.9	.7	.9	.7	.8	.0	.1	.1	.0	.1	.2	.2	.1	.0	.0	.0	.1	.2
300. *	.3	.7	1.1	.7	.8	.7	.7	.0	.1	.2	.0	.1	.2	.2	.1	.0	.0	.0	.1	.2
305. *	.4	.7	1.0	.6	.8	.7	.7	.0	.1	.1	.0	.1	.2	.2	.1	.0	.0	.0	.0	.1
310. *	.3	.5	.9	.6	.8	.7	.7	.0	.1	.1	.0	.1	.2	.2	.0	.0	.0	.0	.0	.1
315. *	.4	.6	.7	.6	.8	.7	.7	.0	.1	.1	.0	.1	.2	.2	.0	.0	.0	.0	.0	.1
320. *	.4	.5	.6	.5	.8	.7	.6	.0	.0	.1	.0	.1	.2	.3	.0	.0	.0	.0	.0	.1
325. *	.3	.5	.5	.5	.8	.7	.6	.0	.0	.1	.0	.1	.3	.3	.0	.0	.0	.0	.0	.1
330. *	.3	.3	.5	.5	.7	.7	.6	.0	.0	.1	.0	.1	.3	.4	.1	.0	.0	.0	.0	.1
335. *	.3	.4	.3	.5	.7	.7	.6	.0	.0	.1	.0	.1	.1	.4	.1	.1	.0	.1	.0	.0
340. *	.2	.3	.3	.5	.7	.7	.6	.0	.0	.2	.0	.1	.1	.4	.1	.1	.0	.1	.0	.0
345. *	.2	.2	.2	.5	.7	.7	.6	.0	.0	.2	.0	.0	.1	.4	.1	.2	.0	.1	.0	.0
350. *	.2	.2	.2	.5	.7	.7	.6	.0	.0	.2	.0	.0	.1	.4	.1	.2	.0	.1	.0	.0
355. *	.2	.3	.3	.5	.7	.7	.6	.0	.0	.1	.0	.0	.1	.4	.0	.2	.0	.1	.0	.1
360. *	.2	.4	.3	.5	.7	.7	.6	.0	.0	.1	.0	.0	.0	.4	.0	.2	.0	.1	.0	.0
MAX *	.4	.7	1.1	1.1	1.0	.9	1.0	1.0	1.4	1.6	.9	.5	.4	.5	.3	.4	.6	1.2	1.2	1.5
DEGR. *	305	300	300	275	55	55	265	235	235	240	215	205	160	160	105	180	130	130	90	100

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JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2035PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.5	1.0	1.0	.6	.9	.5	.4
5. *	.0	.5	1.0	1.0	.7	.9	.5	.4
10. *	.0	.5	1.1	1.0	.6	.9	.4	.3
15. *	.0	.5	1.0	1.0	.6	.9	.4	.3
20. *	.0	.5	1.0	1.0	.5	.9	.4	.3
25. *	.0	.6	1.0	1.1	.7	.8	.4	.3
30. *	.0	.6	1.0	1.1	.6	.8	.4	.3
35. *	.0	.6	1.1	1.1	.5	.7	.4	.2
40. *	.0	.5	1.2	1.1	.7	.5	.4	.3
45. *	.0	.6	1.2	1.3	.8	.5	.4	.3
50. *	.0	.6	1.2	1.2	.7	.4	.4	.2
55. *	.0	.6	1.3	1.3	.8	.5	.4	.1
60. *	.0	.7	1.3	1.2	.8	.4	.3	.1
65. *	.0	.6	1.1	1.1	1.0	.3	.3	.1
70. *	.0	.6	.9	1.0	.8	.3	.2	.1
75. *	.0	.9	.9	.7	.6	.2	.2	.1
80. *	.1	1.2	.7	.7	.6	.2	.2	.1
85. *	.3	1.2	.4	.4	.4	.2	.2	.1
90. *	.4	1.1	.4	.3	.5	.2	.2	.2
95. *	.6	.7	.2	.2	.4	.2	.2	.2
100. *	.5	.6	.1	.1	.5	.2	.2	.2
105. *	.7	.5	.0	.1	.4	.2	.2	.2
110. *	.7	.3	.0	.1	.4	.2	.2	.2
115. *	.6	.2	.0	.1	.5	.2	.2	.2
120. *	.6	.1	.0	.0	.4	.2	.2	.2
125. *	.7	.1	.0	.0	.4	.2	.2	.2
130. *	.7	.0	.0	.0	.3	.2	.2	.2
135. *	.7	.0	.0	.0	.2	.2	.2	.2
140. *	.7	.0	.0	.0	.0	.2	.2	.0
145. *	.8	.0	.0	.0	.0	.1	.0	.0
150. *	.6	.0	.0	.0	.0	.0	.0	.0
155. *	.7	.0	.0	.0	.0	.0	.0	.0
160. *	.7	.0	.0	.0	.0	.0	.0	.0
165. *	.7	.0	.0	.0	.0	.0	.0	.0
170. *	.6	.0	.0	.0	.0	.0	.0	.0
175. *	.6	.0	.0	.0	.0	.0	.0	.0
180. *	.6	.0	.0	.0	.0	.0	.0	.0
185. *	.6	.0	.0	.0	.0	.0	.0	.0
190. *	.6	.0	.0	.0	.0	.0	.0	.0
195. *	.6	.0	.0	.0	.0	.0	.0	.0
200. *	.7	.0	.0	.0	.0	.0	.0	.0
205. *	.6	.0	.0	.0	.0	.0	.0	.0

1

JOB: S4 US40 & FRANKLIN BD RUN: S4 US40 & FRANK BD2035PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.7	.0	.0	.0	.0	.0	.0	.0
215. *	.6	.0	.0	.0	.0	.0	.0	.0

220.	*	.6	.0	.0	.0	.0	.0	.0	.0
225.	*	.7	.0	.0	.0	.0	.0	.0	.0
230.	*	.6	.0	.0	.0	.0	.0	.0	.0
235.	*	.6	.0	.0	.0	.0	.0	.0	.0
240.	*	.6	.0	.0	.1	.0	.0	.0	.0
245.	*	.7	.0	.0	.1	.2	.0	.0	.0
250.	*	.7	.0	.0	.2	.2	.0	.0	.0
255.	*	.7	.0	.1	.4	.4	.0	.0	.0
260.	*	.7	.0	.1	.5	.5	.0	.0	.0
265.	*	.8	.0	.2	.8	.8	.0	.0	.0
270.	*	.8	.0	.3	.9	1.0	.0	.0	.0
275.	*	.8	.1	.6	1.1	1.2	.0	.0	.0
280.	*	.8	.1	1.0	1.4	1.3	.2	.0	.0
285.	*	.8	.1	1.0	1.5	1.2	.3	.1	.0
290.	*	.8	.2	.9	1.7	1.3	.3	.2	.0
295.	*	.6	.4	.9	1.3	1.0	.3	.2	.0
300.	*	.5	.5	1.0	1.3	1.0	.3	.3	.1
305.	*	.4	.6	1.0	1.3	.8	.3	.3	.2
310.	*	.2	.7	.9	1.2	.8	.3	.3	.3
315.	*	.1	.7	.8	1.1	.7	.3	.4	.4
320.	*	.1	.8	.8	1.0	.7	.5	.5	.2
325.	*	.0	.8	1.0	1.0	.7	.4	.5	.2
330.	*	.0	.7	1.0	1.0	.6	.6	.6	.3
335.	*	.0	.7	.9	1.0	.6	.6	.6	.4
340.	*	.0	.7	1.0	1.0	.6	.7	.6	.4
345.	*	.0	.6	1.1	1.1	.5	.8	.5	.5
350.	*	.0	.6	1.1	1.1	.6	.9	.6	.5
355.	*	.0	.6	1.0	1.0	.6	.9	.6	.4
360.	*	.0	.5	1.0	1.0	.6	.9	.5	.4
MAX	*	.8	1.2	1.3	1.7	1.3	.9	.6	.5
DEGR.	*	145	80	55	290	280	0	330	345

THE HIGHEST CONCENTRATION IS 1.70 PPM AT 290 DEGREES FROM REC24.
THE 2ND HIGHEST CONCENTRATION IS 1.60 PPM AT 240 DEGREES FROM REC10.
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 100 DEGREES FROM REC20.

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S4 US40 & FRANKLIN EX                    60.0321.0.0000.000540.30480000    1    1
1 SE MID                  1157.      534.        5.
2 SE 164                  1085.      679.        5.
1 SE 82                   1050.      751.        5.
1 SE COR                  1018.      818.        5.
1 ES 82                   1090.      823.        5.
1 ES 164                  1172.      828.        5.
1 ES MID                  1379.      839.        5.
1 EN MID                  1369.      941.        5.
1 EN 164                  1132.      929.        5.
1 EN 82                   1050.      925.        5.
1 NE COR                   956.      923.        5.
1 NE 82                    914.     1003.        5.
1 NE 164                   877.     1076.        5.
1 NE MID                   769.     1287.        5.
1 NW MID                   712.     1275.        5.
1 NW 164                   802.     1089.        5.
1 NW 82                    853.      999.        5.
1 NW COR                   892.      923.        5.
1 WN 82                    806.      915.        5.
1 WN 164                   724.      916.        5.
1 WN MID                   514.      983.        5.
1 WS MID                   564.      842.        5.
1 WS 164                   779.      808.        5.
1 WS 82                    862.      812.        5.
1 SW COR                   944.      817.        5.
1 SW 82                    974.      751.        5.
1 SW 164                  1019.      663.        5.
1 SW MID                  1093.      507.        5.
2 164SE                    836.     1157.        5.
2 82SE                     797.     1234.        5.
2 SE COR                   765.     1311.        5.
2 ES 82                    847.     1322.        5.
2 ES 164                   929.     1324.        5.
2 ES MID                  1166.     1330.        5.
2 EN MID                   954.     1404.        5.
2 EN 164                   855.     1402.        5.
2 EN 82                    762.     1399.        5.
2 NE COR                   686.     1399.        5.
2 NE 82                    613.     1470.        5.
2 NE 164                   548.     1539.        5.
2 NE MID                   427.     1648.        5.
2 NW MID                   373.     1622.        5.
2 NW 164                   503.     1503.        5.
2 NW 82                    563.     1446.        5.
2 NW COR                   597.     1406.        5.
2 WN 82                    539.     1402.        5.
2 WN 164                   453.     1392.        5.
2 WN MID                   289.     1394.        5.
2 WS MID                   310.     1301.        5.
2 WS 164                   507.     1308.        5.
2 WS 82                    587.     1312.        5.
2 SW COR                   691.     1314.        5.
2 SW 82                    732.     1233.        5.
2 SW 164                   769.     1158.        5.
S4 US40 & FRANK EXAM                     31  1   0
  1
FRANK     NB LTR    AG  1430.   -35.   972.   848.    135.10.2  0. 44.   25.
  2
FRANK     NB LTR    AG   993.   806.  1096.   608.      0. 24.   2
       110        76         3  135   56.4 1300 1 3
  1
FRAED     NB LTR    AG   972.   848.   718.  1342.     13010.2  0. 32.   25.
  2
FRAED     NB LTR    AG   741.  1296.   815.  1154.      0. 12.   1
       110        50         3  130   56.4 1774 1 3
  1
FRANK     NB D      AG   718.  1342.   352.  1682.     13010.2  0. 32.   25.
  1
FRANK     SB LTR    AG   719.  1304.   933.   885.    360.10.2  0. 44.   25.
  2
FRANK     SB LTR    AG   914.   923.   798.  1149.      0. 24.   2
       110        76         3  360   56.4 1526 1 3
  1
FRANK     SB D      AG   933.   885.  1400.   -39.    260.10.2  0. 32.   25.
  1
US40      EB LTR    AG    41.  1280.   424.   948.   2340.10.0  0. 56.   35.
  1
US40      EB LTR    AG   424.   948.   531.   888.   2340.10.0  0. 56.   35.
  1
US40      EB LTR    AG   531.   888.   660.   848.   2340.10.0  0. 56.   35.
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  1
US40      EB LTR    AG   660.   848.   719.   841.   2340.10.0  0. 56.   35.
  1
US40      EB LTR    AG   719.   841.   960.   842.   2340.10.0  0. 56.   35.
  2
US40      EB LTR    AG   919.   842.   798.   841.      0. 36.   3
       110        46         6 2340   56.4 1642 1 3
  1
US40      EB D      AG   960.   842.  1972.   900.   2500.10.0  0. 56.   35.
  1
US40      WB LTR    AG  1967.   941.  1453.   918.    820.10.0  0. 56.   35.
  1
US40      WB TR     AG  1453.   918.   942.   891.    760.10.0  0. 56.   35.
  2
US40      WB TR     AG   982.   893.  1280.   909.      0. 36.   3
       110        40         3  760   56.4 1727 1 3
  1
US40      WB L      AG  1441.   895.   953.   870.     60.10.0  0. 32.   35.
  2
US40      WB L      AG   995.   872.  1367.   891.      0. 12.   1
       110        40         3   60   56.4  130 1 3
  1
US40      WB D      AG   942.   891.   763.   884.    745.10.0  0. 56.   35.
  1
US40      WB D      AG   763.   884.   652.   895.    745.10.0  0. 56.   35.
  1
US40      WB D      AG   652.   895.   543.   932.    745.10.0  0. 56.   35.
  1
US40      WB D      AG   543.   932.   424.  1006.    745.10.0  0. 56.   35.
  1
US40      WB D      AG   424.  1006.    48.  1341.    745.10.0  0. 56.   35.
  1
EDMO      EB LTR    AG    49.  1321.   703.  1345.    305.10.0  0. 44.   30.
  2
EDMO      EB LTR    AG   653.  1343.   417.  1334.      0. 24.   2
       110        60         3  305   56.4 1424 1 3
  1
EDMO      EB D      AG   703.  1345.  1845.  1379.    180.10.0  0. 44.   30.
  1
EDMO      WB LTR    AG  1815.  1406.   679.  1368.    235.10.0  0. 44.   30.
  2
EDMO      WB LTR    AG   723.  1370.   984.  1378.      0. 24.   2
       110        60         3  235   56.4 1390 1 3
  1
EDMO      WB D      AG   679.  1368.    48.  1353.    170.10.0  0. 44.   30.
1.0   04  1000   0Y  5  0 72
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JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXAM
DATE: 09/10/2012 TIME: 10:25:20.31

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. FRANK	NB LTR	*	1430.0	-35.0	972.0	848.0	*	995.	333.	AG	135.	10.2	.0	44.0		
2. FRANK	NB LTR	*	993.0	806.0	1005.8	781.3	*	28.	153.	AG	209.	100.0	.0	24.0	.18	1.4
3. FRAED	NB LTR	*	972.0	848.0	718.0	1342.0	*	555.	333.	AG	130.	10.2	.0	32.0		
4. FRAED	NB LTR	*	741.0	1296.0	757.4	1264.5	*	36.	152.	AG	69.	100.0	.0	12.0	.14	1.8
5. FRANK	NB D	*	718.0	1342.0	352.0	1682.0	*	500.	313.	AG	130.	10.2	.0	32.0		
6. FRANK	SB LTR	*	719.0	1304.0	933.0	885.0	*	470.	153.	AG	360.	10.2	.0	44.0		
7. FRANK	SB LTR	*	914.0	923.0	879.8	989.5	*	75.	333.	AG	209.	100.0	.0	24.0	.41	3.8
8. FRANK	SB D	*	933.0	885.0	1400.0	-39.0	*	1035.	153.	AG	260.	10.2	.0	32.0		
9. US40	EB LTR	*	41.0	1280.0	424.0	948.0	*	507.	131.	AG	2340.	10.0	.0	56.0		
10. US40	EB LTR	*	424.0	948.0	531.0	888.0	*	123.	119.	AG	2340.	10.0	.0	56.0		
11. US40	EB LTR	*	531.0	888.0	660.0	848.0	*	135.	107.	AG	2340.	10.0	.0	56.0		
12. US40	EB LTR	*	660.0	848.0	719.0	841.0	*	59.	97.	AG	2340.	10.0	.0	56.0		
13. US40	EB LTR	*	719.0	841.0	960.0	842.0	*	241.	90.	AG	2340.	10.0	.0	56.0		
14. US40	EB LTR	*	919.0	842.0	710.2	840.3	*	209.	270.	AG	190.	100.0	.0	36.0	.85	10.6
15. US40	EB D	*	960.0	842.0	1972.0	900.0	*	1014.	87.	AG	2500.	10.0	.0	56.0		
16. US40	WB LTR	*	1967.0	941.0	1453.0	918.0	*	515.	267.	AG	820.	10.0	.0	56.0		
17. US40	WB TR	*	1453.0	918.0	942.0	891.0	*	512.	267.	AG	760.	10.0	.0	56.0		
18. US40	WB TR	*	982.0	893.0	1037.3	896.0	*	55.	87.	AG	165.	100.0	.0	36.0	.24	2.8
19. US40	WB L	*	1441.0	895.0	953.0	870.0	*	489.	267.	AG	60.	10.0	.0	32.0		
20. US40	WB L	*	995.0	872.0	1014.8	873.0	*	20.	87.	AG	55.	100.0	.0	12.0	.75	1.0
21. US40	WB D	*	942.0	891.0	763.0	884.0	*	179.	268.	AG	745.	10.0	.0	56.0		
22. US40	WB D	*	763.0	884.0	652.0	895.0	*	112.	276.	AG	745.	10.0	.0	56.0		
23. US40	WB D	*	652.0	895.0	543.0	932.0	*	115.	289.	AG	745.	10.0	.0	56.0		
24. US40	WB D	*	543.0	932.0	424.0	1006.0	*	140.	302.	AG	745.	10.0	.0	56.0		
25. US40	WB D	*	424.0	1006.0	48.0	1341.0	*	504.	312.	AG	745.	10.0	.0	56.0		
26. EDMO	EB LTR	*	49.0	1321.0	703.0	1345.0	*	654.	88.	AG	305.	10.0	.0	44.0		
27. EDMO	EB LTR	*	653.0	1343.0	603.2	1341.1	*	50.	268.	AG	165.	100.0	.0	24.0	.25	2.5
28. EDMO	EB D	*	703.0	1345.0	1845.0	1379.0	*	1143.	88.	AG	180.	10.0	.0	44.0		
29. EDMO	WB LTR	*	1815.0	1406.0	679.0	1368.0	*	1137.	268.	AG	235.	10.0	.0	44.0		
30. EDMO	WB LTR	*	723.0	1370.0	761.4	1371.2	*	38.	88.	AG	165.	100.0	.0	24.0	.19	1.9
31. EDMO	WB D	*	679.0	1368.0	48.0	1353.0	*	631.	269.	AG	170.	10.0	.0	44.0		

JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXAM
DATE: 09/10/2012 TIME: 10:25:20.31

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. FRANK	NB LTR	*	110	76	.3	135	1300	56.40	1	3
4. FRAED	NB LTR	*	110	50	.3	130	1774	56.40	1	3
7. FRANK	SB LTR	*	110	76	.3	360	1526	56.40	1	3
14. US40	EB LTR	*	110	46	.6	2340	1642	56.40	1	3
18. US40	WB TR	*	110	40	.3	760	1727	56.40	1	3
20. US40	WB L	*	110	40	.3	60	130	56.40	1	3
27. EDMO	EB LTR	*	110	60	.3	305	1424	56.40	1	3
30. EDMO	WB LTR	*	110	60	.3	235	1390	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. 1 SE MID	*	1157.0	534.0	5.0	*
2. 2 SE 164	*	1085.0	679.0	5.0	*
3. 1 SE 82	*	1050.0	751.0	5.0	*
4. 1 SE COR	*	1018.0	818.0	5.0	*
5. 1 ES 82	*	1090.0	823.0	5.0	*
6. 1 ES 164	*	1172.0	828.0	5.0	*
7. 1 ES MID	*	1379.0	839.0	5.0	*
8. 1 EN MID	*	1369.0	941.0	5.0	*
9. 1 EN 164	*	1132.0	929.0	5.0	*
10. 1 EN 82	*	1050.0	925.0	5.0	*
11. 1 NE COR	*	956.0	923.0	5.0	*
12. 1 NE 82	*	914.0	1003.0	5.0	*
13. 1 NE 164	*	877.0	1076.0	5.0	*
14. 1 NE MID	*	769.0	1287.0	5.0	*
15. 1 NW MID	*	712.0	1275.0	5.0	*
16. 1 NW 164	*	802.0	1089.0	5.0	*
17. 1 NW 82	*	853.0	999.0	5.0	*
18. 1 NW COR	*	892.0	923.0	5.0	*
19. 1 WN 82	*	806.0	915.0	5.0	*
20. 1 WN 164	*	724.0	916.0	5.0	*
21. 1 WN MID	*	514.0	983.0	5.0	*

22.	1 WS MID	564.0	842.0	5.0	
23.	1 WS 164	779.0	808.0	5.0	
24.	1 WS 82	862.0	812.0	5.0	
25.	1 SW COR	944.0	817.0	5.0	
26.	1 SW 82	974.0	751.0	5.0	
27.	1 SW 164	1019.0	663.0	5.0	
28.	1 SW MID	1093.0	507.0	5.0	
29.	2 164SE	836.0	1157.0	5.0	
30.	2 82SE	797.0	1234.0	5.0	
31.	2 SE COR	765.0	1311.0	5.0	
32.	2 ES 82	847.0	1322.0	5.0	
33.	2 ES 164	929.0	1324.0	5.0	
34.	2 ES MID	1166.0	1330.0	5.0	
35.	2 EN MID	954.0	1404.0	5.0	
36.	2 EN 164	855.0	1402.0	5.0	
37.	2 EN 82	762.0	1399.0	5.0	

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JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXAM
DATE: 09/10/2012 TIME: 10:25:20.31

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
38. 2 NE COR	686.0	1399.0	5.0
39. 2 NE 82	613.0	1470.0	5.0
40. 2 NE 164	548.0	1539.0	5.0
41. 2 NE MID	427.0	1648.0	5.0
42. 2 NW MID	373.0	1622.0	5.0
43. 2 NW 164	503.0	1503.0	5.0
44. 2 NW 82	563.0	1446.0	5.0
45. 2 NW COR	597.0	1406.0	5.0
46. 2 WN 82	539.0	1402.0	5.0
47. 2 WN 164	453.0	1392.0	5.0
48. 2 WN MID	289.0	1394.0	5.0
49. 2 WS MID	310.0	1301.0	5.0
50. 2 WS 164	507.0	1308.0	5.0
51. 2 WS 82	587.0	1312.0	5.0
52. 2 SW COR	691.0	1314.0	5.0
53. 2 SW 82	732.0	1233.0	5.0
54. 2 SW 164	769.0	1158.0	5.0

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JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXAM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.2	.4	.6	1.1	.9	.9	.9	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.9	.1	.0
5.	.2	.4	.5	1.1	.9	.9	.9	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.9	.1	.0
10.	.2	.4	.5	1.1	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.9	.1	.0
15.	.2	.3	.5	1.0	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.9	.1	.0
20.	.2	.4	.5	1.0	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.8	.1	.0
25.	.2	.4	.5	1.0	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.8	.1	.0
30.	.2	.4	.5	.9	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.8	.1	.0
35.	.2	.4	.5	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.8	.2	.0
40.	.2	.4	.5	1.0	1.1	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.8	.2	.0
45.	.2	.4	.5	1.2	1.2	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.7	.2	.0
50.	.2	.4	.5	1.2	1.2	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.7	.2	.0
55.	.2	.3	.6	1.3	1.3	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.7	.3	.0
60.	.1	.3	.6	1.4	1.4	1.3	1.3	.0	.1	.1	.0	.0	.0	.0	.2	.1	.1	.7	.3	.1
65.	.1	.3	.6	1.3	1.4	1.4	1.4	.1	.1	.1	.1	.0	.0	.0	.2	.1	.1	.7	.3	.1
70.	.1	.3	.6	1.4	1.5	1.6	1.5	.2	.1	.1	.1	.0	.0	.0	.2	.1	.1	.7	.4	.1
75.	.0	.2	.4	1.5	1.6	1.6	1.4	.3	.3	.3	.2	.0	.0	.0	.2	.1	.1	.8	.6	.3
80.	.0	.1	.3	1.4	1.6	1.6	1.4	.3	.4	.4	.5	.0	.0	.0	.2	.1	.2	.8	.6	.4
85.	.0	.1	.3	1.3	1.5	1.4	1.3	.6	.7	.6	.6	.1	.0	.0	.2	.1	.3	1.1	.7	.6
90.	.0	.1	.2	1.0	1.1	1.1	1.1	.7	.8	.8	.8	.1	.1	.0	.2	.2	.3	1.2	.8	.8
95.	.0	.0	.1	.8	.8	.8	.8	.8	.8	.9	1.0	.3	.1	.0	.2	.2	.6	1.2	1.0	1.0
100.	.0	.0	.0	.6	.6	.6	.6	.9	1.0	.9	1.1	.4	.2	.0	.2	.2	.7	1.2	1.0	1.0
105.	.0	.0	.0	.4	.4	.4	.4	.9	1.0	1.0	1.1	.4	.2	.1	.3	.3	.8	1.2	1.1	1.1
110.	.0	.0	.0	.3	.3	.3	.3	.9	.9	1.0	1.1	.4	.3	.1	.3	.4	.8	1.2	1.0	1.0
115.	.0	.0	.0	.2	.2	.2	.2	.9	.8	.8	1.1	.4	.3	.1	.3	.5	1.1	1.1	1.0	1.1
120.	.0	.0	.0	.1	.2	.2	.1	.9	.8	.8	1.1	.4	.3	.1	.3	.5	1.1	1.1	1.0	1.2
125.	.0	.0	.0	.1	.1	.1	.1	.8	.8	.8	1.1	.5	.3	.1	.3	.6	1.2	1.1	1.0	1.2
130.	.0	.0	.0	.1	.1	.1	.1	.8	.8	.8	1.1	.5	.3	.1	.3	.6	1.1	1.0	1.0	1.1
135.	.0	.0	.0	.1	.1	.1	.1	.8	.8	.8	1.0	.5	.3	.1	.3	.6	1.1	1.0	1.0	1.1
140.	.0	.0	.0	.1	.1	.1	.1	.8	.8	.8	.9	.5	.3	.1	.3	.5	1.2	.8	1.0	1.0
145.	.1	.0	.0	.1	.1	.1	.1	.7	.7	.7	.8	.4	.4	.1	.3	.5	.9	1.0	.9	1.0
150.	.1	.1	.1	.1	.1	.1	.1	.7	.7	.7	.8	.4	.4	.2	.4	.5	1.1	.9	.9	.9
155.	.2	.2	.2	.2	.0	.0	.0	.7	.7	.7	.9	.7	.5	.4	.3	.6	.9	.9	.9	.9
160.	.2	.2	.2	.2	.0	.0	.0	.7	.7	.7	1.0	.7	.5	.4	.3	.6	.7	1.0	.9	.9

165. *	.2	.2	.2	.2	.0	.0	.0	.7	.7	.7	.8	.7	.7	.4	.3	.6	.6	.9	.9	1.0
170. *	.2	.2	.2	.3	.0	.0	.0	.7	.7	.7	.7	.9	.8	.4	.3	.4	.6	.8	.9	.9
175. *	.2	.2	.2	.3	.0	.0	.0	.8	.8	.7	.7	.9	.8	.4	.3	.4	.6	.8	.9	.8
180. *	.2	.2	.2	.4	.0	.0	.0	.8	.7	.8	.7	.9	.8	.4	.1	.4	.6	.8	.9	.9
185. *	.2	.2	.2	.4	.0	.0	.0	.7	.7	.7	.8	.9	.7	.3	.0	.3	.6	.9	.9	.9
190. *	.2	.2	.2	.4	.0	.0	.0	.7	.7	.7	1.0	1.0	.7	.2	.1	.2	.6	.9	.9	.9
195. *	.2	.2	.2	.5	.0	.0	.0	.7	.7	.9	1.1	1.1	.7	.4	.1	.2	.5	.9	.9	.7
200. *	.2	.2	.2	.4	.1	.1	.0	.7	.7	.9	.7	1.1	.6	.4	.1	.3	.5	.9	.9	.7
205. *	.2	.2	.1	.6	.1	.1	.1	.7	.7	1.0	.7	1.0	.3	.3	.2	.4	.5	.9	.9	.7

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JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXAM

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR) *	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.1	.1	.1	.6	.1	.1	.1	.8	.7	1.0	.9	1.0	.3	.3	.1	.2	.5	.9	.9	.6
215. *	.1	.1	.1	.6	.1	.1	.1	.8	.7	1.1	1.0	1.0	.4	.3	.1	.1	.5	.9	1.0	.6
220. *	.1	.1	.1	.6	.1	.1	.1	.8	.8	1.1	1.0	1.0	.5	.3	.2	.1	.4	.9	1.1	.7
225. *	.1	.1	.1	.6	.1	.1	.1	.8	.8	1.3	1.1	.9	.2	.3	.1	.1	.5	.9	.9	.6
230. *	.1	.1	.1	.6	.1	.1	.1	.8	.8	1.2	1.1	.9	.2	.3	.1	.2	.5	1.0	1.0	.6
235. *	.1	.1	.1	.5	.2	.2	.2	.8	1.0	1.3	1.1	.9	.2	.3	.1	.2	.4	1.1	1.0	.6
240. *	.1	.1	.1	.5	.3	.2	.2	.8	1.0	1.3	1.1	.8	.3	.4	.1	.2	.3	1.0	.9	.6
245. *	.1	.1	.1	.7	.3	.3	.3	.9	1.0	1.3	1.0	.5	.3	.4	.1	.2	.1	.9	.8	.7
250. *	.1	.1	.1	.7	.5	.5	.4	.9	.9	1.3	1.1	.4	.3	.4	.1	.2	.2	.8	.7	.7
255. *	.1	.1	.1	.9	.7	.6	.6	.9	.9	1.1	1.0	.5	.3	.4	.1	.2	.2	.7	.6	.7
260. *	.1	.1	.1	.9	1.0	.9	.9	.9	.9	1.0	.9	.5	.2	.3	.1	.1	.3	.8	.6	.7
265. *	.1	.1	.1	1.2	1.2	1.2	1.1	.6	.8	.9	.8	.4	.2	.3	.1	.1	.2	.6	.7	.7
270. *	.1	.1	.3	1.5	1.5	1.3	1.4	.5	.7	.9	.8	.3	.2	.3	.1	.1	.1	.5	.6	.7
275. *	.1	.1	.3	1.6	1.6	1.5	1.4	.4	.6	.6	.7	.2	.2	.3	.1	.1	.1	.4	.6	.5
280. *	.2	.2	.5	1.9	1.7	1.7	1.6	.3	.3	.3	.6	.2	.2	.4	.1	.1	.1	.2	.4	.7
285. *	.2	.4	.9	1.8	1.7	1.6	1.5	.1	.3	.3	.6	.3	.3	.4	.1	.1	.1	.1	.2	.6
290. *	.2	.6	1.0	1.7	1.7	1.5	1.4	.1	.2	.2	.7	.3	.3	.4	.2	.1	.1	.1	.1	.6
295. *	.3	.6	1.1	1.6	1.7	1.5	1.3	.1	.0	.2	.7	.2	.2	.5	.2	.0	.1	.1	.1	.4
300. *	.4	.6	1.1	1.3	1.4	1.3	1.3	.0	.0	.1	.6	.2	.2	.3	.2	.0	.0	.1	.1	.2
305. *	.5	.6	1.1	1.4	1.4	1.2	1.2	.0	.0	.0	.6	.2	.2	.0	.2	.0	.0	.0	.1	.1
310. *	.4	.6	1.0	1.4	1.2	1.1	1.2	.0	.0	.0	.5	.2	.2	.0	.2	.0	.1	.1	.0	.1
315. *	.4	.6	1.0	1.3	1.2	1.0	1.1	.0	.0	.0	.5	.2	.2	.0	.2	.0	.1	.1	.0	.0
320. *	.5	.6	.8	1.3	1.1	1.0	1.0	.0	.0	.0	.4	.2	.2	.1	.2	.1	.1	.2	.0	.0
325. *	.4	.5	.7	1.3	1.0	.9	.9	.0	.0	.0	.3	.2	.2	.1	.2	.1	.1	.2	.0	.0
330. *	.3	.4	.8	1.2	1.0	.9	.9	.0	.0	.0	.3	.2	.2	.1	.2	.1	.2	.4	.0	.0
335. *	.2	.3	.7	1.0	1.0	.9	.9	.0	.0	.0	.2	.1	.1	.1	.1	.1	.2	.5	.0	.0
340. *	.2	.3	.6	1.1	.9	.9	.9	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.6	.0	.0
345. *	.2	.3	.6	1.1	.9	.9	.9	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.7	.0	.0
350. *	.2	.4	.6	1.1	.9	.9	.9	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.8	.0	.0
355. *	.2	.4	.6	1.1	.9	.9	.9	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.8	.0	.0
360. *	.2	.4	.6	1.1	.9	.9	.9	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.9	.1	.0
MAX *	.5	.6	1.1	1.9	1.7	1.7	1.6	.9	1.0	1.3	1.1	1.1	.8	.5	.4	.6	1.2	1.2	1.1	1.2
DEGR. *	305	290	295	280	285	280	280	110	100	225	195	195	170	295	150	125	125	90	105	120

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JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXAM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR) *	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0. *	.0	.8	1.3	1.6	1.2	.8	.5	.2	.0	.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0
5. *	.0	.8	1.3	1.6	1.0	.8	.4	.3	.0	.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0
10. *	.0	.8	1.3	1.5	1.0	.8	.4	.3	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
15. *	.0	.8	1.3	1.5	1.1	.9	.4	.3	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0
20. *	.0	.8	1.3	1.5	1.2	.9	.4	.3	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0
25. *	.0	.8	1.4	1.4	1.1	.9	.5	.3	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0
30. *	.0	.8	1.4	1.4	1.2	.9	.5	.3	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
35. *	.0	.8	1.4	1.5	1.2	.8	.5	.3	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
40. *	.0	.8	1.6	1.5	1.4	.8	.5	.3	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
45. *	.0	.8	1.6	1.6	1.4	.8	.5	.3	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
50. *	.0	.8	1.6	1.7	1.5	.9	.5	.3	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
55. *	.0	.9	1.7	1.8	1.5	.8	.4	.3	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
60. *	.0	1.0	1.8	1.7	1.6	.8	.4	.2	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
65. *	.0	1.1	1.9	1.8	1.7	.8	.4	.2	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
70. *	.0	1.2	1.9	1.8	1.7	.7	.3	.2	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
75. *	.0	1.4	1.7	1.7	1.7	.5	.3	.1	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
80. *	.1	1.7	1.7	1.6	1.7	.5	.2	.1	.0	.0	.2	.2	.2	.2	.1	.1	.1	.0	.0	.0
85. *	.1	1.8	1.4	1.4	1.7	.4	.2	.1	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0
90. *	.1	1.5	1.2	1.2	1.5	.3	.1	.1	.0	.0	.0	.1	.1	.1	.1	.1	.1	.2	.0	.0
95. *	.3	1.4	.8	.9	1.2	.2	.1	.1	.1	.0	.0	.1	.0	.0	.1	.1	.1	.2	.0	.0
100. *	.4	1.1	.6	.7	.9	.2	.1	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.2	.0	.0
105. *	.5	.9	.3	.4	.8	.1	.1	.1	.1	.1	.1	.0	.0	.0	.2	.2	.2	.4	.0	.0
110. *	.6	.6	.2	.2	.5	.1	.1	.1	.2	.1	.1	.1	.1	.0	.2	.2	.3	.4	.1	.0
115. *	.9	.4	.1	.1	.4	.1	.1	.1	.2	.1	.1	.1	.1	.1	.2	.2	.2	.4	.1	.1
120. *	.7	.1	.1	.1	.4	.1	.1	.1	.3	.1	.1	.1	.1	.1	.2	.2	.2	.4	.1	.1

125. *	.7	.1	.1	.1	.3	.1	.1	.1	.3	.2	.1	.1	.1	.1	.2	.2	.2	.4	.1	.1
130. *	.7	.1	.0	.1	.2	.1	.1	.1	.3	.2	.1	.1	.1	.1	.2	.2	.2	.4	.1	.1
135. *	.9	.0	.0	.1	.3	.1	.1	.1	.3	.1	.1	.1	.1	.1	.2	.2	.2	.3	.1	.1
140. *	.7	.0	.0	.1	.2	.1	.1	.1	.3	.1	.1	.1	.1	.1	.2	.2	.2	.3	.1	.1
145. *	.7	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.4	.1	.1
150. *	.7	.0	.0	.0	.1	.1	.1	.1	.3	.2	.1	.1	.1	.1	.2	.2	.2	.4	.2	.0
155. *	.7	.0	.0	.0	.1	.1	.1	.1	.5	.4	.3	.1	.1	.1	.2	.2	.2	.4	.2	.0
160. *	.8	.0	.0	.0	.1	.1	.1	.0	.5	.4	.3	.1	.1	.1	.2	.2	.3	.3	.3	.0
165. *	.7	.0	.0	.0	.1	.0	.0	.0	.6	.4	.3	.2	.1	.1	.2	.2	.4	.3	.3	.0
170. *	.7	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.1	.1	.1	.2	.3	.4	.3	.2	.0
175. *	.6	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.1	.2	.1	.2	.2	.5	.2	.1	.0
180. *	.6	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.2	.1	.1	.3	.2	.5	.2	.1	.0
185. *	.7	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3	.2	.1	.1	.2	.2	.4	.1	.1	.0
190. *	.6	.0	.0	.0	.0	.0	.0	.0	.4	.4	.2	.2	.2	.1	.2	.2	.5	.1	.1	.0
195. *	.6	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.1	.2	.1	.2	.1	.4	.2	.0	.1
200. *	.6	.0	.0	.0	.0	.0	.0	.0	.4	.2	.3	.0	.1	.1	.2	.1	.4	.2	.1	.1
205. *	.6	.0	.0	.0	.1	.0	.0	.0	.2	.2	.3	.0	.1	.2	.1	.1	.5	.2	.1	.1

1

JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXAM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210. *	.7	.0	.0	.0	.1	.0	.0	.0	.2	.2	.2	.0	.0	.1	.1	.1	.5	.3	.1	.1
215. *	.6	.0	.0	.1	.1	.0	.0	.0	.2	.2	.2	.0	.0	.1	.1	.1	.5	.3	.1	.1
220. *	.6	.0	.0	.1	.1	.0	.0	.0	.2	.2	.2	.0	.0	.1	.1	.1	.6	.4	.1	.1
225. *	.6	.0	.0	.1	.1	.0	.0	.0	.2	.2	.3	.0	.0	.0	.1	.2	.5	.4	.1	.1
230. *	.7	.0	.0	.1	.1	.0	.0	.0	.3	.3	.3	.1	.0	.0	.1	.2	.5	.5	.1	.1
235. *	.7	.0	.0	.1	.1	.0	.0	.0	.2	.2	.3	.1	.1	.0	.2	.2	.6	.4	.1	.1
240. *	.6	.0	.0	.1	.2	.0	.0	.0	.3	.2	.3	.1	.1	.0	.2	.3	.6	.4	.1	.1
245. *	.7	.0	.1	.1	.2	.0	.0	.0	.2	.2	.2	.1	.1	.0	.2	.3	.6	.4	.1	.0
250. *	.7	.0	.1	.2	.4	.0	.0	.0	.2	.2	.2	.1	.1	.1	.2	.3	.5	.4	.1	.0
255. *	.7	.0	.1	.3	.5	.0	.0	.0	.2	.2	.2	.1	.1	.1	.2	.3	.5	.3	.0	.0
260. *	.8	.0	.3	.5	.8	.0	.0	.0	.2	.2	.1	.1	.1	.1	.2	.3	.5	.3	.0	.0
265. *	.7	.0	.4	.9	1.3	.0	.0	.0	.2	.2	.2	.1	.1	.1	.1	.2	.1	.3	.0	.0
270. *	.8	.0	.6	1.1	1.5	.1	.0	.0	.2	.2	.3	.1	.1	.1	.1	.1	.0	.1	.0	.0
275. *	.8	.2	.9	1.4	1.7	.3	.0	.0	.2	.2	.2	.2	.1	.1	.0	.0	.0	.1	.1	.0
280. *	.8	.2	1.2	1.7	2.2	.3	.0	.0	.2	.1	.2	.2	.1	.2	.0	.0	.0	.1	.1	.0
285. *	.7	.4	1.3	2.0	2.2	.6	.0	.0	.1	.1	.2	.2	.1	.2	.0	.0	.0	.1	.1	.0
290. *	.7	.6	1.5	2.0	2.0	.8	.4	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.1	.0
295. *	.8	.8	1.9	2.0	1.8	.7	.4	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.1	.0
300. *	.7	1.0	1.9	2.0	1.8	.8	.4	.1	.2	.2	.0	.3	.2	.2	.0	.0	.0	.1	.1	.0
305. *	.6	1.1	1.8	1.8	1.6	.8	.4	.2	.2	.2	.0	.3	.2	.2	.0	.0	.0	.1	.1	.0
310. *	.4	1.4	1.6	1.8	1.5	.7	.4	.3	.2	.3	.1	.3	.2	.2	.0	.0	.0	.1	.0	.0
315. *	.3	1.4	1.6	1.5	1.3	.7	.3	.2	.2	.3	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
320. *	.3	1.3	1.4	1.5	1.4	.7	.3	.2	.2	.3	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
325. *	.0	1.3	1.4	1.5	1.3	.6	.3	.2	.2	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
330. *	.0	1.1	1.3	1.4	1.3	.7	.5	.3	.1	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
335. *	.0	1.1	1.3	1.3	1.2	.9	.5	.3	.0	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
340. *	.0	1.0	1.3	1.3	1.3	.9	.3	.3	.0	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
345. *	.0	.9	1.4	1.3	1.1	.6	.4	.2	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
350. *	.0	.9	1.4	1.4	1.2	.7	.5	.2	.0	.0	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0
355. *	.0	.8	1.3	1.6	1.3	.7	.5	.2	.0	.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0
360. *	.0	.8	1.3	1.6	1.2	.8	.5	.2	.0	.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0
MAX *	.9	1.8	1.9	2.0	2.2	.9	.5	.3	.6	.4	.5	.3	.2	.2	.3	.3	.6	.5	.3	.1
DEGR. *	115	85	65	285	280	15	0	5	165	155	180	300	0	10	180	170	220	230	160	115

1

JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXAM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54
0. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.2
5. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	.2
10. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.3	.2
15. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.1
20. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.2	.1
25. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.1	.2	.1
30. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.2	.2	.1
35. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.2	.2	.1
40. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.4	.2	.2	.1
45. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.4	.2	.1	.1
50. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.4	.3	.1	.1
55. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.4	.3	.1	.1
60. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.3	.1	.1
65. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.3	.1	.1
70. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.2	.1	.1

75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.2	.1	.1
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.2	.1	.1
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.1	.1	.1
90.	*	.0	.0	.0	.0	.1	.0	.0	.0	.1	.2	.1	.1	.1	.1
95.	*	.0	.0	.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.1	.2
100.	*	.0	.0	.0	.0	.2	.0	.1	.2	.1	.0	.0	.1	.2	.2
105.	*	.0	.0	.0	.0	.2	.1	.4	.3	.1	.1	.1	.2	.2	.2
110.	*	.0	.0	.1	.1	.1	.2	.4	.3	.1	.1	.1	.2	.3	.3
115.	*	.0	.1	.1	.1	.1	.2	.3	.3	.1	.1	.1	.3	.3	.4
120.	*	.1	.1	.1	.1	.1	.4	.3	.3	.1	.1	.2	.3	.3	.5
125.	*	.1	.1	.1	.1	.2	.4	.3	.3	.1	.1	.2	.2	.3	.5
130.	*	.1	.1	.1	.2	.2	.4	.3	.3	.1	.1	.1	.2	.3	.5
135.	*	.1	.1	.1	.2	.3	.3	.3	.2	.1	.2	.1	.2	.3	.3
140.	*	.1	.1	.1	.2	.4	.3	.3	.2	.0	.1	.2	.3	.3	.4
145.	*	.1	.0	.0	.2	.4	.3	.3	.1	.0	.1	.1	.3	.4	.5
150.	*	.1	.0	.0	.2	.4	.2	.3	.1	.2	.1	.1	.3	.4	.5
155.	*	.1	.0	.0	.2	.4	.2	.2	.2	.2	.1	.2	.2	.4	.5
160.	*	.1	.0	.0	.2	.4	.2	.2	.2	.3	.1	.1	.3	.3	.3
165.	*	.1	.0	.0	.1	.4	.1	.2	.3	.4	.1	.1	.3	.3	.3
170.	*	.0	.0	.0	.0	.2	.1	.2	.3	.3	.1	.1	.3	.3	.3
175.	*	.0	.1	.0	.0	.2	.1	.3	.4	.3	.2	.1	.1	.2	.2
180.	*	.1	.1	.0	.0	.2	.1	.4	.4	.3	.1	.1	.0	.2	.2
185.	*	.1	.1	.1	.0	.2	.1	.3	.4	.3	.1	.1	.1	.1	.2
190.	*	.1	.1	.1	.0	.1	.1	.3	.4	.3	.2	.1	.1	.1	.2
195.	*	.1	.1	.1	.1	.1	.2	.3	.4	.3	.2	.1	.1	.1	.2
200.	*	.1	.1	.1	.1	.2	.2	.2	.4	.3	.1	.2	.1	.1	.1
205.	*	.1	.1	.1	.1	.2	.2	.3	.4	.3	.1	.2	.1	.1	.1

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JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXAM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54
210.	*	.1	.1	.1	.1	.2	.2	.3	.4	.3	.1	.1	.1	.2	.1
215.	*	.1	.1	.1	.1	.2	.2	.3	.4	.3	.2	.1	.1	.1	.1
220.	*	.1	.1	.1	.1	.2	.3	.4	.5	.3	.3	.1	.1	.1	.2
225.	*	.1	.1	.1	.1	.2	.3	.4	.5	.3	.3	.1	.1	.2	.2
230.	*	.0	.0	.1	.1	.3	.3	.3	.5	.3	.3	.1	.1	.1	.1
235.	*	.0	.0	.1	.1	.3	.3	.3	.4	.3	.2	.1	.1	.1	.2
240.	*	.0	.0	.1	.1	.3	.3	.3	.4	.3	.2	.1	.1	.1	.2
245.	*	.0	.0	.1	.1	.3	.3	.3	.4	.3	.2	.1	.1	.1	.1
250.	*	.0	.0	.0	.1	.3	.3	.3	.3	.3	.2	.1	.1	.1	.1
255.	*	.0	.0	.0	.1	.3	.3	.3	.1	.3	.2	.1	.1	.1	.1
260.	*	.0	.0	.0	.0	.2	.3	.3	.0	.3	.2	.2	.2	.1	.1
265.	*	.0	.0	.0	.0	.0	.0	.1	.0	.3	.2	.2	.3	.1	.1
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2	.3	.1	.1
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.1	.2	.1	.1
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.0	.1
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.0	.1
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.1	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.1	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.1	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.2	.1
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.2	.1
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.2
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.2
MAX	*	.1	.1	.1	.2	.4	.4	.4	.5	.4	.3	.4	.3	.4	.5
DEGR.	*	120	115	110	130	140	120	105	220	165	220	40	50	145	120

THE HIGHEST CONCENTRATION IS 2.20 PPM AT 280 DEGREES FROM REC25.
THE 2ND HIGHEST CONCENTRATION IS 2.00 PPM AT 285 DEGREES FROM REC24.
THE 3RD HIGHEST CONCENTRATION IS 1.90 PPM AT 280 DEGREES FROM REC4 .

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S4 US40 & FRANKLIN EX                    60.0321.0.0000.000540.30480000    1    1
1 SE MID                 1157.      534.        5.
2 SE 164                 1085.      679.        5.
1 SE 82                  1050.      751.        5.
1 SE COR                 1018.      818.        5.
1 ES 82                  1090.      823.        5.
1 ES 164                 1172.      828.        5.
1 ES MID                 1379.      839.        5.
1 EN MID                 1369.      941.        5.
1 EN 164                 1132.      929.        5.
1 EN 82                  1050.      925.        5.
1 NE COR                  956.      923.        5.
1 NE 82                   914.     1003.        5.
1 NE 164                  877.     1076.        5.
1 NE MID                  769.     1287.        5.
1 NW MID                  712.     1275.        5.
1 NW 164                  802.     1089.        5.
1 NW 82                   853.      999.        5.
1 NW COR                  892.      923.        5.
1 WN 82                   806.      915.        5.
1 WN 164                  724.      916.        5.
1 WN MID                  514.      983.        5.
1 WS MID                  564.      842.        5.
1 WS 164                  779.      808.        5.
1 WS 82                   862.      812.        5.
1 SW COR                  944.      817.        5.
1 SW 82                   974.      751.        5.
1 SW 164                 1019.      663.        5.
1 SW MID                 1093.      507.        5.
2 164SE                   836.     1157.        5.
2 82SE                    797.     1234.        5.
2 SE COR                  765.     1311.        5.
2 ES 82                   847.     1322.        5.
2 ES 164                  929.     1324.        5.
2 ES MID                 1166.     1330.        5.
2 EN MID                  954.     1404.        5.
2 EN 164                  855.     1402.        5.
2 EN 82                   762.     1399.        5.
2 NE COR                  686.     1399.        5.
2 NE 82                   613.     1470.        5.
2 NE 164                  548.     1539.        5.
2 NE MID                  427.     1648.        5.
2 NW MID                  373.     1622.        5.
2 NW 164                  503.     1503.        5.
2 NW 82                   563.     1446.        5.
2 NW COR                  597.     1406.        5.
2 WN 82                   539.     1402.        5.
2 WN 164                  453.     1392.        5.
2 WN MID                  289.     1394.        5.
2 WS MID                  310.     1301.        5.
2 WS 164                  507.     1308.        5.
2 WS 82                   587.     1312.        5.
2 SW COR                  691.     1314.        5.
2 SW 82                   732.     1233.        5.
2 SW 164                  769.     1158.        5.
S4 US40 & FRANK EXPM                     31  1   0
  1
FRANK     NB LTR    AG  1430.   -35.   972.   848.    230.10.2  0. 44.   25.
  2
FRANK     NB LTR    AG   993.   806.  1096.   608.      0. 24.   2
       110        80         3  230   56.4 1330 1 3
  1
FRAED     NB LTR    AG   972.   848.   718.  1342.    200.10.2  0. 32.   25.
  2
FRAED     NB LTR    AG   741.  1296.   815.  1154.      0. 12.   1
       110        50         3  200   56.4 1774 1 3
  1
FRANK     NB D      AG   718.  1342.   352.  1682.    235.10.2  0. 32.   25.
  1
FRANK     SB LTR    AG   719.  1304.   933.   885.    265.10.2  0. 44.   25.
  2
FRANK     SB LTR    AG   914.   923.   798.  1149.      0. 24.   2
       110        80         3  265   56.4 1338 1 3
  1
FRANK     SB D      AG   933.   885.  1400.   -39.    235.10.2  0. 32.   25.
  1
US40      EB LTR    AG    41.  1280.   424.   948.   1020.10.0  0. 56.   35.
  1
US40      EB LTR    AG   424.   948.   531.   888.   1020.10.0  0. 56.   35.
  1
US40      EB LTR    AG   531.   888.   660.   848.   1020.10.0  0. 56.   35.
```

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  1
US40      EB LTR    AG   660.   848.   719.   841.   1020.10.0  0. 56.   35.
  1
US40      EB LTR    AG   719.   841.   960.   842.   1020.10.0  0. 56.   35.
  2
US40      EB LTR    AG   919.   842.   798.   841.      0. 36.   3
       110        50         6 1020   56.4 1621 1 3
  1
US40      EB D      AG   960.   842.  1972.   900.   1120.10.0  0. 56.   35.
  1
US40      WB LTR    AG  1967.   941.  1453.   918.   1770.10.0  0. 56.   35.
  1
US40      WB TR     AG  1453.   918.   942.   891.   1710.10.0  0. 56.   35.
  2
US40      WB TR     AG   982.   893.  1280.   909.      0. 36.   3
       110        33         3 1710   56.4 1751 1 3
  1
US40      WB L      AG  1441.   895.   953.   870.     60.10.0  0. 32.   35.
  2
US40      WB L      AG   995.   872.  1367.   891.      0. 12.   1
       110        37         3   60   56.4  309 1 3
  1
US40      WB D      AG   942.   891.   763.   884.   1625.10.0  0. 56.   35.
  1
US40      WB D      AG   763.   884.   652.   895.   1625.10.0  0. 56.   35.
  1
US40      WB D      AG   652.   895.   543.   932.   1625.10.0  0. 56.   35.
  1
US40      WB D      AG   543.   932.   424.  1006.   1625.10.0  0. 56.   35.
  1
US40      WB D      AG   424.  1006.    48.  1341.   1625.10.0  0. 56.   35.
  1
EDMO      EB LTR    AG    49.  1321.   703.  1345.    385.10.0  0. 44.   30.
  2
EDMO      EB LTR    AG   653.  1343.   417.  1334.      0. 24.   2
       110        60         3  385   56.4 1469 1 3
  1
EDMO      EB D      AG   703.  1345.  1845.  1379.    380.10.0  0. 44.   30.
  1
EDMO      WB LTR    AG  1815.  1406.   679.  1368.    350.10.0  0. 44.   30.
  2
EDMO      WB LTR    AG   723.  1370.   984.  1378.      0. 24.   2
       110        60         3  350   56.4 1309 1 3
  1
EDMO      WB D      AG   679.  1368.    48.  1353.    275.10.0  0. 44.   30.
1.0   04  1000   0Y  5  0 72
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JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXPM
DATE: 09/10/2012 TIME: 10:25:41.19

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. FRANK	NB LTR	1430.0	-35.0	972.0	848.0	995.	333.	AG	230.	10.2	.0	44.0		
2. FRANK	NB LTR	993.0	806.0	1016.2	761.4	50.	153.	AG	220.	100.0	.0	24.0	.34	2.6
3. FRAED	NB LTR	972.0	848.0	718.0	1342.0	555.	333.	AG	200.	10.2	.0	32.0		
4. FRAED	NB LTR	741.0	1296.0	766.3	1247.5	55.	152.	AG	69.	100.0	.0	12.0	.22	2.8
5. FRANK	NB D	718.0	1342.0	352.0	1682.0	500.	313.	AG	235.	10.2	.0	32.0		
6. FRANK	SB LTR	719.0	1304.0	933.0	885.0	470.	153.	AG	265.	10.2	.0	44.0		
7. FRANK	SB LTR	914.0	923.0	887.6	974.4	58.	333.	AG	220.	100.0	.0	24.0	.39	2.9
8. FRANK	SB D	933.0	885.0	1400.0	-39.0	1035.	153.	AG	235.	10.2	.0	32.0		
9. US40	EB LTR	41.0	1280.0	424.0	948.0	507.	131.	AG	1020.	10.0	.0	56.0		
10. US40	EB LTR	424.0	948.0	531.0	888.0	123.	119.	AG	1020.	10.0	.0	56.0		
11. US40	EB LTR	531.0	888.0	660.0	848.0	135.	107.	AG	1020.	10.0	.0	56.0		
12. US40	EB LTR	660.0	848.0	719.0	841.0	59.	97.	AG	1020.	10.0	.0	56.0		
13. US40	EB LTR	719.0	841.0	960.0	842.0	241.	90.	AG	1020.	10.0	.0	56.0		
14. US40	EB LTR	919.0	842.0	826.0	841.2	93.	270.	AG	206.	100.0	.0	36.0	.40	4.7
15. US40	EB D	960.0	842.0	1972.0	900.0	1014.	87.	AG	1120.	10.0	.0	56.0		
16. US40	WB LTR	1967.0	941.0	1453.0	918.0	515.	267.	AG	1770.	10.0	.0	56.0		
17. US40	WB TR	1453.0	918.0	942.0	891.0	512.	267.	AG	1710.	10.0	.0	56.0		
18. US40	WB TR	982.0	893.0	1084.7	898.5	103.	87.	AG	136.	100.0	.0	36.0	.48	5.2
19. US40	WB L	1441.0	895.0	953.0	870.0	489.	267.	AG	60.	10.0	.0	32.0		
20. US40	WB L	995.0	872.0	1007.1	872.6	12.	87.	AG	51.	100.0	.0	12.0	.30	.6
21. US40	WB D	942.0	891.0	763.0	884.0	179.	268.	AG	1625.	10.0	.0	56.0		
22. US40	WB D	763.0	884.0	652.0	895.0	112.	276.	AG	1625.	10.0	.0	56.0		
23. US40	WB D	652.0	895.0	543.0	932.0	115.	289.	AG	1625.	10.0	.0	56.0		
24. US40	WB D	543.0	932.0	424.0	1006.0	140.	302.	AG	1625.	10.0	.0	56.0		
25. US40	WB D	424.0	1006.0	48.0	1341.0	504.	312.	AG	1625.	10.0	.0	56.0		
26. EDMO	EB LTR	49.0	1321.0	703.0	1345.0	654.	88.	AG	385.	10.0	.0	44.0		
27. EDMO	EB LTR	653.0	1343.0	590.1	1340.6	63.	268.	AG	165.	100.0	.0	24.0	.30	3.2
28. EDMO	EB D	703.0	1345.0	1845.0	1379.0	1143.	88.	AG	380.	10.0	.0	44.0		
29. EDMO	WB LTR	1815.0	1406.0	679.0	1368.0	1137.	268.	AG	350.	10.0	.0	44.0		
30. EDMO	WB LTR	723.0	1370.0	780.4	1371.8	57.	88.	AG	165.	100.0	.0	24.0	.31	2.9
31. EDMO	WB D	679.0	1368.0	48.0	1353.0	631.	269.	AG	275.	10.0	.0	44.0		

JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXPM
DATE: 09/10/2012 TIME: 10:25:41.19

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. FRANK	NB LTR	110	80	.3	230	1330	56.40	1	3
4. FRAED	NB LTR	110	50	.3	200	1774	56.40	1	3
7. FRANK	SB LTR	110	80	.3	265	1338	56.40	1	3
14. US40	EB LTR	110	50	.6	1020	1621	56.40	1	3
18. US40	WB TR	110	33	.3	1710	1751	56.40	1	3
20. US40	WB L	110	37	.3	60	309	56.40	1	3
27. EDMO	EB LTR	110	60	.3	385	1469	56.40	1	3
30. EDMO	WB LTR	110	60	.3	350	1309	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. 1 SE MID	1157.0	534.0	5.0
2. 2 SE 164	1085.0	679.0	5.0
3. 1 SE 82	1050.0	751.0	5.0
4. 1 SE COR	1018.0	818.0	5.0
5. 1 ES 82	1090.0	823.0	5.0
6. 1 ES 164	1172.0	828.0	5.0
7. 1 ES MID	1379.0	839.0	5.0
8. 1 EN MID	1369.0	941.0	5.0
9. 1 EN 164	1132.0	929.0	5.0
10. 1 EN 82	1050.0	925.0	5.0
11. 1 NE COR	956.0	923.0	5.0
12. 1 NE 82	914.0	1003.0	5.0
13. 1 NE 164	877.0	1076.0	5.0
14. 1 NE MID	769.0	1287.0	5.0
15. 1 NW MID	712.0	1275.0	5.0
16. 1 NW 164	802.0	1089.0	5.0
17. 1 NW 82	853.0	999.0	5.0
18. 1 NW COR	892.0	923.0	5.0
19. 1 WN 82	806.0	915.0	5.0
20. 1 WN 164	724.0	916.0	5.0
21. 1 WN MID	514.0	983.0	5.0

22. 1 WS MID	564.0	842.0	5.0	
23. 1 WS 164	779.0	808.0	5.0	
24. 1 WS 82	862.0	812.0	5.0	
25. 1 SW COR	944.0	817.0	5.0	
26. 1 SW 82	974.0	751.0	5.0	
27. 1 SW 164	1019.0	663.0	5.0	
28. 1 SW MID	1093.0	507.0	5.0	
29. 2 164SE	836.0	1157.0	5.0	
30. 2 82SE	797.0	1234.0	5.0	
31. 2 SE COR	765.0	1311.0	5.0	
32. 2 ES 82	847.0	1322.0	5.0	
33. 2 ES 164	929.0	1324.0	5.0	
34. 2 ES MID	1166.0	1330.0	5.0	
35. 2 EN MID	954.0	1404.0	5.0	
36. 2 EN 164	855.0	1402.0	5.0	
37. 2 EN 82	762.0	1399.0	5.0	

1

JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXPM
DATE: 09/10/2012 TIME: 10:25:41.19

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
38. 2 NE COR	686.0	1399.0	5.0
39. 2 NE 82	613.0	1470.0	5.0
40. 2 NE 164	548.0	1539.0	5.0
41. 2 NE MID	427.0	1648.0	5.0
42. 2 NW MID	373.0	1622.0	5.0
43. 2 NW 164	503.0	1503.0	5.0
44. 2 NW 82	563.0	1446.0	5.0
45. 2 NW COR	597.0	1406.0	5.0
46. 2 WN 82	539.0	1402.0	5.0
47. 2 WN 164	453.0	1392.0	5.0
48. 2 WN MID	289.0	1394.0	5.0
49. 2 WS MID	310.0	1301.0	5.0
50. 2 WS 164	507.0	1308.0	5.0
51. 2 WS 82	587.0	1312.0	5.0
52. 2 SW COR	691.0	1314.0	5.0
53. 2 SW 82	732.0	1233.0	5.0
54. 2 SW 164	769.0	1158.0	5.0

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JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXPM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.2	.2	.5	.9	.8	.7	.7	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.8	.0	.0
5.	.2	.2	.5	.9	.8	.7	.7	.0	.0	.0	.0	.0	.0	.3	.3	.2	.2	.9	.0	.0
10.	.2	.2	.5	.8	.6	.7	.6	.0	.0	.0	.0	.0	.0	.3	.3	.2	.2	.9	.0	.0
15.	.2	.2	.5	.8	.6	.6	.6	.0	.0	.0	.0	.0	.0	.3	.3	.2	.2	.9	.0	.0
20.	.2	.2	.4	.8	.6	.6	.6	.0	.0	.0	.0	.0	.0	.2	.4	.2	.2	.9	.0	.0
25.	.2	.3	.4	.9	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.4	.1	.2	.9	.0	.0
30.	.2	.2	.4	.9	.7	.7	.8	.0	.0	.0	.0	.0	.0	.2	.4	.1	.2	.9	.0	.0
35.	.2	.2	.4	.8	.7	.7	.7	.1	.1	.1	.0	.0	.0	.2	.4	.1	.2	.9	.0	.0
40.	.2	.2	.4	.8	.7	.7	.7	.1	.1	.1	.0	.0	.0	.2	.4	.1	.1	.8	.0	.0
45.	.2	.2	.4	.8	.7	.7	.8	.1	.1	.1	.0	.0	.0	.2	.4	.1	.2	.9	.2	.0
50.	.2	.2	.4	1.0	.9	.8	.8	.1	.1	.1	.1	.0	.0	.2	.3	.1	.1	.8	.2	.0
55.	.2	.3	.4	.9	.9	.8	.9	.1	.1	.1	.1	.0	.0	.2	.4	.1	.1	.7	.2	.0
60.	.2	.3	.5	.9	.8	.9	.9	.1	.1	.1	.1	.0	.0	.2	.4	.1	.1	.7	.2	.0
65.	.2	.3	.4	.9	1.0	1.0	.8	.2	.2	.2	.1	.0	.0	.2	.4	.1	.1	.8	.3	.2
70.	.0	.2	.4	1.0	1.0	1.0	.9	.3	.2	.2	.2	.0	.0	.2	.5	.1	.1	.8	.4	.3
75.	.0	.2	.4	1.0	.9	1.0	.9	.4	.4	.4	.3	.0	.0	.2	.5	.1	.1	.8	.5	.4
80.	.0	.2	.3	.9	.9	.9	.9	.7	.7	.7	.7	.0	.0	.2	.5	.1	.2	1.3	.7	.6
85.	.0	.0	.2	.8	.8	.8	.7	.9	.8	.8	.9	.2	.0	.1	.4	.1	.3	1.3	1.1	.8
90.	.0	.0	.1	.7	.7	.7	.5	.9	1.0	1.0	1.2	.3	.0	.1	.3	.1	.5	1.5	1.2	1.0
95.	.0	.0	.0	.5	.5	.5	.4	1.1	1.1	1.2	1.3	.3	.1	.0	.3	.2	.6	1.6	1.3	1.3
100.	.0	.0	.0	.3	.3	.3	.2	1.1	1.1	1.2	1.4	.4	.3	.0	.3	.4	.7	1.6	1.2	1.2
105.	.0	.0	.0	.2	.2	.2	.2	1.1	1.1	1.2	1.3	.4	.3	.0	.3	.5	.7	1.5	1.3	1.1
110.	.0	.0	.0	.1	.1	.1	.1	1.1	1.0	1.2	1.3	.3	.3	.1	.3	.4	.8	1.4	1.1	1.1
115.	.0	.0	.0	.1	.1	.1	.1	1.0	1.0	1.2	1.2	.5	.3	.1	.5	.5	.8	1.3	1.0	1.3
120.	.0	.0	.0	.1	.1	.1	.1	1.0	.9	1.1	1.2	.5	.3	.2	.5	.5	.9	1.1	1.1	1.1
125.	.0	.0	.0	.1	.1	.1	.1	.9	.9	1.2	1.1	.5	.3	.2	.4	.5	.9	1.1	1.1	1.0
130.	.0	.0	.0	.0	.0	.1	.0	.9	.8	1.1	1.1	.5	.4	.2	.4	.5	1.0	1.1	1.0	.9
135.	.1	.0	.0	.0	.0	.0	.0	.8	.8	1.1	1.0	.4	.4	.2	.5	.5	.9	1.0	1.1	.9
140.	.1	.1	.1	.0	.0	.0	.0	.8	.8	1.1	1.0	.4	.4	.2	.4	.5	.7	1.1	1.0	1.0
145.	.1	.1	.1	.1	.0	.0	.0	.7	.8	1.1	1.0	.4	.3	.2	.4	.4	.8	1.2	1.0	.8
150.	.1	.1	.1	.1	.0	.0	.0	.7	.7	1.1	1.0	.5	.5	.2	.1	.5	.9	1.1	.9	.8
155.	.1	.1	.1	.2	.0	.0	.0	.7	.7	1.1	1.1	.7	.5	.3	.2	.5	.7	.9	.9	.8
160.	.2	.2	.2	.3	.0	.0	.0	.7	.7	1.1	1.2	.5	.5	.3	.2	.5	.7	1.0	.9	.7

165. *	.2	.2	.2	.4	.0	.0	.0	.7	.7	1.1	1.0	.6	.7	.3	.2	.3	.6	.9	.9	.7
170. *	.2	.2	.2	.4	.0	.0	.0	.8	.7	1.1	1.1	.8	.6	.4	.1	.3	.5	.9	.8	.6
175. *	.2	.2	.2	.5	.0	.0	.0	.8	.8	1.2	1.0	1.0	.6	.4	.0	.3	.4	.9	.8	.7
180. *	.2	.2	.2	.6	.0	.0	.0	.8	.8	1.3	1.0	.9	.6	.3	.0	.2	.4	1.0	.8	.7
185. *	.2	.2	.2	.6	.0	.0	.0	.7	.7	1.2	1.0	.9	.6	.3	.0	.2	.4	1.0	.7	.8
190. *	.2	.2	.2	.7	.0	.0	.0	.7	.7	1.2	.9	1.0	.6	.3	.0	.3	.4	1.0	.7	.7
195. *	.2	.2	.2	.7	.0	.0	.0	.7	.7	1.2	1.0	1.0	.5	.3	.0	.2	.4	1.0	.7	.7
200. *	.2	.2	.2	.7	.0	.0	.0	.7	.7	1.2	.9	1.0	.4	.3	.0	.1	.3	1.0	.7	.6
205. *	.2	.2	.2	.7	.0	.0	.0	.7	.7	1.2	1.0	1.0	.4	.3	.0	.1	.3	1.0	.7	.6

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JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXPM

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR) *	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.2	.2	.2	.7	.0	.0	.0	.8	.8	1.3	1.0	.9	.5	.4	.0	.1	.4	.9	.8	.6
215. *	.2	.2	.2	.7	.0	.0	.0	.8	1.0	1.3	1.0	.9	.4	.4	.1	.2	.3	.9	.8	.7
220. *	.2	.2	.2	.7	.1	.0	.0	.8	1.0	1.3	1.1	.8	.3	.4	.1	.2	.3	.9	.8	.7
225. *	.2	.2	.2	.7	.1	.1	.0	.9	1.0	1.3	1.2	.8	.3	.4	.0	.1	.2	.8	.8	.7
230. *	.2	.2	.2	.6	.2	.1	.1	.9	1.1	1.4	1.3	.7	.3	.4	.1	.1	.2	.9	.8	.7
235. *	.2	.2	.2	.7	.2	.1	.1	.9	1.2	1.4	1.2	.5	.4	.5	.1	.1	.1	.9	.8	.8
240. *	.2	.2	.2	.6	.3	.1	.1	1.0	1.3	1.4	1.2	.5	.3	.5	.2	.2	.3	.7	1.0	.7
245. *	.2	.2	.2	.6	.3	.2	.1	1.0	1.3	1.3	1.1	.6	.3	.5	.2	.1	.3	.7	.8	.7
250. *	.2	.2	.2	.6	.3	.3	.2	1.1	1.3	1.3	1.2	.4	.2	.5	.2	.1	.2	.7	.9	.8
255. *	.2	.2	.2	.7	.4	.3	.3	1.1	1.3	1.2	1.2	.4	.3	.5	.2	.1	.2	.7	.8	.8
260. *	.2	.2	.3	.6	.5	.5	.4	.9	1.2	1.3	1.1	.3	.2	.4	.1	.3	.2	.7	.8	.7
265. *	.2	.2	.3	.8	.7	.8	.5	.8	1.0	1.1	1.1	.2	.3	.4	.1	.2	.2	.5	.7	.9
270. *	.2	.2	.3	1.0	.8	.8	.7	.7	.8	.9	.9	.3	.4	.5	.1	.2	.2	.5	.8	1.0
275. *	.2	.2	.5	1.0	.8	1.0	.7	.5	.7	.5	.8	.3	.3	.5	.2	.2	.2	.5	.5	.8
280. *	.2	.2	.6	1.1	.8	1.1	.9	.4	.6	.5	.8	.3	.3	.5	.1	.1	.2	.5	.7	.9
285. *	.2	.2	.8	1.2	.9	1.0	.9	.2	.3	.5	.7	.3	.3	.4	.2	.1	.2	.3	.6	.7
290. *	.2	.3	.8	1.2	1.2	1.0	.8	.2	.1	.3	.8	.3	.3	.4	.2	.1	.1	.2	.6	.5
295. *	.2	.4	.9	1.1	1.1	1.0	.9	.1	.1	.2	.7	.3	.2	.4	.2	.0	.1	.1	.2	.5
300. *	.2	.6	1.0	1.0	.9	.9	.9	.1	.1	.1	.5	.2	.2	.4	.2	.0	.0	.1	.1	.5
305. *	.2	.6	1.0	1.0	1.0	.9	.9	.1	.1	.1	.5	.2	.2	.3	.2	.0	.0	.0	.1	.2
310. *	.2	.6	1.0	1.0	1.0	.8	.7	.1	.1	.1	.5	.2	.2	.2	.2	.0	.0	.0	.0	.2
315. *	.2	.6	.9	.9	.9	.8	.7	.1	.1	.1	.4	.2	.2	.3	.2	.0	.1	.1	.0	.1
320. *	.3	.7	.9	.9	.9	.8	.7	.1	.1	.1	.4	.2	.2	.4	.2	.0	.1	.2	.0	.1
325. *	.2	.5	.7	1.0	.9	.7	.7	.0	.0	.0	.3	.2	.2	.3	.2	.1	.1	.2	.0	.1
330. *	.2	.5	.7	1.0	.9	.7	.7	.0	.0	.0	.3	.2	.2	.2	.3	.1	.1	.2	.0	.0
335. *	.3	.5	.7	.7	.8	.6	.6	.0	.0	.0	.1	.1	.1	.3	.2	.1	.1	.3	.0	.0
340. *	.3	.5	.6	.7	.8	.6	.6	.0	.0	.0	.1	.1	.1	.3	.2	.1	.1	.6	.0	.0
345. *	.3	.3	.5	.8	.9	.7	.6	.0	.0	.0	.0	.0	.0	.4	.0	.1	.3	.7	.0	.0
350. *	.2	.3	.5	.9	.8	.7	.7	.0	.0	.0	.0	.0	.0	.4	.1	.1	.3	.8	.0	.0
355. *	.2	.3	.5	.9	.8	.7	.7	.0	.0	.0	.0	.0	.0	.3	.1	.2	.2	.7	.0	.0
360. *	.2	.2	.5	.9	.8	.7	.7	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.8	.0	.0
MAX *	.3	.7	1.0	1.2	1.2	1.1	.9	1.1	1.3	1.4	1.4	1.0	.7	.5	.5	.5	1.0	1.6	1.3	1.3
DEGR. *	320	320	300	285	290	280	55	95	240	230	100	175	165	235	70	105	130	95	95	95

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JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXPM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR) *	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0. *	.0	.6	.6	1.3	.9	.6	.6	.4	.0	.0	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
5. *	.0	.6	.5	1.3	.8	.6	.6	.4	.0	.0	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
10. *	.0	.6	.6	1.3	.9	.9	.6	.4	.0	.0	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
15. *	.0	.6	.6	1.3	1.0	.9	.5	.4	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
20. *	.0	.6	.6	1.3	.9	1.0	.4	.4	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
25. *	.0	.6	.6	1.3	.9	1.0	.4	.4	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
30. *	.0	.6	.8	1.4	.9	1.0	.4	.4	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
35. *	.0	.6	.8	1.3	.9	1.1	.4	.4	.0	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
40. *	.0	.6	.8	1.2	1.1	1.1	.4	.4	.0	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
45. *	.0	.6	.9	1.5	1.2	1.0	.4	.4	.0	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
50. *	.0	.6	1.1	1.4	1.2	1.0	.4	.4	.0	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
55. *	.0	.6	1.2	1.4	1.3	1.0	.5	.4	.0	.1	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0
60. *	.0	.7	1.0	1.5	1.2	.9	.5	.4	.0	.1	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0
65. *	.0	.7	1.3	1.5	1.2	1.0	.5	.3	.0	.1	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0
70. *	.0	.8	1.2	1.3	1.3	.9	.4	.2	.0	.1	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0
75. *	.1	1.1	1.4	1.4	1.3	.8	.4	.2	.0	.1	.3	.3	.3	.3	.1	.1	.1	.0	.0	.0
80. *	.1	1.0	1.2	1.3	1.2	.8	.4	.2	.0	.0	.2	.3	.3	.3	.1	.1	.1	.1	.0	.0
85. *	.2	1.0	1.0	1.1	1.2	.5	.2	.2	.0	.0	.2	.3	.3	.2	.2	.2	.2	.3	.0	.0
90. *	.3	1.0	.8	.8	1.0	.4	.2	.2	.0	.0	.1	.2	.2	.1	.2	.2	.2	.3	.0	.0
95. *	.5	.9	.5	.7	1.0	.3	.2	.2	.0	.0	.1	.1	.1	.1	.3	.3	.3	.3	.0	.0
100. *	.6	.6	.3	.3	.8	.2	.2	.2	.1	.0	.0	.1	.1	.1	.3	.3	.3	.5	.1	.0
105. *	.7	.4	.2	.3	.6	.2	.2	.2	.3	.1	.0	.0	.0	.0	.3	.3	.3	.5	.2	.0
110. *	.8	.1	.1	.2	.6	.2	.2	.2	.3	.2	.0	.1	.1	.0	.3	.3	.3	.5	.2	.0
115. *	.7	.1	.0	.1	.6	.2	.2	.2	.2	.2	.0	.1	.1	.1	.3	.3	.3	.4	.3	.0
120. *	.9	.1	.0	.1	.5	.2	.2	.2	.2	.2	.2	.2	.1	.1	.3	.3	.3	.4	.2	.0

125. *	.9	.0	.0	.0	.5	.2	.2	.2	.2	.2	.2	.2	.2	.1	.3	.2	.3	.5	.1	.0
130. *	.8	.0	.0	.0	.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	.3	.3	.5	.6	.2	.0
135. *	.8	.0	.0	.0	.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	.3	.4	.6	.4	.3	.2
140. *	.8	.0	.0	.0	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.4	.3	.5	.5	.2	.1
145. *	.8	.0	.0	.0	.3	.2	.2	.2	.2	.2	.1	.2	.2	.1	.4	.3	.5	.6	.1	.1
150. *	.7	.0	.0	.0	.3	.2	.2	.1	.3	.2	.1	.2	.2	.2	.4	.3	.6	.6	.1	.1
155. *	.9	.0	.0	.0	.2	.1	.1	.1	.5	.3	.3	.1	.2	.2	.3	.3	.6	.5	.1	.1
160. *	.8	.0	.0	.0	.1	.1	.1	.0	.5	.3	.2	.1	.2	.2	.3	.3	.5	.3	.2	.2
165. *	.8	.0	.0	.0	.1	.0	.0	.0	.4	.3	.3	.1	.1	.2	.3	.3	.6	.2	.2	.1
170. *	.8	.0	.0	.0	.0	.0	.0	.0	.6	.3	.4	.0	.1	.2	.3	.2	.6	.3	.2	.1
175. *	.8	.0	.0	.0	.0	.0	.0	.0	.5	.3	.4	.1	.1	.2	.3	.2	.6	.3	.2	.1
180. *	.6	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.1	.0	.2	.2	.2	.6	.3	.2	.1
185. *	.7	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.1	.1	.2	.2	.2	.6	.3	.2	.1
190. *	.7	.0	.0	.0	.0	.0	.0	.0	.4	.2	.3	.0	.1	.1	.2	.2	.6	.3	.2	.1
195. *	.7	.0	.0	.0	.0	.0	.0	.0	.4	.2	.3	.0	.1	.1	.2	.2	.6	.3	.2	.1
200. *	.7	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3	.0	.0	.1	.2	.2	.6	.4	.1	.2
205. *	.7	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3	.0	.0	.1	.2	.2	.6	.4	.1	.2

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JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXPM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210. *	.7	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3	.0	.0	.0	.2	.2	.6	.4	.2	.2
215. *	.7	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3	.0	.0	.0	.2	.2	.6	.5	.2	.2
220. *	.7	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3	.0	.0	.0	.2	.2	.6	.6	.2	.2
225. *	.7	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3	.0	.0	.0	.2	.2	.5	.6	.3	.2
230. *	.7	.0	.0	.0	.1	.0	.0	.0	.3	.2	.3	.0	.0	.0	.2	.3	.6	.6	.3	.2
235. *	.7	.0	.0	.0	.1	.0	.0	.0	.2	.2	.4	.0	.0	.0	.2	.4	.7	.6	.3	.2
240. *	.7	.0	.0	.0	.1	.0	.0	.0	.3	.2	.4	.1	.0	.0	.2	.4	.6	.5	.2	.2
245. *	.7	.0	.0	.1	.1	.0	.0	.0	.3	.3	.3	.1	.1	.0	.4	.4	.6	.5	.2	.1
250. *	.7	.0	.0	.1	.2	.0	.0	.0	.2	.3	.2	.1	.1	.0	.4	.5	.6	.5	.2	.1
255. *	.8	.0	.0	.1	.3	.0	.0	.0	.3	.3	.2	.1	.1	.0	.4	.4	.6	.5	.1	.1
260. *	.8	.0	.1	.2	.5	.0	.0	.0	.4	.3	.3	.1	.2	.1	.3	.4	.6	.4	.1	.1
265. *	.8	.0	.1	.2	.5	.0	.0	.0	.4	.3	.4	.3	.2	.1	.1	.3	.3	.3	.1	.1
270. *	.9	.0	.3	.3	.7	.0	.0	.0	.3	.3	.4	.2	.1	.2	.1	.2	.2	.2	.1	.1
275. *	.9	.0	.3	.6	1.0	.0	.0	.0	.3	.3	.3	.3	.1	.3	.1	.2	.0	.2	.1	.1
280. *	.9	.1	.5	.8	1.1	.1	.0	.0	.3	.2	.4	.3	.3	.3	.0	.0	.0	.1	.1	.1
285. *	1.0	.2	.6	.9	1.4	.2	.0	.0	.3	.4	.4	.3	.4	.3	.0	.0	.0	.1	.1	.1
290. *	1.0	.3	.9	1.3	1.5	.3	.0	.0	.2	.4	.5	.3	.4	.3	.0	.0	.0	.1	.1	.1
295. *	1.0	.4	.9	1.4	1.4	.5	.0	.0	.2	.4	.4	.3	.3	.3	.0	.0	.0	.1	.1	.1
300. *	.9	.6	1.0	1.2	1.5	.6	.2	.0	.2	.5	.4	.3	.3	.3	.0	.0	.0	.1	.1	.1
305. *	.8	.6	1.1	1.2	1.2	.7	.4	.0	.2	.4	.2	.3	.2	.2	.0	.0	.0	.1	.1	.1
310. *	.6	.8	.9	1.2	1.1	.6	.3	.0	.2	.3	.4	.3	.2	.2	.0	.0	.0	.1	.1	.1
315. *	.5	.9	.8	1.1	1.0	.6	.3	.0	.2	.3	.4	.3	.2	.2	.0	.0	.0	.1	.1	.0
320. *	.3	.9	.6	1.2	1.0	.6	.3	.0	.2	.2	.4	.3	.2	.2	.0	.0	.0	.1	.1	.0
325. *	.2	.9	.5	1.1	1.0	.6	.3	.1	.2	.2	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
330. *	.2	.7	.5	1.1	1.1	.5	.4	.1	.1	.3	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
335. *	.1	.7	.6	1.1	.9	.5	.5	.1	.1	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
340. *	.1	.7	.6	1.1	1.1	.6	.5	.2	.0	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
345. *	.1	.7	.6	1.2	1.0	.6	.5	.3	.0	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
350. *	.1	.6	.6	1.2	1.0	.6	.5	.4	.0	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
355. *	.0	.6	.6	1.2	.9	.6	.6	.4	.0	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
360. *	.0	.6	.6	1.3	.9	.6	.6	.4	.0	.0	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
MAX *	1.0	1.1	1.4	1.5	1.5	1.1	.6	.4	.6	.5	.5	.3	.4	.3	.4	.5	.7	.6	.3	.2
DEGR. *	285	75	75	45	290	35	0	0	170	300	290	55	285	55	140	250	235	130	115	135

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JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXPM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54
0. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.4	.3	.2	.2
5. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.4	.3	.3	.2
10. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.4	.3	.4	.2
15. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.5	.4	.4	.2
20. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.5	.5	.4	.2
25. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.5	.4	.3	.1
30. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.6	.3	.3	.1
35. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.6	.4	.3	.1
40. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.6	.4	.3	.1
45. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.6	.4	.3	.1
50. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.3	.5	.4	.3	.1
55. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.3	.5	.4	.3	.1
60. *	.0	.1	.1	.1	.1	.0	.0	.0	.3	.3	.5	.3	.3	.1
65. *	.0	.1	.1	.1	.1	.0	.0	.0	.3	.2	.6	.3	.3	.1
70. *	.0	.1	.1	.1	.1	.0	.0	.0	.3	.2	.6	.4	.2	.1

75.	*	.0	.1	.1	.1	.1	.0	.0	.0	.3	.3	.6	.4	.2	.1
80.	*	.0	.1	.1	.1	.1	.0	.0	.0	.1	.4	.5	.3	.1	.1
85.	*	.0	.1	.1	.1	.2	.1	.1	.0	.1	.4	.4	.2	.1	.1
90.	*	.0	.1	.1	.1	.4	.2	.1	.1	.1	.3	.4	.3	.1	.1
95.	*	.0	.1	.1	.2	.4	.2	.2	.2	.1	.2	.1	.2	.2	.1
100.	*	.0	.1	.1	.3	.4	.3	.3	.2	.0	.0	.0	.2	.2	.3
105.	*	.0	.1	.1	.3	.4	.4	.3	.2	.0	.0	.0	.1	.3	.5
110.	*	.0	.1	.1	.4	.4	.3	.3	.2	.0	.0	.0	.3	.4	.4
115.	*	.0	.1	.1	.2	.5	.3	.3	.2	.1	.2	.2	.3	.4	.4
120.	*	.0	.1	.1	.1	.1	.4	.3	.2	.0	.2	.2	.5	.4	.4
125.	*	.0	.1	.1	.2	.4	.4	.3	.2	.0	.1	.2	.5	.4	.4
130.	*	.1	.1	.2	.2	.4	.4	.3	.2	.0	.1	.1	.5	.4	.4
135.	*	.1	.0	.1	.2	.4	.4	.2	.2	.0	.0	.1	.5	.4	.4
140.	*	.1	.0	.1	.1	.4	.3	.2	.2	.0	.0	.0	.3	.5	.4
145.	*	.1	.0	.1	.1	.4	.3	.2	.2	.1	.0	.0	.3	.3	.4
150.	*	.1	.0	.1	.1	.4	.3	.2	.2	.2	.0	.0	.1	.2	.4
155.	*	.1	.0	.0	.2	.4	.3	.2	.3	.2	.0	.0	.1	.2	.2
160.	*	.1	.0	.0	.2	.4	.2	.2	.3	.3	.0	.0	.2	.2	.4
165.	*	.1	.0	.0	.2	.4	.2	.2	.4	.3	.0	.0	.1	.2	.4
170.	*	.1	.0	.0	.2	.4	.2	.2	.4	.3	.0	.0	.0	.2	.2
175.	*	.1	.0	.0	.1	.4	.2	.2	.4	.3	.1	.0	.0	.0	.2
180.	*	.1	.1	.0	.1	.4	.2	.2	.5	.3	.1	.0	.0	.0	.3
185.	*	.2	.1	.0	.1	.3	.2	.3	.5	.3	.1	.0	.0	.1	.1
190.	*	.2	.1	.0	.1	.3	.2	.3	.5	.3	.1	.1	.0	.0	.1
195.	*	.2	.1	.1	.1	.3	.2	.4	.5	.3	.2	.1	.0	.0	.1
200.	*	.2	.1	.1	.2	.3	.3	.4	.5	.3	.1	.1	.0	.1	.1
205.	*	.2	.1	.1	.2	.2	.3	.4	.4	.3	.2	.1	.0	.1	.2

1

JOB: S4 US40 & FRANKLIN EX RUN: S4 US40 & FRANK EXPM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54
210.	*	.2	.1	.1	.2	.3	.3	.4	.4	.3	.2	.1	.1	.0	.1
215.	*	.2	.1	.2	.2	.3	.4	.4	.4	.3	.2	.1	.0	.1	.1
220.	*	.2	.1	.1	.3	.3	.4	.4	.5	.3	.2	.2	.0	.1	.1
225.	*	.2	.1	.1	.3	.4	.4	.4	.4	.3	.2	.2	.1	.1	.1
230.	*	.1	.0	.1	.3	.4	.4	.4	.4	.3	.2	.2	.1	.1	.1
235.	*	.1	.0	.1	.3	.4	.4	.4	.4	.3	.2	.2	.1	.1	.1
240.	*	.1	.0	.1	.3	.3	.4	.4	.4	.3	.2	.2	.2	.1	.1
245.	*	.1	.0	.1	.3	.3	.3	.3	.3	.3	.2	.2	.2	.2	.1
250.	*	.1	.0	.0	.1	.3	.3	.3	.3	.3	.2	.2	.1	.2	.1
255.	*	.1	.0	.0	.1	.3	.3	.3	.2	.3	.2	.3	.1	.2	.2
260.	*	.1	.0	.0	.0	.3	.3	.3	.2	.4	.2	.2	.2	.2	.2
265.	*	.1	.0	.0	.0	.1	.1	.3	.2	.4	.2	.2	.3	.1	.2
270.	*	.1	.0	.0	.0	.1	.1	.1	.0	.3	.2	.2	.3	.1	.2
275.	*	.1	.0	.0	.0	.0	.0	.1	.0	.2	.2	.4	.5	.1	.1
280.	*	.1	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3	.5	.1	.1
285.	*	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	.5	.1	.1
290.	*	.1	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.5	.1	.0
295.	*	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	.5	.1	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.3	.4	.2	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.4	.2	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.4	.2	.0
315.	*	.0	.0	.1	.1	.0	.0	.0	.0	.2	.2	.2	.3	.2	.0
320.	*	.0	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.4	.1	.0
325.	*	.0	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.4	.2	.1
330.	*	.0	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.2	.2	.1
335.	*	.0	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.2	.1	.1
340.	*	.0	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.2	.1	.1
345.	*	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.3	.2	.1	.1
350.	*	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.3	.2	.1	.1
355.	*	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.3	.2	.2	.1
360.	*	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.4	.3	.2	.2
MAX	*	.2	.1	.2	.4	.5	.4	.4	.5	.4	.4	.6	.5	.5	.5
DEGR.	*	185	0	130	110	115	105	195	180	260	80	30	20	140	105

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 95 DEGREES FROM REC18.
THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 45 DEGREES FROM REC24.
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 290 DEGREES FROM REC25.

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S4 US40 & FRANKLIN NB                   60.0321.0.0000.000540.30480000    1    1
1 SE MID                 1157.      534.        5.
2 SE 164                 1085.      679.        5.
1 SE 82                  1050.      751.        5.
1 SE COR                 1018.      818.        5.
1 ES 82                  1090.      823.        5.
1 ES 164                 1172.      828.        5.
1 ES MID                 1379.      839.        5.
1 EN MID                 1369.      941.        5.
1 EN 164                 1132.      929.        5.
1 EN 82                  1050.      925.        5.
1 NE COR                  956.      923.        5.
1 NE 82                   914.     1003.        5.
1 NE 164                  877.     1076.        5.
1 NE MID                  769.     1287.        5.
1 NW MID                  712.     1275.        5.
1 NW 164                  802.     1089.        5.
1 NW 82                   853.      999.        5.
1 NW COR                  892.      923.        5.
1 WN 82                   806.      915.        5.
1 WN 164                  724.      916.        5.
1 WN MID                  514.      983.        5.
1 WS MID                  564.      842.        5.
1 WS 164                  779.      808.        5.
1 WS 82                   862.      812.        5.
1 SW COR                  944.      817.        5.
1 SW 82                   974.      751.        5.
1 SW 164                 1019.      663.        5.
1 SW MID                 1093.      507.        5.
2 164SE                   836.     1157.        5.
2 82SE                    797.     1234.        5.
2 SE COR                  765.     1311.        5.
2 ES 82                   847.     1322.        5.
2 ES 164                  929.     1324.        5.
2 ES MID                 1166.     1330.        5.
2 EN MID                  954.     1404.        5.
2 EN 164                  855.     1402.        5.
2 EN 82                   762.     1399.        5.
2 NE COR                  686.     1399.        5.
2 NE 82                   613.     1470.        5.
2 NE 164                  548.     1539.        5.
2 NE MID                  427.     1648.        5.
2 NW MID                  373.     1622.        5.
2 NW 164                  503.     1503.        5.
2 NW 82                   563.     1446.        5.
2 NW COR                  597.     1406.        5.
2 WN 82                   539.     1402.        5.
2 WN 164                  453.     1392.        5.
2 WN MID                  289.     1394.        5.
2 WS MID                  310.     1301.        5.
2 WS 164                  507.     1308.        5.
2 WS 82                   587.     1312.        5.
2 SW COR                  691.     1314.        5.
2 SW 82                   732.     1233.        5.
2 SW 164                  769.     1158.        5.
S4 US40 & FRANK NB2035AM                 31  1   0
  1
FRANK     NB LTR    AG  1430.   -35.   972.   848.    160. 8.2  0. 44.   25.
  2
FRANK     NB LTR    AG   993.   806.  1096.   608.      0. 24.   2
       110        82         3  160   43.6 1302 1 3
  1
FRAED     NB LTR    AG   972.   848.   718.  1342.    205. 8.2  0. 32.   25.
  2
FRAED     NB LTR    AG   741.  1296.   815.  1154.      0. 12.   1
       110        60         3  205   43.6 1776 1 3
  1
FRANK     NB D      AG   718.  1342.   352.  1682.    205. 8.2  0. 32.   25.
  1
FRANK     SB LTR    AG   719.  1304.   933.   885.    460. 8.2  0. 44.   25.
  2
FRANK     SB LTR    AG   914.   923.   798.  1149.      0. 24.   2
       110        82         3  460   43.6 1523 1 3
  1
FRANK     SB D      AG   933.   885.  1400.   -39.    375. 8.2  0. 32.   25.
  1
US40      EB LTR    AG    41.  1280.   424.   948.   2555. 8.1  0. 56.   35.
  1
US40      EB LTR    AG   424.   948.   531.   888.   2555. 8.1  0. 56.   35.
  1
US40      EB LTR    AG   531.   888.   660.   848.   2555. 8.1  0. 56.   35.
  1
US40      EB LTR    AG   660.   848.   719.   841.   2555. 8.1  0. 56.   35.
  1
US40      EB LTR    AG   719.   841.   960.   842.   2555. 8.1  0. 56.   35.
  2
US40      EB LTR    AG   919.   842.   798.   841.      0. 36.   3
       110        46         6 2555   43.6 1636 1 3
  1
US40      EB D      AG   960.   842.  1972.   900.   2715. 8.1  0. 56.   35.
  1
US40      WB LTR    AG  1967.   941.  1453.   918.   1060. 8.1  0. 56.   35.
  1
US40      WB TR     AG  1453.   918.   942.   891.    990. 8.1  0. 56.   35.
  2
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US40      WB TR     AG   982.   893.  1280.   909.      0. 36.   3
       110        39         3  990   43.6 1728 1 3
  1
US40      WB L      AG  1441.   895.   953.   870.     70. 8.1  0. 32.   35.
  2
US40      WB L      AG   995.   872.  1367.   891.      0. 12.   1
       110        43         3   70   43.6  124 1 3
  1
US40      WB D      AG   942.   891.   763.   884.    940. 8.1  0. 56.   35.
  1
US40      WB D      AG   763.   884.   652.   895.    940. 8.1  0. 56.   35.
  1
US40      WB D      AG   652.   895.   543.   932.    940. 8.1  0. 56.   35.
  1
US40      WB D      AG   543.   932.   424.  1006.    940. 8.1  0. 56.   35.
  1
US40      WB D      AG   424.  1006.    48.  1341.    940. 8.1  0. 56.   35.
  1
EDMO      EB LTR    AG    49.  1321.   703.  1345.    735. 8.1  0. 44.   30.
  2
EDMO      EB LTR    AG   653.  1343.   417.  1334.      0. 24.   2
       110        59         3  735   43.6 1413 1 3
  1
EDMO      EB D      AG   703.  1345.  1845.  1379.    380. 8.1  0. 44.   30.
  1
EDMO      WB LTR    AG  1815.  1406.   679.  1368.    390. 8.1  0. 44.   30.
  2
EDMO      WB LTR    AG   723.  1370.   984.  1378.      0. 24.   2
       110        59         3  390   43.6 1336 1 3
  1
EDMO      WB D      AG   679.  1368.    48.  1353.    285. 8.1  0. 44.   30.
1.0   04  1000   0Y  5  0 72
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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM
DATE: 09/10/2012 TIME: 10:48:48.16

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. FRANK NB LTR	1430.0	-35.0	972.0	848.0	995.	333.	AG	160.	8.2	.0	44.0		
2. FRANK NB LTR	993.0	806.0	1009.6	774.2	36.	153.	AG	174.	100.0	.0	24.0	.26	1.8
3. FRAED NB LTR	972.0	848.0	718.0	1342.0	555.	333.	AG	205.	8.2	.0	32.0		
4. FRAED NB LTR	741.0	1296.0	772.1	1236.4	67.	152.	AG	64.	100.0	.0	12.0	.27	3.4
5. FRANK NB D	718.0	1342.0	352.0	1682.0	500.	313.	AG	205.	8.2	.0	32.0		
6. FRANK SB LTR	719.0	1304.0	933.0	885.0	470.	153.	AG	460.	8.2	.0	44.0		
7. FRANK SB LTR	914.0	923.0	866.9	1014.7	103.	333.	AG	174.	100.0	.0	24.0	.65	5.2
8. FRANK SB D	933.0	885.0	1400.0	-39.0	1035.	153.	AG	375.	8.2	.0	32.0		
9. US40 EB LTR	41.0	1280.0	424.0	948.0	507.	131.	AG	2555.	8.1	.0	56.0		
10. US40 EB LTR	424.0	948.0	531.0	888.0	123.	119.	AG	2555.	8.1	.0	56.0		
11. US40 EB LTR	531.0	888.0	660.0	848.0	135.	107.	AG	2555.	8.1	.0	56.0		
12. US40 EB LTR	660.0	848.0	719.0	841.0	59.	97.	AG	2555.	8.1	.0	56.0		
13. US40 EB LTR	719.0	841.0	960.0	842.0	241.	90.	AG	2555.	8.1	.0	56.0		
14. US40 EB LTR	919.0	842.0	645.5	839.7	273.	270.	AG	147.	100.0	.0	36.0	.93	13.9
15. US40 EB D	960.0	842.0	1972.0	900.0	1014.	87.	AG	2715.	8.1	.0	56.0		
16. US40 WB LTR	1967.0	941.0	1453.0	918.0	515.	267.	AG	1060.	8.1	.0	56.0		
17. US40 WB TR	1453.0	918.0	942.0	891.0	512.	267.	AG	990.	8.1	.0	56.0		
18. US40 WB TR	982.0	893.0	1052.3	896.8	70.	87.	AG	124.	100.0	.0	36.0	.31	3.6
19. US40 WB L	1441.0	895.0	953.0	870.0	489.	267.	AG	70.	8.1	.0	32.0		
20. US40 WB L	995.0	872.0	1046.6	874.6	52.	87.	AG	46.	100.0	.0	12.0	.97	2.6
21. US40 WB D	942.0	891.0	763.0	884.0	179.	268.	AG	940.	8.1	.0	56.0		
22. US40 WB D	763.0	884.0	652.0	895.0	112.	276.	AG	940.	8.1	.0	56.0		
23. US40 WB D	652.0	895.0	543.0	932.0	115.	289.	AG	940.	8.1	.0	56.0		
24. US40 WB D	543.0	932.0	424.0	1006.0	140.	302.	AG	940.	8.1	.0	56.0		
25. US40 WB D	424.0	1006.0	48.0	1341.0	504.	312.	AG	940.	8.1	.0	56.0		
26. EDMO EB LTR	49.0	1321.0	703.0	1345.0	654.	88.	AG	735.	8.1	.0	44.0		
27. EDMO EB LTR	653.0	1343.0	534.7	1338.5	118.	268.	AG	125.	100.0	.0	24.0	.59	6.0
28. EDMO EB D	703.0	1345.0	1845.0	1379.0	1143.	88.	AG	380.	8.1	.0	44.0		
29. EDMO WB LTR	1815.0	1406.0	679.0	1368.0	1137.	268.	AG	390.	8.1	.0	44.0		
30. EDMO WB LTR	723.0	1370.0	785.9	1371.9	63.	88.	AG	125.	100.0	.0	24.0	.33	3.2
31. EDMO WB D	679.0	1368.0	48.0	1353.0	631.	269.	AG	285.	8.1	.0	44.0		

JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM
DATE: 09/10/2012 TIME: 10:48:48.16

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. FRANK NB LTR	110	82	.3	160	1302	43.60	1	3
4. FRAED NB LTR	110	60	.3	205	1776	43.60	1	3
7. FRANK SB LTR	110	82	.3	460	1523	43.60	1	3
14. US40 EB LTR	110	46	.6	2555	1636	43.60	1	3
18. US40 WB TR	110	39	.3	990	1728	43.60	1	3
20. US40 WB L	110	43	.3	70	124	43.60	1	3
27. EDMO EB LTR	110	59	.3	735	1413	43.60	1	3
30. EDMO WB LTR	110	59	.3	390	1336	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. 1 SE MID	1157.0	534.0	5.0
2. 2 SE 164	1085.0	679.0	5.0
3. 1 SE 82	1050.0	751.0	5.0
4. 1 SE COR	1018.0	818.0	5.0
5. 1 ES 82	1090.0	823.0	5.0
6. 1 ES 164	1172.0	828.0	5.0
7. 1 ES MID	1379.0	839.0	5.0
8. 1 EN MID	1369.0	941.0	5.0
9. 1 EN 164	1132.0	929.0	5.0
10. 1 EN 82	1050.0	925.0	5.0
11. 1 NE COR	956.0	923.0	5.0
12. 1 NE 82	914.0	1003.0	5.0
13. 1 NE 164	877.0	1076.0	5.0
14. 1 NE MID	769.0	1287.0	5.0
15. 1 NW MID	712.0	1275.0	5.0
16. 1 NW 164	802.0	1089.0	5.0
17. 1 NW 82	853.0	999.0	5.0
18. 1 NW COR	892.0	923.0	5.0
19. 1 WN 82	806.0	915.0	5.0
20. 1 WN 164	724.0	916.0	5.0
21. 1 WN MID	514.0	983.0	5.0

22. 1 WS MID	564.0	842.0	5.0	
23. 1 WS 164	779.0	808.0	5.0	
24. 1 WS 82	862.0	812.0	5.0	
25. 1 SW COR	944.0	817.0	5.0	
26. 1 SW 82	974.0	751.0	5.0	
27. 1 SW 164	1019.0	663.0	5.0	
28. 1 SW MID	1093.0	507.0	5.0	
29. 2 164SE	836.0	1157.0	5.0	
30. 2 82SE	797.0	1234.0	5.0	
31. 2 SE COR	765.0	1311.0	5.0	
32. 2 ES 82	847.0	1322.0	5.0	
33. 2 ES 164	929.0	1324.0	5.0	
34. 2 ES MID	1166.0	1330.0	5.0	
35. 2 EN MID	954.0	1404.0	5.0	
36. 2 EN 164	855.0	1402.0	5.0	
37. 2 EN 82	762.0	1399.0	5.0	

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM
DATE: 09/10/2012 TIME: 10:48:48.16

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
38. 2 NE COR	686.0	1399.0	5.0
39. 2 NE 82	613.0	1470.0	5.0
40. 2 NE 164	548.0	1539.0	5.0
41. 2 NE MID	427.0	1648.0	5.0
42. 2 NW MID	373.0	1622.0	5.0
43. 2 NW 164	503.0	1503.0	5.0
44. 2 NW 82	563.0	1446.0	5.0
45. 2 NW COR	597.0	1406.0	5.0
46. 2 WN 82	539.0	1402.0	5.0
47. 2 WN 164	453.0	1392.0	5.0
48. 2 WN MID	289.0	1394.0	5.0
49. 2 WS MID	310.0	1301.0	5.0
50. 2 WS 164	507.0	1308.0	5.0
51. 2 WS 82	587.0	1312.0	5.0
52. 2 SW COR	691.0	1314.0	5.0
53. 2 SW 82	732.0	1233.0	5.0
54. 2 SW 164	769.0	1158.0	5.0

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.3	.5	1.1	.8	.8	.8	.0	.0	.0	.0	.0	.0	.2	.2	.2	.3	.9	.1	.0
5.	.1	.3	.4	1.0	.8	.8	.8	.0	.0	.0	.0	.0	.0	.3	.2	.2	.3	.8	.1	.0
10.	.1	.3	.4	1.0	.8	.8	.8	.0	.0	.0	.0	.0	.0	.3	.2	.2	.3	.8	.1	.0
15.	.1	.3	.4	.9	.8	.8	.8	.0	.0	.0	.0	.0	.0	.2	.2	.1	.3	.8	.1	.0
20.	.1	.3	.4	.9	.8	.8	.8	.0	.0	.0	.0	.0	.0	.1	.3	.1	.2	.7	.2	.0
25.	.1	.3	.4	.9	.8	.8	.8	.0	.0	.0	.0	.0	.0	.2	.3	.1	.2	.7	.2	.0
30.	.2	.3	.4	.9	.8	.9	.8	.0	.0	.0	.0	.0	.0	.2	.3	.1	.3	.7	.2	.0
35.	.2	.3	.5	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.2	.3	.1	.3	.7	.2	.0
40.	.2	.3	.5	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.2	.3	.1	.4	.6	.2	.0
45.	.2	.4	.5	1.1	1.1	1.1	1.1	.0	.0	.0	.0	.0	.0	.2	.4	.1	.4	.6	.3	.0
50.	.2	.4	.5	1.1	1.1	1.1	1.1	.0	.0	.0	.0	.0	.0	.2	.3	.1	.5	.6	.3	.0
55.	.1	.3	.5	1.2	1.2	1.2	1.1	.0	.0	.0	.0	.0	.0	.2	.4	.1	.5	.6	.3	.1
60.	.1	.3	.5	1.2	1.2	1.2	1.1	.0	.1	.1	.0	.0	.0	.2	.4	.1	.5	.6	.3	.1
65.	.1	.2	.5	1.3	1.3	1.2	1.3	.1	.1	.1	.1	.0	.0	.2	.4	.1	.6	.6	.3	.1
70.	.1	.2	.5	1.3	1.3	1.4	1.3	.2	.1	.1	.1	.0	.0	.2	.4	.1	.6	.7	.4	.1
75.	.0	.2	.4	1.3	1.4	1.4	1.4	.3	.3	.3	.2	.0	.0	.2	.4	.1	.6	.7	.5	.3
80.	.0	.1	.3	1.3	1.4	1.4	1.2	.3	.4	.3	.4	.0	.0	.2	.3	.1	.6	.7	.5	.4
85.	.0	.1	.2	1.2	1.3	1.2	1.1	.6	.6	.6	.6	.1	.0	.1	.3	.1	.7	.9	.6	.6
90.	.0	.0	.1	.9	.9	.9	1.0	.7	.7	.7	.7	.1	.1	.0	.2	.2	.8	1.1	.7	.7
95.	.0	.0	.1	.7	.7	.7	.7	.8	.9	.9	1.0	.3	.1	.0	.2	.2	1.0	1.1	1.0	.8
100.	.0	.0	.0	.5	.5	.5	.5	.8	1.0	.9	1.1	.3	.1	.0	.2	.2	1.0	1.1	.9	1.0
105.	.0	.0	.0	.3	.4	.4	.3	1.0	.9	.9	1.1	.4	.3	.1	.3	.3	1.1	1.2	.8	.9
110.	.0	.0	.0	.2	.2	.3	.2	.9	.9	.9	1.1	.4	.3	.1	.4	.4	1.2	1.0	1.0	1.0
115.	.0	.0	.0	.2	.2	.2	.2	.9	.9	.9	1.0	.4	.3	.1	.4	.5	1.2	1.0	1.0	1.0
120.	.0	.0	.0	.1	.1	.1	.1	.9	.8	.8	.9	.4	.3	.1	.5	.6	1.3	1.1	.9	1.1
125.	.0	.0	.0	.1	.1	.1	.1	.9	.8	.8	.9	.5	.3	.1	.5	.6	1.2	.9	.9	.9
130.	.0	.0	.0	.1	.1	.1	.1	.7	.7	.7	.9	.5	.3	.1	.4	.6	1.2	1.0	1.0	.9
135.	.0	.0	.0	.1	.1	.1	.1	.7	.7	.7	.9	.4	.3	.1	.4	.5	1.2	.9	.9	.9
140.	.0	.0	.0	.1	.1	.1	.1	.7	.7	.7	.9	.4	.3	.1	.4	.6	1.2	.9	.9	.9
145.	.1	.0	.0	.1	.1	.1	.1	.7	.7	.7	.8	.4	.4	.1	.3	.6	1.0	.7	.8	.9
150.	.1	.1	.1	.0	.1	.1	.1	.6	.6	.6	.8	.4	.4	.3	.4	.4	.9	.9	.8	.8
155.	.2	.2	.2	.2	.0	.0	.0	.6	.6	.7	.8	.6	.6	.3	.3	.6	1.0	.9	.8	.8
160.	.2	.2	.2	.2	.0	.0	.0	.6	.6	.7	.9	.7	.6	.3	.2	.5	.7	.8	.8	.8

165. *	.2	.2	.2	.3	.0	.0	.0	.6	.6	.7	.9	.8	.6	.4	.3	.5	.6	.8	.8	.8
170. *	.2	.2	.2	.3	.0	.0	.0	.7	.7	.8	.9	.8	.7	.5	.3	.4	.6	.7	.8	.8
175. *	.2	.2	.2	.3	.0	.0	.0	.7	.7	.9	.8	.9	.8	.5	.3	.4	.4	.8	.9	.8
180. *	.2	.2	.2	.4	.0	.0	.0	.7	.7	.9	.8	.8	.8	.5	.2	.3	.4	.8	.9	.8
185. *	.2	.2	.2	.4	.0	.0	.0	.7	.7	.9	.7	.9	.8	.5	.0	.2	.4	.8	.8	.9
190. *	.2	.2	.2	.5	.0	.0	.0	.6	.6	.9	.9	.9	.8	.3	.1	.2	.4	.8	.8	.8
195. *	.2	.2	.2	.4	.0	.0	.0	.6	.6	1.0	1.0	1.0	.8	.3	.1	.2	.4	.8	.8	.8
200. *	.2	.2	.1	.5	.0	.0	.0	.6	.6	1.0	.8	1.0	.6	.4	.1	.3	.4	.8	.8	.8
205. *	.1	.1	.1	.6	.1	.1	.1	.7	.7	1.1	.7	1.0	.5	.4	.0	.4	.4	.8	.8	.7

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.1	.1	.1	.6	.1	.1	.1	.7	.7	1.3	.9	1.0	.5	.3	.1	.3	.4	.8	.8	.8
215. *	.1	.1	.1	.6	.1	.1	.1	.7	.7	1.1	1.1	1.0	.4	.3	.1	.1	.5	.8	.8	.8
220. *	.1	.1	.1	.6	.1	.1	.1	.7	.7	1.1	1.1	1.0	.5	.3	.1	.1	.4	.8	.9	.7
225. *	.1	.1	.1	.6	.1	.1	.1	.7	.7	1.3	1.1	1.0	.4	.3	.1	.1	.5	.9	.9	.7
230. *	.1	.1	.1	.5	.2	.1	.1	.8	.9	1.2	1.1	.9	.3	.4	.1	.1	.5	.8	.8	.8
235. *	.1	.1	.1	.5	.2	.1	.1	.8	.8	1.2	1.1	1.1	.3	.4	.1	.2	.4	.9	.9	.7
240. *	.1	.1	.1	.5	.3	.2	.2	.9	.9	1.2	1.0	.9	.3	.4	.1	.2	.3	.9	.8	.8
245. *	.1	.1	.1	.5	.3	.2	.2	.8	.9	1.2	1.0	.8	.4	.4	.1	.1	.1	.8	.8	.7
250. *	.1	.1	.1	.6	.5	.3	.4	.9	.9	1.2	1.2	.7	.3	.4	.1	.2	.2	.9	.7	.7
255. *	.1	.1	.1	.7	.7	.6	.5	.8	.9	1.0	1.1	.7	.3	.4	.1	.1	.2	.7	.7	.7
260. *	.1	.1	.1	.9	.9	.8	.8	.8	.9	.9	.8	.7	.3	.4	.1	.1	.3	.7	.7	.6
265. *	.1	.1	.1	1.2	1.0	1.0	1.1	.7	.7	.8	.8	.6	.3	.5	.1	.1	.2	.7	.5	.6
270. *	.1	.1	.3	1.2	1.2	1.2	1.2	.5	.6	.8	1.0	.6	.3	.5	.2	.1	.1	.5	.6	.6
275. *	.1	.1	.3	1.5	1.3	1.3	1.3	.3	.6	.5	.6	.6	.3	.5	.1	.1	.1	.4	.6	.6
280. *	.1	.1	.6	1.6	1.4	1.5	1.3	.2	.3	.3	.7	.5	.3	.5	.2	.1	.1	.2	.4	.6
285. *	.2	.3	.7	1.7	1.5	1.5	1.3	.1	.3	.3	.6	.5	.3	.5	.2	.1	.1	.1	.1	.6
290. *	.2	.5	.8	1.5	1.6	1.4	1.2	.1	.3	.4	.6	.5	.2	.5	.2	.1	.1	.1	.1	.6
295. *	.2	.5	1.0	1.3	1.6	1.3	1.2	.1	.0	.2	.6	.3	.2	.5	.2	.0	.1	.1	.1	.4
300. *	.4	.6	1.1	1.4	1.3	1.1	1.1	.0	.0	.2	.6	.3	.2	.3	.2	.0	.0	.1	.1	.2
305. *	.5	.6	.9	1.3	1.2	1.2	1.1	.0	.0	.1	.5	.3	.2	.3	.2	.0	.0	.0	.1	.1
310. *	.4	.6	1.0	1.3	1.1	1.0	1.0	.0	.0	.0	.5	.2	.2	.2	.2	.0	.1	.1	.0	.1
315. *	.4	.7	1.1	1.2	1.1	1.0	1.0	.0	.0	.0	.5	.2	.2	.2	.2	.0	.1	.2	.0	.0
320. *	.3	.6	.6	1.1	1.0	.9	1.0	.0	.0	.0	.4	.2	.2	.1	.2	.1	.1	.2	.0	.0
325. *	.4	.5	.7	1.1	.9	.8	.9	.0	.0	.0	.4	.2	.2	.2	.2	.1	.1	.3	.0	.0
330. *	.4	.5	.7	1.1	.9	.8	.8	.0	.0	.0	.3	.2	.2	.2	.2	.1	.2	.4	.0	.0
335. *	.2	.3	.6	1.0	.9	.8	.8	.0	.0	.0	.3	.2	.2	.2	.2	.1	.2	.5	.0	.0
340. *	.1	.3	.5	.9	.9	.8	.8	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.6	.0	.0
345. *	.1	.3	.5	.9	.8	.8	.8	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.7	.0	.0
350. *	.1	.3	.5	1.0	.8	.8	.8	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.9	.0	.0
355. *	.1	.3	.5	1.0	.8	.8	.8	.0	.0	.0	.0	.0	.0	.2	.1	.2	.3	.9	.0	.0
360. *	.1	.3	.5	1.1	.8	.8	.8	.0	.0	.0	.0	.0	.0	.2	.2	.2	.3	.9	.1	.0
MAX *	.5	.7	1.1	1.7	1.6	1.5	1.4	1.0	1.0	1.3	1.2	1.1	.8	.5	.5	.6	1.3	1.2	1.0	1.1
DEGR. *	305	315	300	285	290	280	75	105	100	210	250	235	175	170	120	120	120	105	95	120

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0. *	.0	.7	1.1	1.4	1.2	.7	.5	.2	.0	.0	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
5. *	.0	.7	1.1	1.4	1.0	.8	.5	.2	.0	.0	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
10. *	.0	.7	1.1	1.3	.9	.7	.4	.2	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
15. *	.0	.7	1.1	1.3	.9	.8	.4	.2	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
20. *	.0	.7	1.2	1.3	1.0	.8	.4	.2	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
25. *	.0	.7	1.2	1.2	1.1	.9	.4	.2	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
30. *	.0	.7	1.2	1.2	1.1	.9	.4	.2	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
35. *	.0	.7	1.2	1.3	1.2	.8	.4	.2	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
40. *	.0	.7	1.3	1.3	1.3	.8	.4	.2	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
45. *	.0	.7	1.3	1.4	1.3	.8	.4	.2	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
50. *	.0	.7	1.4	1.5	1.3	.8	.4	.2	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
55. *	.0	.8	1.6	1.5	1.4	.8	.4	.2	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
60. *	.0	.9	1.5	1.4	1.5	.7	.3	.2	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
65. *	.0	1.2	1.6	1.5	1.6	.7	.3	.2	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
70. *	.0	1.2	1.6	1.6	1.6	.7	.3	.2	.0	.0	.2	.3	.3	.2	.0	.0	.0	.0	.0	.0
75. *	.0	1.3	1.4	1.4	1.4	.7	.3	.1	.0	.0	.2	.3	.3	.2	.1	.1	.1	.0	.0	.0
80. *	.0	1.7	1.5	1.5	1.5	.4	.2	.1	.0	.0	.2	.3	.2	.2	.1	.1	.1	.1	.0	.0
85. *	.1	1.8	1.3	1.2	1.5	.3	.2	.1	.0	.0	.2	.2	.2	.2	.1	.1	.1	.2	.0	.0
90. *	.1	1.4	1.1	1.1	1.4	.3	.1	.1	.0	.0	.1	.2	.1	.1	.2	.2	.2	.3	.0	.0
95. *	.3	1.4	.7	.8	1.1	.2	.1	.1	.1	.0	.1	.1	.1	.1	.3	.2	.2	.3	.0	.0
100. *	.4	1.0	.5	.6	.8	.1	.1	.1	.1	.1	.0	.1	.1	.0	.3	.3	.3	.3	.0	.0
105. *	.5	.8	.3	.5	.7	.1	.1	.1	.1	.1	.1	.0	.0	.0	.3	.3	.3	.4	.1	.0
110. *	.5	.5	.2	.2	.5	.1	.1	.1	.1	.1	.1	.1	.1	.0	.2	.2	.3	.5	.1	.0
115. *	.7	.5	.1	.1	.4	.1	.1	.1	.2	.1	.1	.1	.1	.1	.3	.3	.4	.5	.2	.1
120. *	.6	.2	.1	.1	.4	.1	.1	.1	.3	.1	.1	.1	.1	.1	.3	.3	.4	.5	.2	.1

125. *	.6	.1	.0	.1	.3	.1	.1	.1	.3	.1	.1	.1	.1	.1	.3	.3	.4	.5	.2	.1
130. *	.7	.1	.0	.1	.2	.1	.1	.1	.3	.1	.1	.1	.1	.1	.3	.3	.4	.4	.2	.1
135. *	.8	.0	.0	.1	.3	.1	.1	.1	.3	.1	.1	.1	.1	.1	.3	.3	.5	.4	.1	.1
140. *	.8	.0	.0	.1	.3	.1	.1	.1	.2	.1	.1	.1	.1	.1	.3	.3	.5	.4	.2	.1
145. *	.6	.0	.0	.0	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	.3	.5	.5	.2	.2
150. *	.7	.0	.0	.0	.1	.1	.1	.1	.4	.3	.2	.1	.1	.1	.3	.3	.5	.4	.1	.1
155. *	.7	.0	.0	.0	.1	.1	.1	.1	.5	.5	.2	.1	.1	.1	.3	.3	.6	.3	.2	.2
160. *	.6	.0	.0	.0	.1	.1	.1	.1	.5	.5	.3	.1	.1	.1	.3	.3	.5	.5	.3	.2
165. *	.7	.0	.0	.0	.1	.1	.1	.0	.4	.4	.4	.1	.1	.1	.3	.3	.7	.5	.3	.2
170. *	.6	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.1	.1	.1	.3	.2	.7	.5	.3	.3
175. *	.6	.0	.0	.0	.0	.0	.0	.0	.5	.4	.5	.1	.1	.1	.3	.3	.7	.3	.3	.3
180. *	.6	.0	.0	.0	.0	.0	.0	.0	.5	.4	.5	.1	.1	.1	.2	.3	.7	.3	.3	.3
185. *	.6	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.2	.1	.1	.3	.3	.6	.3	.3	.2
190. *	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3	.3	.1	.1	.3	.3	.6	.3	.3	.1
195. *	.6	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.2	.2	.1	.3	.2	.5	.2	.3	.1
200. *	.6	.0	.0	.0	.0	.0	.0	.0	.4	.2	.3	.0	.1	.1	.3	.2	.5	.3	.3	.2
205. *	.6	.0	.0	.0	.1	.0	.0	.0	.4	.3	.3	.0	.0	.1	.2	.2	.5	.3	.4	.2

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210. *	.7	.0	.0	.0	.1	.0	.0	.0	.3	.3	.3	.0	.0	.1	.2	.2	.5	.4	.4	.2
215. *	.7	.0	.0	.0	.1	.0	.0	.0	.3	.3	.2	.0	.0	.1	.2	.2	.5	.5	.4	.2
220. *	.6	.0	.0	.1	.1	.0	.0	.0	.3	.2	.2	.0	.0	.1	.2	.2	.6	.6	.3	.2
225. *	.6	.0	.0	.1	.1	.0	.0	.0	.3	.2	.3	.0	.0	.0	.2	.2	.6	.6	.3	.2
230. *	.5	.0	.0	.1	.1	.0	.0	.0	.3	.2	.3	.1	.0	.0	.2	.4	.5	.6	.3	.2
235. *	.6	.0	.0	.1	.1	.0	.0	.0	.3	.3	.3	.1	.0	.0	.3	.4	.6	.6	.3	.2
240. *	.6	.0	.0	.1	.2	.0	.0	.0	.3	.3	.3	.1	.1	.0	.3	.4	.6	.7	.3	.1
245. *	.6	.0	.0	.1	.2	.0	.0	.0	.3	.3	.2	.1	.1	.0	.3	.5	.5	.7	.3	.0
250. *	.7	.0	.1	.2	.4	.0	.0	.0	.3	.3	.2	.1	.1	.0	.3	.4	.5	.6	.3	.0
255. *	.7	.0	.1	.3	.5	.0	.0	.0	.3	.3	.2	.1	.1	.1	.4	.5	.6	.5	.2	.0
260. *	.6	.0	.3	.4	.7	.0	.0	.0	.3	.3	.2	.2	.1	.2	.2	.5	.5	.5	.1	.1
265. *	.7	.0	.5	.8	1.1	.0	.0	.0	.3	.3	.3	.3	.3	.1	.2	.3	.4	.3	.1	.1
270. *	.7	.0	.6	1.0	1.4	.0	.0	.0	.3	.4	.2	.3	.2	.1	.2	.3	.1	.3	.1	.1
275. *	.8	.2	1.0	1.2	1.5	.2	.0	.0	.3	.5	.3	.3	.2	.2	.1	.0	.1	.1	.1	.1
280. *	.8	.2	1.2	1.5	1.8	.3	.0	.0	.3	.4	.3	.4	.3	.2	.0	.0	.0	.1	.1	.1
285. *	.7	.4	1.3	1.8	1.8	.5	.0	.0	.2	.4	.3	.3	.3	.2	.0	.0	.0	.1	.1	.1
290. *	.7	.5	1.4	1.8	1.8	.6	.3	.0	.3	.5	.2	.4	.2	.2	.0	.0	.0	.1	.1	.1
295. *	.8	.7	1.7	1.7	1.6	.7	.4	.0	.3	.5	.3	.3	.2	.2	.0	.0	.0	.1	.1	.1
300. *	.7	.8	1.7	1.8	1.5	.6	.4	.1	.3	.5	.3	.3	.2	.2	.0	.0	.0	.1	.1	.1
305. *	.5	1.1	1.6	1.6	1.4	.7	.4	.1	.3	.5	.2	.3	.2	.2	.0	.0	.0	.1	.1	.0
310. *	.4	1.2	1.5	1.6	1.3	.6	.3	.3	.2	.5	.2	.3	.2	.2	.0	.0	.0	.1	.1	.0
315. *	.3	1.3	1.4	1.3	1.1	.6	.3	.2	.2	.3	.3	.3	.2	.2	.0	.0	.0	.1	.0	.0
320. *	.3	1.2	1.2	1.3	1.2	.5	.3	.2	.2	.3	.3	.3	.2	.2	.0	.0	.0	.0	.0	.0
325. *	.0	1.1	1.2	1.2	1.2	.6	.3	.2	.2	.2	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
330. *	.0	1.1	1.1	1.1	1.1	.7	.4	.2	.2	.2	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
335. *	.0	.9	1.1	1.1	1.2	.9	.3	.3	.0	.1	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
340. *	.0	.9	1.1	1.1	1.2	.7	.4	.3	.0	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
345. *	.0	.8	1.2	1.1	1.1	.6	.4	.2	.0	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
350. *	.0	.9	1.2	1.3	1.2	.7	.5	.2	.0	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
355. *	.0	.8	1.1	1.4	1.2	.5	.5	.2	.0	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
360. *	.0	.7	1.1	1.4	1.2	.7	.5	.2	.0	.0	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
MAX *	.8	1.8	1.7	1.8	1.8	.9	.5	.3	.5	.5	.5	.4	.3	.2	.4	.5	.7	.7	.4	.3
DEGR. *	275	85	295	285	280	25	0	310	155	155	175	280	70	0	255	245	165	240	205	170

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54
0. *	.0	.0	.1	.1	.0	.0	.0	.0	.2	.2	.5	.3	.2	.2
5. *	.0	.0	.1	.0	.0	.0	.0	.0	.2	.2	.5	.2	.3	.2
10. *	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.5	.2	.3	.2
15. *	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.5	.2	.3	.2
20. *	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.5	.3	.3	.1
25. *	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.5	.4	.2	.1
30. *	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.5	.4	.2	.1
35. *	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.5	.4	.2	.1
40. *	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.5	.4	.2	.1
45. *	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.5	.3	.2	.1
50. *	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.5	.3	.2	.1
55. *	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.5	.3	.2	.1
60. *	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.5	.3	.2	.1
65. *	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.5	.3	.2	.1
70. *	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5	.6	.3	.2	.1

75.	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.6	.2	.2	.1
80.	.0	.0	.1	.0	.0	.0	.0	.0	.2	.5	.5	.2	.2	.1
85.	.0	.1	.1	.1	.1	.0	.0	.0	.2	.4	.4	.2	.2	.1
90.	.0	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.1	.1
95.	.0	.1	.1	.2	.3	.2	.3	.2	.1	.2	.1	.1	.1	.2
100.	.0	.1	.1	.2	.3	.2	.3	.2	.2	.1	.0	.1	.2	.2
105.	.0	.1	.1	.2	.3	.3	.3	.3	.1	.1	.1	.2	.2	.2
110.	.0	.1	.1	.3	.4	.4	.4	.3	.1	.1	.1	.3	.3	.3
115.	.0	.1	.2	.2	.2	.4	.4	.3	.1	.1	.1	.3	.3	.4
120.	.1	.2	.2	.1	.3	.4	.4	.3	.1	.1	.2	.3	.3	.5
125.	.1	.2	.1	.1	.3	.5	.4	.3	.1	.1	.2	.4	.4	.5
130.	.1	.1	.1	.2	.4	.5	.4	.2	.0	.1	.2	.4	.4	.4
135.	.1	.1	.1	.3	.4	.5	.4	.2	.0	.1	.1	.5	.4	.5
140.	.2	.0	.3	.3	.5	.5	.2	.2	.0	.1	.1	.3	.3	.4
145.	.1	.0	.2	.2	.5	.4	.3	.2	.0	.1	.1	.3	.4	.5
150.	.1	.0	.2	.2	.3	.5	.2	.2	.1	.1	.1	.4	.5	.5
155.	.1	.0	.2	.3	.5	.5	.2	.3	.2	.0	.1	.2	.3	.3
160.	.1	.0	.2	.2	.5	.4	.2	.3	.3	.0	.1	.2	.3	.4
165.	.1	.0	.2	.2	.4	.4	.2	.4	.2	.1	.0	.3	.3	.3
170.	.1	.0	.1	.2	.4	.4	.2	.4	.3	.1	.0	.3	.3	.3
175.	.1	.1	.1	.2	.4	.3	.2	.4	.3	.0	.1	.1	.3	.2
180.	.2	.1	.1	.2	.4	.3	.3	.5	.3	.1	.1	.0	.2	.2
185.	.2	.1	.1	.2	.4	.3	.3	.5	.3	.1	.0	.0	.1	.2
190.	.2	.1	.2	.2	.4	.3	.3	.5	.3	.2	.1	.1	.1	.2
195.	.2	.1	.2	.3	.4	.4	.3	.5	.3	.1	.1	.1	.1	.1
200.	.1	.1	.2	.3	.5	.3	.3	.5	.3	.1	.1	.0	.1	.1
205.	.1	.1	.2	.2	.5	.3	.3	.5	.3	.1	.1	.0	.1	.1

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54
210.	.1	.1	.2	.2	.5	.3	.3	.5	.3	.1	.1	.0	.1	.1
215.	.1	.1	.2	.2	.4	.3	.4	.5	.3	.2	.1	.0	.1	.1
220.	.1	.1	.2	.2	.4	.3	.4	.5	.3	.2	.1	.1	.1	.1
225.	.1	.0	.2	.2	.4	.3	.4	.5	.3	.2	.1	.1	.1	.2
230.	.0	.0	.2	.2	.4	.3	.4	.4	.3	.2	.1	.1	.1	.1
235.	.0	.0	.2	.2	.4	.3	.3	.4	.3	.2	.1	.1	.1	.1
240.	.0	.0	.2	.2	.3	.3	.3	.4	.3	.2	.1	.1	.1	.2
245.	.0	.0	.1	.2	.3	.3	.3	.4	.3	.2	.1	.1	.1	.1
250.	.0	.0	.0	.2	.3	.3	.3	.4	.3	.2	.1	.1	.1	.1
255.	.1	.0	.0	.1	.3	.3	.3	.2	.4	.3	.2	.2	.1	.1
260.	.1	.0	.0	.0	.2	.2	.2	.2	.3	.3	.2	.3	.1	.1
265.	.1	.0	.0	.0	.2	.2	.2	.0	.3	.3	.3	.4	.1	.1
270.	.1	.0	.0	.0	.1	.1	.2	.0	.4	.3	.3	.3	.1	.1
275.	.1	.0	.0	.0	.0	.0	.0	.0	.4	.2	.3	.4	.2	.1
280.	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.5	.6	.1	.1
285.	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.5	.6	.1	.0
290.	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.6	.1	.1
295.	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.5	.5	.2	.1
300.	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.5	.5	.2	.1
305.	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.6	.5	.2	.1
310.	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.6	.4	.2	.1
315.	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.6	.3	.2	.2
320.	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.6	.3	.3	.3
325.	.0	.0	.1	.1	.0	.0	.0	.0	.2	.2	.6	.3	.3	.1
330.	.0	.0	.1	.1	.1	.0	.0	.0	.2	.2	.6	.2	.2	.1
335.	.0	.0	.1	.1	.1	.0	.0	.0	.2	.2	.5	.2	.2	.1
340.	.0	.0	.1	.1	.1	.0	.0	.0	.2	.2	.5	.2	.1	.2
345.	.0	.0	.1	.1	.1	.0	.0	.0	.2	.2	.5	.2	.1	.2
350.	.0	.0	.1	.1	.0	.0	.0	.0	.2	.2	.5	.2	.1	.2
355.	.0	.0	.1	.1	.0	.0	.0	.0	.2	.2	.5	.2	.2	.2
360.	.0	.0	.1	.1	.0	.0	.0	.0	.2	.2	.5	.3	.2	.2
MAX	.2	.2	.3	.3	.5	.5	.4	.5	.4	.5	.6	.6	.5	.5
DEGR.	140	120	140	110	140	125	110	180	70	40	70	280	150	120

THE HIGHEST CONCENTRATION IS 1.80 PPM AT 85 DEGREES FROM REC22.
THE 2ND HIGHEST CONCENTRATION IS 1.80 PPM AT 285 DEGREES FROM REC24.
THE 3RD HIGHEST CONCENTRATION IS 1.80 PPM AT 280 DEGREES FROM REC25.

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S4 US40 & FRANKLIN NB                    60.0321.0.0000.000540.30480000    1    1
1 SE MID                  1157.      534.        5.
2 SE 164                  1085.      679.        5.
1 SE 82                   1050.      751.        5.
1 SE COR                  1018.      818.        5.
1 ES 82                   1090.      823.        5.
1 ES 164                  1172.      828.        5.
1 ES MID                  1379.      839.        5.
1 EN MID                  1369.      941.        5.
1 EN 164                  1132.      929.        5.
1 EN 82                   1050.      925.        5.
1 NE COR                   956.      923.        5.
1 NE 82                    914.     1003.        5.
1 NE 164                   877.     1076.        5.
1 NE MID                   769.     1287.        5.
1 NW MID                   712.     1275.        5.
1 NW 164                   802.     1089.        5.
1 NW 82                    853.      999.        5.
1 NW COR                   892.      923.        5.
1 WN 82                    806.      915.        5.
1 WN 164                   724.      916.        5.
1 WN MID                   514.      983.        5.
1 WS MID                   564.      842.        5.
1 WS 164                   779.      808.        5.
1 WS 82                    862.      812.        5.
1 SW COR                   944.      817.        5.
1 SW 82                    974.      751.        5.
1 SW 164                  1019.      663.        5.
1 SW MID                  1093.      507.        5.
2 164SE                    836.     1157.        5.
2 82SE                     797.     1234.        5.
2 SE COR                   765.     1311.        5.
2 ES 82                    847.     1322.        5.
2 ES 164                   929.     1324.        5.
2 ES MID                  1166.     1330.        5.
2 EN MID                   954.     1404.        5.
2 EN 164                   855.     1402.        5.
2 EN 82                    762.     1399.        5.
2 NE COR                   686.     1399.        5.
2 NE 82                    613.     1470.        5.
2 NE 164                   548.     1539.        5.
2 NE MID                   427.     1648.        5.
2 NW MID                   373.     1622.        5.
2 NW 164                   503.     1503.        5.
2 NW 82                    563.     1446.        5.
2 NW COR                   597.     1406.        5.
2 WN 82                    539.     1402.        5.
2 WN 164                   453.     1392.        5.
2 WN MID                   289.     1394.        5.
2 WS MID                   310.     1301.        5.
2 WS 164                   507.     1308.        5.
2 WS 82                    587.     1312.        5.
2 SW COR                   691.     1314.        5.
2 SW 82                    732.     1233.        5.
2 SW 164                   769.     1158.        5.
S4 US40 & FRANK NB2021PM                 31  1   0
  1
FRANK     NB LTR    AG  1430.   -35.   972.   848.    280. 8.2  0. 44.   25.
  2
FRANK     NB LTR    AG   993.   806.  1096.   608.      0. 24.   2
       110        86         3  280   43.6 1341 1 3
  1
FRAED     NB LTR    AG   972.   848.   718.  1342.    305. 8.2  0. 32.   25.
  2
FRAED     NB LTR    AG   741.  1296.   815.  1154.      0. 12.   1
       110        61         3  305   43.6 1780 1 3
  1
FRANK     NB D      AG   718.  1342.   352.  1682.    355. 8.2  0. 32.   25.
  1
FRANK     SB LTR    AG   719.  1304.   933.   885.    290. 8.2  0. 44.   25.
  2
FRANK     SB LTR    AG   914.   923.   798.  1149.      0. 24.   2
       110        86         3  290   43.6 1343 1 3
  1
FRANK     SB D      AG   933.   885.  1400.   -39.    260. 8.2  0. 32.   25.
  1
US40      EB LTR    AG    41.  1280.   424.   948.   1200. 8.1  0. 56.   35.
  1
US40      EB LTR    AG   424.   948.   531.   888.   1200. 8.1  0. 56.   35.
  1
US40      EB LTR    AG   531.   888.   660.   848.   1200. 8.1  0. 56.   35.
```

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  1
US40      EB LTR    AG   660.   848.   719.   841.   1200. 8.1  0. 56.   35.
  1
US40      EB LTR    AG   719.   841.   960.   842.   1200. 8.1  0. 56.   35.
  2
US40      EB LTR    AG   919.   842.   798.   841.      0. 36.   3
       110        54         6 1200   43.6 1606 1 3
  1
US40      EB D      AG   960.   842.  1972.   900.   1285. 8.1  0. 56.   35.
  1
US40      WB LTR    AG  1967.   941.  1453.   918.   2055. 8.1  0. 56.   35.
  1
US40      WB TR     AG  1453.   918.   942.   891.   1990. 8.1  0. 56.   35.
  2
US40      WB TR     AG   982.   893.  1280.   909.      0. 36.   3
       110        35         3 1990   43.6 1751 1 3
  1
US40      WB L      AG  1441.   895.   953.   870.     65. 8.1  0. 32.   35.
  2
US40      WB L      AG   995.   872.  1367.   891.      0. 12.   1
       110        39         3   65   43.6  267 1 3
  1
US40      WB D      AG   942.   891.   763.   884.   1990. 8.1  0. 56.   35.
  1
US40      WB D      AG   763.   884.   652.   895.   1990. 8.1  0. 56.   35.
  1
US40      WB D      AG   652.   895.   543.   932.   1990. 8.1  0. 56.   35.
  1
US40      WB D      AG   543.   932.   424.  1006.   1990. 8.1  0. 56.   35.
  1
US40      WB D      AG   424.  1006.    48.  1341.   1990. 8.1  0. 56.   35.
  1
EDMO      EB LTR    AG    49.  1321.   703.  1345.    615. 8.1  0. 44.   30.
  2
EDMO      EB LTR    AG   653.  1343.   417.  1334.      0. 24.   2
       110        57         3  615   43.6 1401 1 3
  1
EDMO      EB D      AG   703.  1345.  1845.  1379.    430. 8.1  0. 44.   30.
  1
EDMO      WB LTR    AG  1815.  1406.   679.  1368.    535. 8.1  0. 44.   30.
  2
EDMO      WB LTR    AG   723.  1370.   984.  1378.      0. 24.   2
       110        57         3  535   43.6 1442 1 3
  1
EDMO      WB D      AG   679.  1368.    48.  1353.    425. 8.1  0. 44.   30.
1.0   04  1000   0Y  5  0 72
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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2021PM
DATE: 09/10/2012 TIME: 10:56:27.73

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. FRANK NB LTR	1430.0	-35.0	972.0	848.0	995.	333.	AG	280.	8.2	.0	44.0		
2. FRANK NB LTR	993.0	806.0	1023.4	747.6	66.	153.	AG	183.	100.0	.0	24.0	.53	3.3
3. FRAED NB LTR	972.0	848.0	718.0	1342.0	555.	333.	AG	305.	8.2	.0	32.0		
4. FRAED NB LTR	741.0	1296.0	788.0	1205.8	102.	152.	AG	65.	100.0	.0	12.0	.40	5.2
5. FRANK NB D	718.0	1342.0	352.0	1682.0	500.	313.	AG	355.	8.2	.0	32.0		
6. FRANK SB LTR	719.0	1304.0	933.0	885.0	470.	153.	AG	290.	8.2	.0	44.0		
7. FRANK SB LTR	914.0	923.0	882.9	983.7	68.	333.	AG	183.	100.0	.0	24.0	.55	3.5
8. FRANK SB D	933.0	885.0	1400.0	-39.0	1035.	153.	AG	260.	8.2	.0	32.0		
9. US40 EB LTR	41.0	1280.0	424.0	948.0	507.	131.	AG	1200.	8.1	.0	56.0		
10. US40 EB LTR	424.0	948.0	531.0	888.0	123.	119.	AG	1200.	8.1	.0	56.0		
11. US40 EB LTR	531.0	888.0	660.0	848.0	135.	107.	AG	1200.	8.1	.0	56.0		
12. US40 EB LTR	660.0	848.0	719.0	841.0	59.	97.	AG	1200.	8.1	.0	56.0		
13. US40 EB LTR	719.0	841.0	960.0	842.0	241.	90.	AG	1200.	8.1	.0	56.0		
14. US40 EB LTR	919.0	842.0	800.9	841.0	118.	270.	AG	172.	100.0	.0	36.0	.51	6.0
15. US40 EB D	960.0	842.0	1972.0	900.0	1014.	87.	AG	1285.	8.1	.0	56.0		
16. US40 WB LTR	1967.0	941.0	1453.0	918.0	515.	267.	AG	2055.	8.1	.0	56.0		
17. US40 WB TR	1453.0	918.0	942.0	891.0	512.	267.	AG	1990.	8.1	.0	56.0		
18. US40 WB TR	982.0	893.0	1108.7	899.8	127.	87.	AG	112.	100.0	.0	36.0	.57	6.4
19. US40 WB L	1441.0	895.0	953.0	870.0	489.	267.	AG	65.	8.1	.0	32.0		
20. US40 WB L	995.0	872.0	1008.8	872.7	14.	87.	AG	41.	100.0	.0	12.0	.39	.7
21. US40 WB D	942.0	891.0	763.0	884.0	179.	268.	AG	1990.	8.1	.0	56.0		
22. US40 WB D	763.0	884.0	652.0	895.0	112.	276.	AG	1990.	8.1	.0	56.0		
23. US40 WB D	652.0	895.0	543.0	932.0	115.	289.	AG	1990.	8.1	.0	56.0		
24. US40 WB D	543.0	932.0	424.0	1006.0	140.	302.	AG	1990.	8.1	.0	56.0		
25. US40 WB D	424.0	1006.0	48.0	1341.0	504.	312.	AG	1990.	8.1	.0	56.0		
26. EDMO EB LTR	49.0	1321.0	703.0	1345.0	654.	88.	AG	615.	8.1	.0	44.0		
27. EDMO EB LTR	653.0	1343.0	557.4	1339.4	96.	268.	AG	121.	100.0	.0	24.0	.48	4.9
28. EDMO EB D	703.0	1345.0	1845.0	1379.0	1143.	88.	AG	430.	8.1	.0	44.0		
29. EDMO WB LTR	1815.0	1406.0	679.0	1368.0	1137.	268.	AG	535.	8.1	.0	44.0		
30. EDMO WB LTR	723.0	1370.0	806.2	1372.5	83.	88.	AG	121.	100.0	.0	24.0	.40	4.2
31. EDMO WB D	679.0	1368.0	48.0	1353.0	631.	269.	AG	425.	8.1	.0	44.0		

JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2021PM
DATE: 09/10/2012 TIME: 10:56:27.73

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. FRANK NB LTR	110	86	.3	280	1341	43.60	1	3
4. FRAED NB LTR	110	61	.3	305	1780	43.60	1	3
7. FRANK SB LTR	110	86	.3	290	1343	43.60	1	3
14. US40 EB LTR	110	54	.6	1200	1606	43.60	1	3
18. US40 WB TR	110	35	.3	1990	1751	43.60	1	3
20. US40 WB L	110	39	.3	65	267	43.60	1	3
27. EDMO EB LTR	110	57	.3	615	1401	43.60	1	3
30. EDMO WB LTR	110	57	.3	535	1442	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. 1 SE MID	1157.0	534.0	5.0
2. 2 SE 164	1085.0	679.0	5.0
3. 1 SE 82	1050.0	751.0	5.0
4. 1 SE COR	1018.0	818.0	5.0
5. 1 ES 82	1090.0	823.0	5.0
6. 1 ES 164	1172.0	828.0	5.0
7. 1 ES MID	1379.0	839.0	5.0
8. 1 EN MID	1369.0	941.0	5.0
9. 1 EN 164	1132.0	929.0	5.0
10. 1 EN 82	1050.0	925.0	5.0
11. 1 NE COR	956.0	923.0	5.0
12. 1 NE 82	914.0	1003.0	5.0
13. 1 NE 164	877.0	1076.0	5.0
14. 1 NE MID	769.0	1287.0	5.0
15. 1 NW MID	712.0	1275.0	5.0
16. 1 NW 164	802.0	1089.0	5.0
17. 1 NW 82	853.0	999.0	5.0
18. 1 NW COR	892.0	923.0	5.0
19. 1 WN 82	806.0	915.0	5.0
20. 1 WN 164	724.0	916.0	5.0
21. 1 WN MID	514.0	983.0	5.0

22.	1 WS MID	564.0	842.0	5.0	
23.	1 WS 164	779.0	808.0	5.0	
24.	1 WS 82	862.0	812.0	5.0	
25.	1 SW COR	944.0	817.0	5.0	
26.	1 SW 82	974.0	751.0	5.0	
27.	1 SW 164	1019.0	663.0	5.0	
28.	1 SW MID	1093.0	507.0	5.0	
29.	2 164SE	836.0	1157.0	5.0	
30.	2 82SE	797.0	1234.0	5.0	
31.	2 SE COR	765.0	1311.0	5.0	
32.	2 ES 82	847.0	1322.0	5.0	
33.	2 ES 164	929.0	1324.0	5.0	
34.	2 ES MID	1166.0	1330.0	5.0	
35.	2 EN MID	954.0	1404.0	5.0	
36.	2 EN 164	855.0	1402.0	5.0	
37.	2 EN 82	762.0	1399.0	5.0	

1

JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2021PM
DATE: 09/10/2012 TIME: 10:56:27.73

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
38. 2 NE COR	686.0	1399.0	5.0
39. 2 NE 82	613.0	1470.0	5.0
40. 2 NE 164	548.0	1539.0	5.0
41. 2 NE MID	427.0	1648.0	5.0
42. 2 NW MID	373.0	1622.0	5.0
43. 2 NW 164	503.0	1503.0	5.0
44. 2 NW 82	563.0	1446.0	5.0
45. 2 NW COR	597.0	1406.0	5.0
46. 2 WN 82	539.0	1402.0	5.0
47. 2 WN 164	453.0	1392.0	5.0
48. 2 WN MID	289.0	1394.0	5.0
49. 2 WS MID	310.0	1301.0	5.0
50. 2 WS 164	507.0	1308.0	5.0
51. 2 WS 82	587.0	1312.0	5.0
52. 2 SW COR	691.0	1314.0	5.0
53. 2 SW 82	732.0	1233.0	5.0
54. 2 SW 164	769.0	1158.0	5.0

1

JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2021PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.2	.3	.5	.8	.7	.6	.6	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.8	.0	.0
5.	.2	.2	.5	.8	.7	.6	.6	.0	.0	.0	.0	.0	.0	.3	.3	.2	.2	.8	.0	.0
10.	.2	.2	.5	.8	.7	.6	.6	.0	.0	.0	.0	.0	.0	.3	.4	.2	.2	.8	.0	.0
15.	.2	.2	.5	.8	.7	.6	.6	.0	.0	.0	.0	.0	.0	.3	.5	.2	.2	.8	.0	.0
20.	.2	.2	.5	.8	.7	.6	.6	.0	.0	.0	.0	.0	.0	.3	.5	.2	.2	.8	.0	.0
25.	.2	.2	.4	.8	.6	.6	.6	.0	.0	.0	.0	.0	.0	.3	.5	.2	.2	.8	.0	.0
30.	.2	.2	.4	.8	.6	.6	.7	.0	.0	.0	.0	.0	.0	.3	.5	.2	.2	.8	.0	.0
35.	.2	.2	.4	.8	.7	.7	.7	.1	.1	.0	.0	.0	.0	.2	.5	.2	.2	.8	.0	.0
40.	.2	.2	.4	.8	.7	.7	.7	.1	.1	.1	.0	.0	.0	.2	.5	.2	.2	.8	.1	.0
45.	.2	.2	.4	.8	.7	.7	.8	.1	.1	.1	.0	.0	.0	.2	.5	.2	.2	.8	.2	.0
50.	.2	.2	.4	.8	.7	.7	.7	.1	.1	.1	.0	.0	.0	.2	.5	.2	.2	.7	.2	.0
55.	.2	.3	.4	.9	.8	.8	.9	.1	.1	.1	.1	.0	.0	.2	.5	.2	.2	.7	.2	.0
60.	.2	.3	.5	.9	.8	.9	.9	.1	.1	.1	.1	.0	.0	.2	.5	.2	.2	.7	.2	.0
65.	.1	.2	.4	.8	.9	.9	.8	.2	.2	.2	.1	.0	.0	.2	.5	.2	.2	.8	.3	.2
70.	.0	.2	.4	1.0	1.0	.9	.8	.2	.2	.2	.2	.0	.0	.2	.5	.2	.2	.8	.4	.3
75.	.0	.2	.4	.9	.9	.9	.8	.4	.4	.4	.3	.0	.0	.2	.5	.2	.2	.8	.4	.4
80.	.0	.2	.2	.9	.9	.8	.7	.7	.6	.7	.7	.0	.0	.2	.5	.2	.2	1.3	.7	.6
85.	.0	.0	.2	.7	.7	.7	.7	.7	.8	.9	.8	.2	.0	.2	.5	.2	.3	1.3	1.0	.8
90.	.0	.0	.1	.6	.6	.6	.5	.9	.9	1.1	1.1	.3	.0	.0	.3	.2	.6	1.3	1.1	1.0
95.	.0	.0	.0	.3	.4	.4	.4	1.0	1.0	1.2	1.2	.3	.1	.0	.3	.3	.6	1.6	1.3	1.1
100.	.0	.0	.0	.2	.3	.3	.2	1.1	1.1	1.3	1.3	.4	.3	.0	.3	.5	.7	1.5	1.2	1.2
105.	.0	.0	.0	.2	.2	.2	.2	1.0	1.1	1.3	1.3	.4	.3	.0	.3	.5	.8	1.4	1.2	1.1
110.	.0	.0	.0	.1	.1	.1	.1	1.0	.9	1.1	1.2	.4	.2	.0	.3	.4	.8	1.4	1.0	1.2
115.	.0	.0	.0	.1	.1	.1	.1	1.0	.9	1.2	1.2	.4	.2	.0	.5	.4	.9	1.2	1.0	1.3
120.	.0	.0	.0	.1	.1	.1	.1	.9	.9	1.2	1.1	.5	.3	.2	.5	.4	.9	1.2	1.0	1.1
125.	.0	.0	.0	.0	.1	.1	.0	.9	.8	1.1	1.0	.4	.3	.2	.5	.4	.9	1.1	1.1	1.1
130.	.0	.0	.0	.0	.0	.0	.0	.9	.8	1.1	1.0	.4	.4	.2	.5	.5	1.1	1.1	1.0	1.0
135.	.0	.0	.0	.0	.0	.0	.0	.8	.8	1.1	1.0	.4	.4	.2	.5	.5	.9	1.0	1.0	.9
140.	.1	.1	.0	.0	.0	.0	.0	.7	.7	1.0	.8	.4	.3	.2	.4	.6	.9	1.0	1.0	.9
145.	.1	.1	.1	.1	.0	.0	.0	.7	.7	1.0	.9	.5	.4	.2	.3	.4	.8	1.1	1.0	.9
150.	.1	.1	.1	.2	.0	.0	.0	.7	.7	1.0	1.0	.5	.4	.2	.2	.4	.9	.9	1.0	.8
155.	.1	.1	.1	.2	.0	.0	.0	.7	.7	1.0	1.2	.5	.5	.3	.2	.5	.7	.9	1.0	.8
160.	.2	.2	.2	.3	.0	.0	.0	.7	.7	1.0	1.2	.5	.4	.4	.2	.5	.7	.8	1.0	.7

165. *	.2	.2	.2	.4	.0	.0	.0	.7	.7	1.0	1.0	.6	.6	.4	.2	.3	.6	.9	.9	.7
170. *	.2	.2	.2	.5	.0	.0	.0	.7	.7	1.0	1.1	.7	.6	.4	.1	.3	.5	.9	.9	.6
175. *	.2	.2	.2	.5	.0	.0	.0	.7	.7	1.0	1.0	.9	.6	.4	.0	.3	.4	.9	.9	.7
180. *	.2	.2	.2	.6	.0	.0	.0	.7	.7	1.1	1.0	.9	.6	.4	.0	.3	.4	.9	.9	.7
185. *	.2	.2	.2	.6	.0	.0	.0	.7	.7	1.1	.9	.9	.6	.4	.0	.2	.4	.9	.8	.7
190. *	.2	.2	.2	.6	.0	.0	.0	.7	.7	1.1	.8	.9	.6	.4	.0	.3	.4	.9	.8	.7
195. *	.2	.2	.2	.7	.0	.0	.0	.7	.7	1.1	.8	1.0	.6	.4	.0	.2	.4	1.0	.8	.6
200. *	.2	.2	.2	.6	.0	.0	.0	.7	.8	1.1	.9	1.0	.5	.4	.0	.1	.4	1.0	.7	.6
205. *	.2	.1	.1	.6	.0	.0	.0	.7	.8	1.1	1.0	1.0	.4	.4	.0	.1	.4	.9	.7	.6

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2021PM

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR) *	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.1	.1	.1	.6	.1	.0	.0	.7	.9	1.1	1.0	1.0	.5	.4	.0	.1	.4	.9	.8	.6
215. *	.1	.1	.1	.5	.1	.0	.0	.8	1.0	1.0	1.0	.9	.4	.4	.1	.2	.3	.9	.8	.7
220. *	.1	.1	.1	.5	.1	.0	.0	.8	1.1	1.1	1.1	.9	.3	.4	.1	.2	.3	.9	.6	.7
225. *	.1	.1	.1	.5	.1	.0	.0	.8	1.1	1.2	1.1	.9	.3	.3	.0	.1	.2	.9	.8	.7
230. *	.1	.1	.1	.5	.2	.1	.1	.9	1.1	1.3	1.2	.8	.3	.4	.1	.1	.2	.8	.8	.7
235. *	.1	.1	.1	.4	.3	.1	.1	.9	1.2	1.3	1.2	.6	.4	.5	.1	.1	.1	.7	.8	.8
240. *	.1	.1	.2	.5	.3	.2	.1	.9	1.3	1.3	1.2	.6	.3	.4	.1	.2	.2	.8	.9	.7
245. *	.1	.1	.2	.4	.3	.2	.1	1.0	1.4	1.3	1.0	.5	.3	.4	.1	.1	.2	.8	.8	.7
250. *	.1	.1	.2	.5	.3	.3	.2	1.0	1.4	1.2	1.2	.5	.2	.4	.2	.1	.2	.7	.9	.8
255. *	.1	.1	.3	.5	.4	.3	.2	1.0	1.4	1.1	1.2	.5	.3	.4	.1	.1	.2	.7	.8	.8
260. *	.1	.1	.3	.5	.5	.5	.4	.9	1.1	1.1	1.1	.4	.2	.4	.1	.2	.2	.6	.8	.7
265. *	.1	.1	.4	.7	.7	.8	.5	.8	.9	1.1	1.0	.2	.3	.5	.1	.2	.2	.5	.7	.9
270. *	.1	.1	.4	.8	.7	.8	.7	.7	.7	.8	.9	.3	.3	.5	.2	.2	.2	.5	.7	.9
275. *	.1	.1	.6	.9	.7	.8	.7	.5	.6	.5	.7	.3	.3	.5	.2	.2	.2	.5	.5	.7
280. *	.1	.1	.7	1.0	.8	1.1	.8	.3	.6	.5	.8	.3	.3	.5	.1	.1	.2	.4	.7	.8
285. *	.2	.2	.8	1.1	.8	1.0	.8	.2	.3	.4	.7	.3	.3	.5	.3	.1	.1	.2	.6	.7
290. *	.2	.3	.9	1.1	1.0	.9	.8	.2	.1	.3	.7	.3	.3	.5	.3	.1	.1	.2	.6	.5
295. *	.2	.4	1.1	1.1	1.0	1.0	.8	.1	.1	.2	.6	.2	.2	.5	.3	.0	.1	.1	.2	.5
300. *	.2	.7	1.1	1.0	.9	.8	.7	.1	.1	.1	.5	.2	.2	.4	.3	.0	.0	.1	.1	.5
305. *	.2	.6	.9	1.0	1.0	.8	.7	.1	.1	.1	.5	.2	.2	.3	.3	.0	.0	.0	.1	.2
310. *	.2	.6	.9	1.0	.9	.8	.7	.1	.1	.1	.5	.2	.2	.3	.3	.0	.0	.0	.0	.2
315. *	.2	.5	1.0	.9	.9	.8	.7	.1	.1	.1	.4	.2	.2	.2	.3	.0	.0	.0	.0	.1
320. *	.3	.6	.8	.8	.9	.8	.7	.1	.0	.0	.4	.2	.2	.4	.3	.0	.1	.2	.0	.1
325. *	.1	.5	.6	.9	.8	.7	.6	.0	.0	.0	.3	.2	.2	.5	.3	.1	.1	.2	.0	.1
330. *	.2	.5	.6	.9	.8	.6	.6	.0	.0	.0	.3	.2	.1	.4	.2	.1	.1	.3	.0	.0
335. *	.3	.4	.6	.8	.8	.6	.6	.0	.0	.0	.1	.1	.1	.3	.2	.1	.1	.4	.0	.0
340. *	.3	.5	.6	.7	.8	.6	.6	.0	.0	.0	.1	.1	.1	.3	.2	.1	.2	.5	.0	.0
345. *	.3	.4	.5	.7	.8	.6	.6	.0	.0	.0	.0	.1	.0	.3	.2	.2	.2	.6	.0	.0
350. *	.2	.3	.5	.7	.8	.6	.6	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.7	.0	.0
355. *	.2	.3	.5	.9	.8	.6	.7	.0	.0	.0	.0	.0	.0	.3	.1	.2	.2	.7	.0	.0
360. *	.2	.3	.5	.8	.7	.6	.6	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.8	.0	.0
MAX *	.3	.7	1.1	1.1	1.0	1.1	.9	1.1	1.4	1.3	1.3	1.0	.6	.5	.5	.6	1.1	1.6	1.3	1.3
DEGR. *	320	300	295	295	70	280	55	100	245	100	100	195	165	235	15	140	130	95	95	115

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2021PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR) *	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0. *	.0	.6	.6	1.2	.9	.5	.6	.4	.0	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
5. *	.0	.5	.5	1.2	.8	.6	.6	.4	.0	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
10. *	.0	.6	.7	1.2	.9	.7	.6	.4	.0	.0	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
15. *	.0	.6	.7	1.2	.9	.9	.6	.4	.0	.0	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
20. *	.0	.6	.7	1.2	.9	.9	.5	.4	.0	.0	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
25. *	.0	.6	.8	1.2	.8	.9	.4	.4	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
30. *	.0	.6	.9	1.3	.9	1.0	.4	.4	.0	.1	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
35. *	.0	.6	.9	1.2	.9	1.0	.4	.4	.0	.1	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
40. *	.0	.6	1.0	1.1	.9	1.0	.4	.4	.0	.1	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
45. *	.0	.6	1.0	1.2	1.0	1.0	.4	.4	.0	.1	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
50. *	.0	.6	1.2	1.2	1.0	1.0	.4	.4	.0	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
55. *	.0	.6	1.2	1.2	.9	1.0	.4	.4	.0	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
60. *	.0	.7	1.1	1.3	1.0	1.0	.5	.4	.0	.2	.2	.3	.2	.2	.0	.0	.0	.0	.0	.0
65. *	.0	.7	1.3	1.3	1.1	1.0	.5	.3	.0	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0
70. *	.0	.8	1.3	1.2	1.3	.9	.4	.2	.0	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0
75. *	.1	1.1	1.2	1.2	1.3	.9	.4	.2	.0	.0	.2	.3	.3	.3	.1	.1	.1	.1	.0	.0
80. *	.1	1.1	1.2	1.2	1.1	.9	.4	.2	.0	.0	.2	.3	.3	.3	.1	.1	.1	.1	.0	.0
85. *	.2	1.0	1.1	1.0	1.2	.7	.2	.2	.0	.0	.2	.3	.3	.2	.1	.2	.2	.3	.0	.0
90. *	.3	.9	.7	.8	1.0	.5	.2	.2	.0	.0	.2	.2	.2	.2	.3	.3	.3	.4	.0	.0
95. *	.5	.9	.6	.6	.8	.4	.2	.2	.0	.0	.1	.1	.1	.1	.3	.3	.3	.4	.1	.0
100. *	.6	.6	.4	.3	.7	.4	.2	.2	.1	.0	.0	.1	.1	.1	.3	.3	.4	.5	.1	.0
105. *	.7	.3	.1	.3	.6	.3	.2	.2	.2	.0	.0	.0	.0	.0	.3	.3	.4	.5	.1	.0
110. *	.8	.1	.1	.2	.5	.3	.2	.2	.3	.1	.0	.0	.0	.0	.3	.3	.4	.5	.1	.0
115. *	.7	.1	.0	.1	.6	.3	.2	.2	.2	.2	.0	.1	.1	.1	.3	.3	.5	.5	.2	.0
120. *	.8	.1	.0	.1	.5	.2	.2	.2	.2	.2	.2	.0	.1	.1	.4	.3	.5	.5	.2	.0

125. *	.9	.0	.0	.0	.5	.2	.2	.2	.2	.2	.2	.2	.2	.1	.4	.3	.5	.6	.2	.0
130. *	.8	.0	.0	.0	.4	.2	.2	.2	.2	.2	.2	.2	.2	.1	.3	.3	.7	.5	.4	.0
135. *	.8	.0	.0	.0	.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	.3	.4	.7	.5	.2	.1
140. *	.8	.0	.0	.0	.4	.2	.2	.2	.2	.2	.1	.2	.2	.2	.3	.3	.6	.6	.2	.1
145. *	.7	.0	.0	.0	.3	.2	.2	.2	.3	.2	.1	.2	.2	.1	.3	.3	.6	.6	.1	.1
150. *	.7	.0	.0	.0	.3	.2	.2	.1	.3	.2	.2	.1	.2	.2	.3	.3	.6	.4	.1	.1
155. *	.8	.0	.0	.0	.1	.1	.1	.1	.3	.3	.1	.1	.1	.2	.3	.3	.6	.3	.1	.1
160. *	.8	.0	.0	.0	.1	.1	.1	.0	.5	.3	.3	.1	.1	.2	.3	.3	.5	.3	.3	.2
165. *	.8	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.0	.1	.2	.3	.3	.5	.3	.3	.2
170. *	.8	.0	.0	.0	.0	.0	.0	.0	.6	.3	.4	.0	.1	.2	.3	.2	.5	.3	.3	.2
175. *	.8	.0	.0	.0	.0	.0	.0	.0	.5	.3	.4	.1	.1	.2	.3	.2	.6	.3	.3	.1
180. *	.6	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.1	.0	.2	.2	.2	.6	.3	.3	.1
185. *	.6	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.1	.1	.1	.2	.2	.5	.3	.3	.1
190. *	.7	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.0	.1	.1	.2	.2	.5	.3	.3	.1
195. *	.7	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.0	.1	.1	.2	.2	.5	.4	.3	.1
200. *	.7	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	.0	.0	.1	.2	.2	.5	.4	.3	.2
205. *	.7	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	.0	.0	.1	.2	.2	.5	.4	.3	.2

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2021PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210. *	.7	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	.0	.0	.0	.2	.2	.5	.4	.3	.2
215. *	.7	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	.0	.0	.0	.2	.2	.5	.4	.3	.2
220. *	.7	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	.0	.0	.0	.3	.3	.5	.5	.4	.2
225. *	.7	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	.0	.0	.0	.3	.4	.6	.6	.4	.2
230. *	.7	.0	.0	.0	.1	.0	.0	.0	.3	.3	.3	.0	.0	.0	.3	.4	.5	.6	.4	.2
235. *	.6	.0	.0	.0	.1	.0	.0	.0	.2	.3	.4	.0	.0	.0	.3	.5	.6	.6	.4	.2
240. *	.6	.0	.0	.0	.1	.0	.0	.0	.3	.3	.3	.1	.0	.0	.3	.5	.6	.6	.4	.2
245. *	.7	.0	.0	.1	.1	.0	.0	.0	.2	.4	.2	.1	.1	.0	.4	.6	.6	.5	.4	.1
250. *	.7	.0	.0	.1	.2	.0	.0	.0	.2	.4	.2	.1	.1	.0	.4	.7	.6	.5	.3	.1
255. *	.8	.0	.0	.1	.3	.0	.0	.0	.3	.4	.2	.1	.1	.0	.5	.6	.6	.5	.1	.1
260. *	.8	.0	.1	.1	.4	.0	.0	.0	.3	.4	.3	.2	.2	.1	.5	.4	.5	.5	.1	.1
265. *	.8	.0	.1	.3	.5	.0	.0	.0	.3	.5	.4	.3	.3	.1	.4	.3	.4	.3	.1	.1
270. *	.9	.0	.3	.4	.7	.0	.0	.0	.3	.5	.4	.2	.2	.2	.1	.3	.4	.3	.1	.1
275. *	.9	.0	.3	.6	1.0	.0	.0	.0	.3	.5	.4	.2	.4	.2	.1	.2	.2	.2	.1	.1
280. *	.9	.0	.5	.8	1.0	.1	.0	.0	.3	.5	.4	.4	.3	.3	.1	.0	.1	.1	.1	.1
285. *	.9	.2	.6	1.0	1.4	.2	.0	.0	.3	.5	.4	.4	.3	.3	.0	.0	.1	.1	.1	.1
290. *	1.0	.3	.9	1.3	1.5	.3	.0	.0	.2	.5	.5	.3	.3	.3	.0	.0	.1	.1	.1	.1
295. *	1.0	.4	.9	1.5	1.3	.5	.0	.0	.2	.6	.6	.3	.3	.2	.0	.0	.1	.2	.1	.1
300. *	.9	.6	1.0	1.3	1.3	.6	.2	.0	.2	.6	.4	.4	.2	.2	.0	.0	.0	.2	.1	.1
305. *	.7	.6	1.1	1.3	1.2	.7	.4	.0	.2	.6	.5	.4	.2	.2	.0	.0	.0	.1	.1	.1
310. *	.6	.8	.9	1.3	1.0	.6	.3	.0	.3	.4	.3	.3	.2	.2	.0	.0	.0	.1	.1	.1
315. *	.4	.9	.8	1.1	1.0	.6	.3	.0	.3	.2	.4	.3	.2	.2	.0	.0	.0	.1	.1	.0
320. *	.3	.9	.6	1.2	.9	.6	.3	.0	.3	.2	.4	.3	.2	.2	.0	.0	.0	.1	.1	.0
325. *	.2	.9	.5	1.1	.9	.4	.3	.1	.2	.2	.4	.3	.2	.2	.0	.0	.0	.1	.0	.0
330. *	.2	.7	.5	1.1	.9	.5	.4	.1	.2	.3	.3	.3	.2	.2	.0	.0	.0	.0	.0	.0
335. *	.1	.7	.6	1.1	1.0	.4	.5	.1	.2	.2	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0
340. *	.1	.6	.6	1.1	1.0	.6	.4	.2	.1	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
345. *	.1	.7	.6	1.1	1.0	.6	.5	.3	.0	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
350. *	.1	.6	.6	1.1	1.0	.5	.5	.4	.0	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
355. *	.0	.6	.6	1.2	.9	.5	.6	.4	.0	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
360. *	.0	.6	.6	1.2	.9	.5	.6	.4	.0	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0
MAX *	1.0	1.1	1.3	1.5	1.5	1.0	.6	.4	.6	.6	.6	.4	.4	.3	.5	.7	.7	.6	.4	.2
DEGR. *	290	75	65	295	290	30	0	0	170	295	295	280	275	65	255	250	130	125	130	160

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2021PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54
0. *	.0	.1	.1	.1	.1	.0	.0	.0	.3	.3	.6	.3	.3	.3
5. *	.0	.1	.1	.1	.1	.0	.0	.0	.3	.2	.6	.3	.4	.3
10. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.5	.3	.4	.3
15. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.5	.3	.4	.3
20. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.5	.5	.4	.3
25. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.6	.5	.4	.2
30. *	.0	.1	.1	.1	.1	.0	.0	.0	.3	.3	.6	.5	.5	.2
35. *	.0	.1	.1	.1	.1	.0	.0	.0	.3	.3	.6	.3	.4	.2
40. *	.0	.1	.1	.1	.1	.0	.0	.0	.3	.4	.6	.3	.4	.2
45. *	.0	.1	.1	.1	.1	.0	.0	.0	.3	.4	.6	.4	.4	.2
50. *	.0	.1	.1	.1	.1	.0	.0	.0	.3	.4	.6	.4	.5	.2
55. *	.0	.1	.1	.1	.1	.0	.0	.0	.3	.4	.6	.3	.5	.2
60. *	.0	.1	.1	.1	.1	.0	.0	.0	.3	.5	.5	.3	.5	.2
65. *	.0	.1	.1	.1	.1	.0	.0	.0	.3	.5	.6	.4	.5	.2
70. *	.0	.1	.1	.1	.1	.0	.0	.0	.3	.6	.7	.4	.5	.2

75.	*	.0	.1	.1	.1	.1	.0	.0	.0	.3	.5	.5	.4	.5	.2
80.	*	.0	.1	.1	.1	.2	.0	.0	.0	.3	.6	.5	.3	.3	.2
85.	*	.0	.1	.1	.1	.2	.1	.2	.1	.2	.4	.4	.3	.3	.2
90.	*	.0	.1	.1	.2	.4	.2	.2	.2	.1	.3	.3	.3	.3	.2
95.	*	.0	.1	.1	.2	.4	.3	.4	.2	.1	.2	.2	.2	.3	.2
100.	*	.0	.1	.1	.3	.4	.3	.4	.2	.1	.0	.0	.2	.3	.3
105.	*	.0	.1	.2	.3	.4	.5	.3	.2	.0	.0	.0	.1	.3	.5
110.	*	.0	.1	.2	.3	.5	.3	.3	.2	.0	.0	.0	.2	.4	.4
115.	*	.0	.1	.1	.2	.4	.3	.3	.2	.0	.1	.1	.3	.5	.4
120.	*	.0	.1	.1	.1	.4	.3	.4	.2	.0	.1	.2	.5	.5	.4
125.	*	.0	.1	.1	.1	.3	.4	.4	.2	.0	.1	.1	.5	.4	.4
130.	*	.1	.1	.1	.2	.4	.5	.2	.2	.0	.1	.1	.5	.4	.4
135.	*	.1	.1	.1	.3	.4	.5	.2	.2	.0	.0	.1	.4	.4	.4
140.	*	.1	.0	.1	.2	.3	.4	.2	.2	.0	.0	.0	.4	.3	.4
145.	*	.1	.0	.1	.3	.3	.4	.2	.2	.1	.0	.0	.4	.3	.5
150.	*	.1	.0	.1	.3	.3	.3	.2	.2	.2	.0	.0	.2	.3	.3
155.	*	.1	.0	.1	.3	.4	.3	.2	.3	.2	.0	.0	.1	.2	.2
160.	*	.1	.0	.0	.3	.4	.3	.2	.3	.3	.0	.0	.2	.2	.4
165.	*	.1	.0	.0	.3	.4	.3	.2	.4	.3	.0	.0	.1	.2	.4
170.	*	.1	.0	.0	.3	.4	.3	.2	.4	.3	.0	.0	.0	.1	.3
175.	*	.1	.0	.0	.3	.4	.2	.2	.4	.3	.1	.0	.0	.0	.2
180.	*	.1	.1	.0	.3	.4	.2	.2	.4	.3	.1	.0	.0	.0	.2
185.	*	.2	.1	.0	.3	.4	.2	.3	.5	.3	.1	.0	.0	.1	.1
190.	*	.2	.1	.0	.2	.4	.2	.3	.5	.3	.1	.1	.0	.0	.1
195.	*	.2	.1	.1	.2	.4	.2	.3	.5	.3	.2	.1	.0	.0	.1
200.	*	.2	.1	.1	.3	.3	.3	.4	.5	.3	.1	.1	.0	.1	.1
205.	*	.2	.1	.2	.3	.3	.3	.4	.4	.3	.2	.1	.0	.1	.2

1

JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2021PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54
210.	*	.2	.1	.2	.3	.4	.3	.4	.4	.3	.2	.1	.0	.0	.1
215.	*	.2	.1	.2	.3	.4	.4	.4	.4	.3	.2	.1	.0	.1	.1
220.	*	.2	.1	.2	.3	.4	.4	.4	.4	.3	.2	.2	.0	.1	.1
225.	*	.2	.1	.2	.3	.3	.4	.4	.4	.3	.2	.2	.1	.1	.1
230.	*	.1	.0	.2	.3	.3	.4	.4	.4	.3	.2	.2	.1	.1	.1
235.	*	.1	.0	.1	.3	.3	.4	.4	.4	.3	.2	.2	.1	.1	.1
240.	*	.1	.0	.1	.3	.3	.3	.4	.4	.3	.2	.2	.1	.1	.1
245.	*	.1	.0	.1	.3	.3	.3	.3	.3	.3	.2	.2	.1	.1	.1
250.	*	.1	.0	.0	.3	.3	.3	.4	.3	.3	.2	.2	.1	.2	.1
255.	*	.1	.0	.0	.3	.3	.3	.3	.3	.3	.3	.2	.2	.2	.2
260.	*	.1	.0	.0	.0	.3	.3	.3	.2	.4	.2	.2	.3	.2	.2
265.	*	.1	.0	.0	.0	.2	.2	.3	.2	.4	.2	.2	.3	.1	.2
270.	*	.1	.0	.0	.0	.1	.1	.1	.1	.3	.3	.4	.5	.1	.1
275.	*	.1	.0	.0	.0	.0	.0	.1	.0	.3	.4	.4	.5	.1	.1
280.	*	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	.5	.2	.1
285.	*	.1	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.5	.1	.1
290.	*	.1	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.5	.1	.0
295.	*	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4	.5	.1	.0
300.	*	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4	.5	.2	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4	.5	.2	.0
310.	*	.0	.0	.0	.1	.0	.0	.0	.0	.3	.3	.5	.4	.2	.0
315.	*	.0	.0	.1	.1	.1	.0	.0	.0	.3	.3	.5	.5	.2	.0
320.	*	.0	.0	.1	.1	.1	.0	.0	.0	.3	.3	.5	.5	.2	.0
325.	*	.0	.0	.1	.1	.1	.0	.0	.0	.3	.3	.5	.5	.2	.1
330.	*	.0	.0	.1	.1	.1	.0	.0	.0	.3	.3	.6	.3	.2	.1
335.	*	.0	.0	.1	.1	.1	.0	.0	.0	.2	.2	.5	.3	.1	.1
340.	*	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.5	.2	.1	.1
345.	*	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.5	.2	.1	.2
350.	*	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.6	.3	.1	.3
355.	*	.0	.1	.1	.1	.1	.0	.0	.0	.3	.3	.6	.3	.2	.3
360.	*	.0	.1	.1	.1	.1	.0	.0	.0	.3	.3	.6	.3	.3	.3
MAX	*	.2	.1	.2	.3	.5	.5	.4	.5	.4	.6	.7	.5	.5	.5
DEGR.	*	185	0	105	100	110	105	95	185	260	70	70	20	30	105

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 95 DEGREES FROM REC18.
THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 295 DEGREES FROM REC24.
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 290 DEGREES FROM REC25.

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S4 US40 & FRANKLIN NB                   60.0321.0.0000.000540.30480000    1    1
1 SE MID                 1157.      534.        5.
2 SE 164                 1085.      679.        5.
1 SE 82                  1050.      751.        5.
1 SE COR                 1018.      818.        5.
1 ES 82                  1090.      823.        5.
1 ES 164                 1172.      828.        5.
1 ES MID                 1379.      839.        5.
1 EN MID                 1369.      941.        5.
1 EN 164                 1132.      929.        5.
1 EN 82                  1050.      925.        5.
1 NE COR                  956.      923.        5.
1 NE 82                   914.     1003.        5.
1 NE 164                  877.     1076.        5.
1 NE MID                  769.     1287.        5.
1 NW MID                  712.     1275.        5.
1 NW 164                  802.     1089.        5.
1 NW 82                   853.      999.        5.
1 NW COR                  892.      923.        5.
1 WN 82                   806.      915.        5.
1 WN 164                  724.      916.        5.
1 WN MID                  514.      983.        5.
1 WS MID                  564.      842.        5.
1 WS 164                  779.      808.        5.
1 WS 82                   862.      812.        5.
1 SW COR                  944.      817.        5.
1 SW 82                   974.      751.        5.
1 SW 164                 1019.      663.        5.
1 SW MID                 1093.      507.        5.
2 164SE                   836.     1157.        5.
2 82SE                    797.     1234.        5.
2 SE COR                  765.     1311.        5.
2 ES 82                   847.     1322.        5.
2 ES 164                  929.     1324.        5.
2 ES MID                 1166.     1330.        5.
2 EN MID                  954.     1404.        5.
2 EN 164                  855.     1402.        5.
2 EN 82                   762.     1399.        5.
2 NE COR                  686.     1399.        5.
2 NE 82                   613.     1470.        5.
2 NE 164                  548.     1539.        5.
2 NE MID                  427.     1648.        5.
2 NW MID                  373.     1622.        5.
2 NW 164                  503.     1503.        5.
2 NW 82                   563.     1446.        5.
2 NW COR                  597.     1406.        5.
2 WN 82                   539.     1402.        5.
2 WN 164                  453.     1392.        5.
2 WN MID                  289.     1394.        5.
2 WS MID                  310.     1301.        5.
2 WS 164                  507.     1308.        5.
2 WS 82                   587.     1312.        5.
2 SW COR                  691.     1314.        5.
2 SW 82                   732.     1233.        5.
2 SW 164                  769.     1158.        5.
S4 US40 & FRANK NB2035AM                 31  1   0
  1
FRANK     NB LTR    AG  1430.   -35.   972.   848.    160. 7.9  0. 44.   25.
  2
FRANK     NB LTR    AG   993.   806.  1096.   608.      0. 24.   2
       110        82         3  160   42.1 1097 1 3
  1
FRAED     NB LTR    AG   972.   848.   718.  1342.    160. 7.9  0. 32.   25.
  2
FRAED     NB LTR    AG   741.  1296.   815.  1154.      0. 12.   1
       110        64         3  160   42.1 1779 1 3
  1
FRANK     NB D      AG   718.  1342.   352.  1682.    170. 7.9  0. 32.   25.
  1
FRANK     SB LTR    AG   719.  1304.   933.   885.    490. 7.9  0. 44.   25.
  2
FRANK     SB LTR    AG   914.   923.   798.  1149.      0. 24.   2
       110        81         3  490   42.1 1516 1 3
  1
FRANK     SB D      AG   933.   885.  1400.   -39.    410. 7.9  0. 32.   25.
  1
US40      EB LTR    AG    41.  1280.   424.   948.   2540. 7.9  0. 56.   35.
  1
US40      EB LTR    AG   424.   948.   531.   888.   2540. 7.9  0. 56.   35.
  1
US40      EB LTR    AG   531.   888.   660.   848.   2540. 7.9  0. 56.   35.
  1
US40      EB LTR    AG   660.   848.   719.   841.   2540. 7.9  0. 56.   35.
  1
US40      EB LTR    AG   719.   841.   960.   842.   2540. 7.9  0. 56.   35.
  2
US40      EB LTR    AG   919.   842.   798.   841.      0. 36.   3
       110        41         6 2540   42.1 1633 1 3
  1
US40      EB D      AG   960.   842.  1972.   900.   2705. 7.9  0. 56.   35.
  1
US40      WB LTR    AG  1967.   941.  1453.   918.   1260. 7.9  0. 56.   35.
  1
US40      WB TR     AG  1453.   918.   942.   891.   1175. 7.9  0. 56.   35.
  2
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US40      WB TR     AG   982.   893.  1280.   909.      0. 36.   3
       110        32         3 1175   42.1 1733 1 3
  1
US40      WB L      AG  1441.   895.   953.   870.     85. 7.9  0. 32.   35.
  2
US40      WB L      AG   995.   872.  1367.   891.      0. 12.   1
       110        35         3   85   42.1  115 1 3
  1
US40      WB D      AG   942.   891.   763.   884.   1125. 7.9  0. 56.   35.
  1
US40      WB D      AG   763.   884.   652.   895.   1125. 7.9  0. 56.   35.
  1
US40      WB D      AG   652.   895.   543.   932.   1125. 7.9  0. 56.   35.
  1
US40      WB D      AG   543.   932.   424.  1006.   1125. 7.9  0. 56.   35.
  1
US40      WB D      AG   424.  1006.    48.  1341.   1125. 7.9  0. 56.   25.
  1
EDMO      EB LTR    AG    49.  1321.   703.  1345.    345. 7.9  0. 44.   25.
  2
EDMO      EB LTR    AG   653.  1343.   417.  1334.      0. 24.   2
       110        49         3  345   42.1 1401 1 3
  1
EDMO      EB D      AG   703.  1345.  1845.  1379.    155. 7.9  0. 44.   25.
  1
EDMO      WB LTR    AG  1815.  1406.   679.  1368.    365. 7.9  0. 44.   25.
  2
EDMO      WB LTR    AG   723.  1370.   984.  1378.      0. 24.   2
       110        49         3  365   42.1 1157 1 3
  1
EDMO      WB D      AG   679.  1368.    48.  1353.    245. 7.9  0. 44.   25.
1.0   04  1000   0Y  5  0 72
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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM
DATE: 09/10/2012 TIME: 11:09:28.00

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. FRANK	NB LTR	*	1430.0	-35.0	972.0	848.0	*	995.	333.	AG	160.	7.9	.0	44.0		
2. FRANK	NB LTR	*	993.0	806.0	1009.6	774.2	*	36.	153.	AG	168.	100.0	.0	24.0	.31	1.8
3. FRAED	NB LTR	*	972.0	848.0	718.0	1342.0	*	555.	333.	AG	160.	7.9	.0	32.0		
4. FRAED	NB LTR	*	741.0	1296.0	766.9	1246.3	*	56.	152.	AG	66.	100.0	.0	12.0	.23	2.8
5. FRANK	NB D	*	718.0	1342.0	352.0	1682.0	*	500.	313.	AG	170.	7.9	.0	32.0		
6. FRANK	SB LTR	*	719.0	1304.0	933.0	885.0	*	470.	153.	AG	490.	7.9	.0	44.0		
7. FRANK	SB LTR	*	914.0	923.0	864.4	1019.5	*	109.	333.	AG	166.	100.0	.0	24.0	.67	5.5
8. FRANK	SB D	*	933.0	885.0	1400.0	-39.0	*	1035.	153.	AG	410.	7.9	.0	32.0		
9. US40	EB LTR	*	41.0	1280.0	424.0	948.0	*	507.	131.	AG	2540.	7.9	.0	56.0		
10. US40	EB LTR	*	424.0	948.0	531.0	888.0	*	123.	119.	AG	2540.	7.9	.0	56.0		
11. US40	EB LTR	*	531.0	888.0	660.0	848.0	*	135.	107.	AG	2540.	7.9	.0	56.0		
12. US40	EB LTR	*	660.0	848.0	719.0	841.0	*	59.	97.	AG	2540.	7.9	.0	56.0		
13. US40	EB LTR	*	719.0	841.0	960.0	842.0	*	241.	90.	AG	2540.	7.9	.0	56.0		
14. US40	EB LTR	*	919.0	842.0	715.5	840.3	*	203.	270.	AG	126.	100.0	.0	36.0	.86	10.3
15. US40	EB D	*	960.0	842.0	1972.0	900.0	*	1014.	87.	AG	2705.	7.9	.0	56.0		
16. US40	WB LTR	*	1967.0	941.0	1453.0	918.0	*	515.	267.	AG	1260.	7.9	.0	56.0		
17. US40	WB TR	*	1453.0	918.0	942.0	891.0	*	512.	267.	AG	1175.	7.9	.0	56.0		
18. US40	WB TR	*	982.0	893.0	1050.3	896.7	*	68.	87.	AG	99.	100.0	.0	36.0	.33	3.5
19. US40	WB L	*	1441.0	895.0	953.0	870.0	*	489.	267.	AG	85.	7.9	.0	32.0		
20. US40	WB L	*	995.0	872.0	1147.5	879.8	*	153.	87.	AG	36.	100.0	.0	12.0	1.12	7.8
21. US40	WB D	*	942.0	891.0	763.0	884.0	*	179.	268.	AG	1125.	7.9	.0	56.0		
22. US40	WB D	*	763.0	884.0	652.0	895.0	*	112.	276.	AG	1125.	7.9	.0	56.0		
23. US40	WB D	*	652.0	895.0	543.0	932.0	*	115.	289.	AG	1125.	7.9	.0	56.0		
24. US40	WB D	*	543.0	932.0	424.0	1006.0	*	140.	302.	AG	1125.	7.9	.0	56.0		
25. US40	WB D	*	424.0	1006.0	48.0	1341.0	*	504.	312.	AG	1125.	7.9	.0	56.0		
26. EDMO	EB LTR	*	49.0	1321.0	703.0	1345.0	*	654.	88.	AG	345.	7.9	.0	44.0		
27. EDMO	EB LTR	*	653.0	1343.0	606.9	1341.2	*	46.	268.	AG	101.	100.0	.0	24.0	.23	2.3
28. EDMO	EB D	*	703.0	1345.0	1845.0	1379.0	*	1143.	88.	AG	155.	7.9	.0	44.0		
29. EDMO	WB LTR	*	1815.0	1406.0	679.0	1368.0	*	1137.	268.	AG	365.	7.9	.0	44.0		
30. EDMO	WB LTR	*	723.0	1370.0	771.7	1371.5	*	49.	88.	AG	101.	100.0	.0	24.0	.29	2.5
31. EDMO	WB D	*	679.0	1368.0	48.0	1353.0	*	631.	269.	AG	245.	7.9	.0	44.0		

JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM
DATE: 09/10/2012 TIME: 11:09:28.00

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. FRANK	NB LTR	*	110	82	.3	160	1097	42.10	1	3
4. FRAED	NB LTR	*	110	64	.3	160	1779	42.10	1	3
7. FRANK	SB LTR	*	110	81	.3	490	1516	42.10	1	3
14. US40	EB LTR	*	110	41	.6	2540	1633	42.10	1	3
18. US40	WB TR	*	110	32	.3	1175	1733	42.10	1	3
20. US40	WB L	*	110	35	.3	85	115	42.10	1	3
27. EDMO	EB LTR	*	110	49	.3	345	1401	42.10	1	3
30. EDMO	WB LTR	*	110	49	.3	365	1157	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. 1 SE MID	*	1157.0	534.0	5.0	*
2. 2 SE 164	*	1085.0	679.0	5.0	*
3. 1 SE 82	*	1050.0	751.0	5.0	*
4. 1 SE COR	*	1018.0	818.0	5.0	*
5. 1 ES 82	*	1090.0	823.0	5.0	*
6. 1 ES 164	*	1172.0	828.0	5.0	*
7. 1 ES MID	*	1379.0	839.0	5.0	*
8. 1 EN MID	*	1369.0	941.0	5.0	*
9. 1 EN 164	*	1132.0	929.0	5.0	*
10. 1 EN 82	*	1050.0	925.0	5.0	*
11. 1 NE COR	*	956.0	923.0	5.0	*
12. 1 NE 82	*	914.0	1003.0	5.0	*
13. 1 NE 164	*	877.0	1076.0	5.0	*
14. 1 NE MID	*	769.0	1287.0	5.0	*
15. 1 NW MID	*	712.0	1275.0	5.0	*
16. 1 NW 164	*	802.0	1089.0	5.0	*
17. 1 NW 82	*	853.0	999.0	5.0	*
18. 1 NW COR	*	892.0	923.0	5.0	*
19. 1 WN 82	*	806.0	915.0	5.0	*
20. 1 WN 164	*	724.0	916.0	5.0	*
21. 1 WN MID	*	514.0	983.0	5.0	*

22. 1 WS MID	564.0	842.0	5.0	
23. 1 WS 164	779.0	808.0	5.0	
24. 1 WS 82	862.0	812.0	5.0	
25. 1 SW COR	944.0	817.0	5.0	
26. 1 SW 82	974.0	751.0	5.0	
27. 1 SW 164	1019.0	663.0	5.0	
28. 1 SW MID	1093.0	507.0	5.0	
29. 2 164SE	836.0	1157.0	5.0	
30. 2 82SE	797.0	1234.0	5.0	
31. 2 SE COR	765.0	1311.0	5.0	
32. 2 ES 82	847.0	1322.0	5.0	
33. 2 ES 164	929.0	1324.0	5.0	
34. 2 ES MID	1166.0	1330.0	5.0	
35. 2 EN MID	954.0	1404.0	5.0	
36. 2 EN 164	855.0	1402.0	5.0	
37. 2 EN 82	762.0	1399.0	5.0	

1

JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM
DATE: 09/10/2012 TIME: 11:09:28.00

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
38. 2 NE COR	686.0	1399.0	5.0
39. 2 NE 82	613.0	1470.0	5.0
40. 2 NE 164	548.0	1539.0	5.0
41. 2 NE MID	427.0	1648.0	5.0
42. 2 NW MID	373.0	1622.0	5.0
43. 2 NW 164	503.0	1503.0	5.0
44. 2 NW 82	563.0	1446.0	5.0
45. 2 NW COR	597.0	1406.0	5.0
46. 2 WN 82	539.0	1402.0	5.0
47. 2 WN 164	453.0	1392.0	5.0
48. 2 WN MID	289.0	1394.0	5.0
49. 2 WS MID	310.0	1301.0	5.0
50. 2 WS 164	507.0	1308.0	5.0
51. 2 WS 82	587.0	1312.0	5.0
52. 2 SW COR	691.0	1314.0	5.0
53. 2 SW 82	732.0	1233.0	5.0
54. 2 SW 164	769.0	1158.0	5.0

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.2	.3	.4	1.0	.9	.9	.9	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.8	.1	.0
5.	.2	.3	.4	1.0	.9	.9	.9	.0	.0	.0	.0	.0	.0	.1	.2	.2	.3	.8	.1	.0
10.	.2	.3	.4	1.0	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.2	.2	.4	.8	.1	.0
15.	.2	.3	.4	1.0	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.2	.2	.4	.8	.1	.0
20.	.2	.3	.4	1.0	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.2	.1	.4	.8	.2	.0
25.	.1	.3	.4	1.0	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.2	.1	.4	.7	.2	.0
30.	.1	.3	.4	1.0	.9	.9	.8	.0	.0	.0	.0	.0	.0	.0	.2	.1	.4	.6	.2	.0
35.	.1	.3	.4	.9	1.0	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.1	.1	.4	.6	.2	.0
40.	.2	.3	.5	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.5	.6	.2	.0
45.	.2	.3	.5	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.5	.6	.3	.0
50.	.1	.4	.5	1.1	1.1	1.1	1.1	.0	.0	.0	.0	.0	.0	.1	.1	.1	.5	.6	.3	.1
55.	.1	.4	.5	1.1	1.1	1.2	1.2	.0	.0	.0	.0	.0	.0	.1	.2	.1	.6	.6	.3	.1
60.	.1	.3	.5	1.2	1.2	1.2	1.2	.1	.1	.1	.0	.0	.0	.1	.3	.1	.6	.6	.3	.1
65.	.1	.3	.5	1.3	1.3	1.4	1.2	.1	.1	.1	.1	.0	.0	.1	.3	.1	.6	.6	.4	.1
70.	.1	.3	.6	1.3	1.5	1.4	1.3	.2	.1	.1	.1	.0	.0	.1	.3	.1	.6	.6	.4	.1
75.	.0	.2	.5	1.4	1.4	1.4	1.3	.3	.3	.3	.3	.0	.0	.1	.2	.1	.6	.7	.5	.3
80.	.0	.1	.4	1.3	1.4	1.4	1.2	.5	.5	.4	.3	.0	.0	.0	.2	.1	.6	.8	.5	.5
85.	.0	.1	.2	1.3	1.3	1.3	1.1	.6	.6	.6	.6	.1	.0	.0	.2	.1	.7	.9	.6	.6
90.	.0	.0	.1	1.0	.9	1.0	.9	.7	.8	.8	.9	.2	.1	.0	.2	.2	.8	1.1	.8	.8
95.	.0	.0	.1	.7	.7	.7	.7	.8	.9	.9	.9	.3	.1	.0	.2	.2	.9	1.2	1.0	.8
100.	.0	.0	.0	.5	.5	.5	.5	.9	.9	.9	.9	.3	.1	.0	.2	.2	1.0	1.2	.9	1.0
105.	.0	.0	.0	.3	.4	.4	.3	.9	.9	1.0	1.1	.3	.3	.1	.4	.4	1.2	1.2	.8	1.0
110.	.0	.0	.0	.2	.2	.2	.2	1.0	.9	.9	1.1	.4	.3	.1	.4	.5	1.2	1.1	1.0	1.0
115.	.0	.0	.0	.2	.2	.2	.2	.9	.9	.9	1.1	.4	.3	.1	.4	.5	1.2	1.1	.9	1.0
120.	.0	.0	.0	.1	.1	.1	.1	.9	.9	.9	1.0	.4	.3	.1	.4	.6	1.2	1.2	.9	1.1
125.	.0	.0	.0	.1	.1	.1	.1	.8	.8	.8	1.0	.4	.3	.1	.3	.6	1.1	1.0	.8	1.0
130.	.0	.0	.0	.1	.1	.1	.1	.7	.8	.7	.9	.4	.3	.1	.3	.6	1.1	.9	1.0	.9
135.	.0	.0	.0	.1	.1	.1	.1	.7	.7	.7	.9	.4	.3	.1	.3	.6	1.3	.9	1.0	.9
140.	.0	.0	.0	.1	.1	.1	.1	.7	.7	.7	.8	.4	.3	.1	.3	.7	1.2	.9	.9	.9
145.	.1	.0	.0	.1	.1	.1	.1	.7	.7	.7	.8	.4	.4	.1	.3	.6	1.1	.7	.9	1.0
150.	.1	.1	.1	.0	.1	.1	.0	.7	.7	.7	.9	.4	.3	.2	.4	.7	.9	.8	.9	.9
155.	.2	.2	.2	.2	.0	.0	.0	.7	.7	.7	.9	.5	.5	.3	.3	.4	.9	.9	.9	.9
160.	.2	.2	.2	.2	.0	.0	.0	.7	.7	.8	.9	.7	.6	.3	.3	.5	.7	.8	.9	.8

165. *	.2	.2	.2	.3	.0	.0	.0	.7	.7	.8	.9	.8	.7	.3	.2	.5	.6	.9	.9	.9
170. *	.2	.2	.2	.3	.0	.0	.0	.7	.7	.8	.7	.8	.7	.4	.2	.3	.6	.7	.9	.9
175. *	.2	.2	.2	.3	.0	.0	.0	.7	.7	.8	.8	.8	.8	.4	.2	.3	.4	.7	.9	.8
180. *	.2	.2	.2	.4	.0	.0	.0	.7	.7	.8	.8	.8	.9	.4	.0	.3	.4	.8	.9	.8
185. *	.2	.2	.2	.4	.0	.0	.0	.7	.7	.9	.6	.9	.8	.4	.0	.3	.4	.8	.9	.8
190. *	.2	.2	.2	.4	.0	.0	.0	.7	.7	.9	.8	.9	.8	.3	.1	.2	.4	.9	.9	.7
195. *	.2	.2	.1	.4	.0	.0	.0	.7	.7	1.0	.9	.9	.8	.3	.1	.2	.4	.9	.9	.8
200. *	.1	.1	.1	.4	.0	.0	.0	.7	.7	1.0	.8	.9	.5	.3	.1	.2	.4	.9	.9	.7
205. *	.1	.1	.1	.6	.1	.1	.1	.7	.8	1.1	.6	.8	.5	.3	.0	.3	.4	.9	.9	.6

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR) *	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.1	.1	.1	.6	.1	.1	.1	.7	.8	1.1	.8	.9	.4	.2	.0	.2	.4	.8	.9	.7
215. *	.1	.1	.1	.6	.1	.1	.1	.7	.8	1.0	.9	.9	.2	.2	.1	.1	.4	.8	1.0	.7
220. *	.1	.1	.1	.6	.1	.1	.1	.7	.8	1.0	1.0	.9	.3	.3	.0	.1	.5	.9	.9	.6
225. *	.1	.1	.1	.5	.1	.1	.1	.8	.9	1.1	1.0	.9	.2	.3	.1	.1	.5	.9	.8	.7
230. *	.1	.1	.1	.5	.2	.1	.1	.8	1.0	1.1	1.0	.8	.2	.4	.1	.1	.4	.8	.7	.7
235. *	.1	.1	.1	.5	.2	.1	.1	.8	.9	1.2	1.1	1.0	.2	.4	.1	.2	.3	.8	.8	.6
240. *	.1	.1	.1	.4	.3	.2	.2	.8	1.0	1.2	1.0	.8	.2	.4	.1	.1	.2	.8	.7	.8
245. *	.1	.1	.1	.5	.3	.2	.2	.8	1.0	1.1	1.0	.6	.2	.4	.1	.1	.2	.9	.8	.8
250. *	.1	.1	.1	.6	.5	.3	.3	1.0	1.1	1.0	1.1	.6	.2	.3	.1	.2	.2	.9	.7	.8
255. *	.1	.1	.1	.7	.6	.5	.5	.9	1.0	.9	.9	.6	.2	.3	.2	.1	.2	.8	.7	.8
260. *	.1	.1	.1	.9	.9	.7	.8	.8	1.0	.9	.8	.5	.2	.3	.1	.1	.3	.6	.8	.6
265. *	.1	.1	.1	1.0	1.0	.9	1.0	.7	.7	.8	.6	.5	.2	.3	.1	.1	.2	.5	.6	.6
270. *	.1	.1	.2	1.2	1.2	1.1	1.2	.5	.7	.6	.8	.5	.2	.3	.1	.2	.1	.5	.6	.6
275. *	.1	.1	.3	1.5	1.3	1.3	1.2	.4	.5	.5	.5	.5	.2	.3	.0	.2	.1	.4	.6	.7
280. *	.1	.1	.5	1.6	1.4	1.5	1.4	.2	.3	.3	.5	.5	.2	.3	.1	.2	.1	.2	.6	.6
285. *	.1	.2	.7	1.5	1.4	1.4	1.3	.1	.3	.4	.6	.4	.2	.3	.1	.1	.1	.1	.2	.7
290. *	.2	.5	.6	1.4	1.5	1.4	1.2	.1	.2	.4	.6	.5	.2	.3	.1	.0	.1	.1	.2	.7
295. *	.2	.5	.8	1.3	1.5	1.2	1.2	.1	.1	.2	.6	.4	.2	.3	.1	.0	.1	.1	.2	.3
300. *	.4	.6	1.1	1.3	1.4	1.1	1.1	.1	.0	.2	.5	.3	.2	.1	.2	.0	.0	.1	.1	.2
305. *	.4	.6	.9	1.3	1.1	1.1	1.1	.0	.0	.2	.5	.3	.2	.0	.2	.0	.0	.0	.1	.2
310. *	.3	.7	.8	1.3	1.2	1.0	1.0	.0	.0	.0	.5	.3	.2	.0	.2	.0	.1	.1	.0	.1
315. *	.3	.7	.9	1.2	1.2	1.0	1.0	.0	.0	.0	.5	.2	.2	.0	.2	.0	.1	.2	.0	.0
320. *	.3	.5	.8	1.2	1.0	.9	.9	.0	.0	.0	.4	.2	.2	.0	.1	.1	.1	.2	.0	.0
325. *	.4	.5	.7	1.0	1.0	.9	.9	.0	.0	.0	.4	.2	.2	.0	.0	.1	.1	.3	.0	.0
330. *	.4	.5	.7	1.0	1.0	.9	.9	.0	.0	.0	.3	.2	.2	.1	.1	.1	.2	.4	.0	.0
335. *	.2	.3	.5	1.1	1.0	.9	.9	.0	.0	.0	.2	.1	.1	.1	.1	.1	.2	.5	.0	.0
340. *	.1	.3	.5	.9	.9	.9	.9	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.6	.0	.0
345. *	.1	.3	.5	1.0	.9	.9	.9	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.7	.0	.0
350. *	.2	.3	.5	1.0	.9	.9	.9	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.8	.0	.0
355. *	.2	.3	.5	1.0	.9	.9	.9	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.8	.1	.0
360. *	.2	.3	.4	1.0	.9	.9	.9	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.8	.1	.0
MAX *	.4	.7	1.1	1.6	1.5	1.5	1.4	1.0	1.1	1.2	1.1	1.0	.9	.4	.4	.7	1.3	1.2	1.0	1.1
DEGR. *	300	310	300	280	70	280	280	110	250	235	250	235	180	170	105	140	135	95	95	120

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR) *	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0. *	.0	.7	1.0	1.5	1.1	.6	.5	.3	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
5. *	.0	.7	1.0	1.4	1.0	.7	.4	.3	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
10. *	.0	.7	1.0	1.4	.9	.7	.4	.3	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
15. *	.0	.8	1.1	1.3	.9	.8	.4	.3	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
20. *	.0	.8	1.2	1.3	1.1	.8	.4	.3	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
25. *	.0	.8	1.2	1.3	1.2	.8	.4	.2	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
30. *	.0	.8	1.2	1.2	1.2	.7	.4	.2	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
35. *	.0	.7	1.3	1.2	1.2	.8	.4	.2	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
40. *	.0	.7	1.4	1.3	1.2	.8	.4	.2	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
45. *	.0	.7	1.4	1.4	1.2	.8	.4	.2	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
50. *	.0	.8	1.4	1.3	1.3	.8	.4	.2	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
55. *	.0	.8	1.3	1.3	1.4	.8	.4	.2	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
60. *	.0	.8	1.4	1.5	1.5	.7	.3	.2	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
65. *	.0	1.0	1.5	1.5	1.4	.7	.3	.2	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
70. *	.0	1.2	1.4	1.5	1.6	.7	.3	.2	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
75. *	.0	1.2	1.5	1.5	1.5	.7	.3	.1	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
80. *	.0	1.4	1.3	1.3	1.4	.4	.2	.1	.0	.0	.1	.2	.2	.2	.1	.1	.1	.1	.0	.0
85. *	.1	1.5	1.3	1.2	1.5	.3	.2	.1	.0	.0	.1	.2	.2	.1	.1	.1	.1	.1	.0	.0
90. *	.1	1.5	.9	1.1	1.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0	.0
95. *	.3	1.1	.7	.8	1.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0	.0
100. *	.4	.9	.5	.5	.8	.1	.1	.1	.1	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0	.0
105. *	.5	.7	.3	.4	.7	.1	.1	.1	.1	.1	.1	.0	.0	.0	.1	.1	.1	.2	.0	.0
110. *	.6	.5	.1	.2	.5	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1	.1	.1	.3	.0	.0
115. *	.7	.4	.1	.1	.4	.1	.1	.1	.2	.1	.1	.1	.1	.1	.2	.2	.2	.3	.1	.1
120. *	.7	.1	.1	.1	.4	.1	.1	.1	.3	.1	.1	.1	.1	.1	.2	.2	.2	.3	.1	.1

125. *	.9	.1	.0	.2	.3	.1	.1	.1	.3	.2	.1	.1	.1	.1	.2	.2	.2	.3	.1	.1
130. *	.8	.1	.0	.2	.3	.1	.1	.1	.3	.2	.1	.1	.1	.1	.2	.2	.2	.3	.1	.1
135. *	.8	.0	.0	.2	.3	.2	.2	.1	.2	.2	.1	.1	.1	.1	.2	.2	.2	.3	.1	.1
140. *	.8	.0	.0	.1	.3	.2	.2	.1	.2	.2	.1	.1	.1	.1	.2	.2	.2	.3	.1	.1
145. *	.6	.0	.0	.0	.3	.1	.1	.1	.2	.1	.1	.1	.1	.1	.2	.2	.3	.3	.2	.1
150. *	.7	.0	.0	.0	.2	.1	.1	.1	.3	.2	.2	.1	.1	.1	.2	.2	.3	.3	.1	.0
155. *	.7	.0	.0	.0	.1	.1	.1	.1	.5	.5	.2	.1	.1	.1	.2	.2	.3	.2	.1	.0
160. *	.7	.0	.0	.0	.1	.1	.1	.1	.5	.5	.2	.1	.1	.1	.2	.2	.2	.3	.1	.0
165. *	.8	.0	.0	.0	.1	.1	.1	.0	.4	.4	.2	.1	.1	.1	.2	.2	.5	.3	.1	.0
170. *	.7	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.1	.1	.1	.2	.1	.5	.3	.1	.0
175. *	.7	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.1	.1	.1	.2	.2	.5	.1	.1	.0
180. *	.7	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.1	.1	.1	.1	.2	.5	.1	.0	.0
185. *	.7	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.2	.1	.1	.2	.2	.4	.2	.0	.0
190. *	.6	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2	.2	.1	.1	.2	.2	.4	.1	.0	.0
195. *	.6	.0	.0	.0	.0	.0	.0	.0	.3	.1	.2	.1	.1	.1	.2	.1	.3	.1	.0	.1
200. *	.7	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.1	.1	.1	.1	.1	.4	.1	.0	.1
205. *	.7	.0	.0	.0	.1	.0	.0	.0	.2	.2	.2	.0	.0	.0	.1	.1	.4	.2	.1	.1

1

JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210. *	.7	.0	.0	.0	.1	.0	.0	.0	.2	.2	.2	.0	.0	.1	.1	.1	.3	.2	.1	.1
215. *	.7	.0	.0	.0	.1	.0	.0	.0	.2	.2	.2	.0	.0	.1	.1	.1	.3	.3	.1	.1
220. *	.7	.0	.0	.1	.1	.0	.0	.0	.2	.1	.2	.0	.0	.1	.1	.1	.4	.4	.1	.1
225. *	.6	.0	.0	.1	.1	.0	.0	.0	.2	.1	.3	.0	.0	.0	.1	.1	.4	.4	.1	.1
230. *	.6	.0	.0	.1	.1	.0	.0	.0	.2	.1	.3	.0	.0	.0	.1	.2	.4	.4	.1	.1
235. *	.7	.0	.0	.1	.1	.0	.0	.0	.2	.2	.3	.1	.0	.0	.2	.2	.4	.4	.1	.1
240. *	.7	.0	.0	.1	.2	.0	.0	.0	.1	.2	.3	.1	.1	.0	.2	.2	.4	.4	.1	.1
245. *	.6	.0	.0	.1	.2	.0	.0	.0	.2	.2	.2	.1	.1	.0	.2	.3	.4	.4	.1	.0
250. *	.7	.0	.1	.1	.4	.0	.0	.0	.2	.2	.2	.1	.1	.0	.2	.3	.4	.3	.1	.0
255. *	.7	.0	.1	.2	.5	.0	.0	.0	.2	.2	.2	.1	.1	.1	.2	.3	.4	.3	.0	.0
260. *	.6	.0	.2	.4	.7	.0	.0	.0	.2	.2	.1	.1	.1	.1	.1	.2	.3	.3	.0	.0
265. *	.7	.0	.4	.7	1.0	.0	.0	.0	.2	.2	.2	.1	.1	.0	.1	.2	.1	.2	.0	.0
270. *	.8	.0	.4	.9	1.3	.0	.0	.0	.2	.2	.1	.0	.0	.0	.1	.1	.0	.2	.1	.0
275. *	.8	.1	.8	1.1	1.4	.1	.0	.0	.2	.2	.1	.0	.0	.1	.1	.0	.0	.1	.1	.0
280. *	.8	.2	1.0	1.5	1.7	.3	.0	.0	.2	.1	.1	.0	.0	.2	.0	.0	.0	.1	.1	.0
285. *	.8	.4	1.2	1.6	1.7	.5	.0	.0	.1	.2	.1	.1	.2	.2	.0	.0	.0	.1	.1	.0
290. *	.9	.5	1.3	1.7	1.7	.5	.2	.0	.1	.2	.1	.2	.2	.2	.0	.0	.0	.1	.1	.0
295. *	.7	.7	1.4	1.7	1.5	.6	.3	.0	.2	.3	.1	.2	.1	.2	.0	.0	.0	.1	.1	.0
300. *	.7	.9	1.7	1.7	1.4	.7	.3	.1	.2	.3	.0	.2	.1	.1	.0	.0	.0	.1	.1	.0
305. *	.6	1.1	1.5	1.5	1.5	.7	.3	.1	.2	.3	.0	.2	.1	.1	.0	.0	.0	.1	.1	.0
310. *	.5	1.2	1.4	1.4	1.2	.6	.3	.2	.2	.3	.0	.1	.1	.1	.0	.0	.0	.1	.0	.0
315. *	.3	1.3	1.3	1.3	1.2	.5	.3	.1	.2	.3	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
320. *	.3	1.2	1.1	1.2	1.3	.5	.4	.1	.2	.2	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
325. *	.2	1.1	1.1	1.3	1.2	.6	.5	.1	.2	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
330. *	.0	1.1	1.0	1.2	1.2	.8	.5	.2	.1	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
335. *	.0	.9	1.0	1.2	1.3	.9	.3	.3	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
340. *	.0	.9	1.1	1.2	1.2	.7	.3	.3	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
345. *	.0	.8	1.1	1.2	1.0	.7	.4	.2	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
350. *	.0	.8	1.1	1.4	1.1	.7	.5	.2	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
355. *	.0	.9	1.1	1.4	1.2	.5	.5	.2	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
360. *	.0	.7	1.0	1.5	1.1	.6	.5	.3	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
MAX *	.9	1.5	1.7	1.7	1.7	.9	.5	.3	.6	.5	.4	.2	.2	.2	.2	.3	.5	.4	.2	.1
DEGR. *	290	85	300	290	280	335	0	0	175	155	170	60	60	60	115	245	165	220	145	115

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54
0. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2
5. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.2
10. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.2
15. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.2
20. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.2	.1
25. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.1
30. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.1
35. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.1
40. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.1
45. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.2	.2	.1
50. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.2	.2	.1
55. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.2	.2	.1
60. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.2	.2	.1
65. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.1
70. *	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.2	.2	.1

75.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.2	.1	.1
80.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.2	.1	.1
85.	.0	.0	.0	.0	.1	.0	.0	.0	.1	.1	.3	.1	.1	.1
90.	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	.0	.0	.1	.1
95.	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.1	.2
100.	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	.0	.1	.2	.2
105.	.0	.0	.0	.1	.1	.0	.2	.3	.1	.1	.1	.2	.3	.2
110.	.0	.0	.0	.1	.2	.2	.3	.3	.1	.1	.1	.3	.3	.3
115.	.0	.1	.1	.1	.1	.3	.3	.3	.1	.1	.1	.3	.3	.4
120.	.1	.1	.1	.1	.1	.3	.3	.3	.1	.1	.2	.3	.3	.5
125.	.1	.1	.1	.1	.1	.4	.3	.3	.1	.1	.2	.3	.4	.4
130.	.1	.1	.1	.1	.2	.4	.3	.2	.0	.1	.2	.3	.4	.4
135.	.1	.1	.1	.1	.4	.3	.3	.2	.0	.1	.1	.4	.3	.5
140.	.1	.0	.1	.1	.4	.3	.2	.2	.0	.1	.1	.3	.3	.4
145.	.1	.0	.0	.0	.5	.2	.2	.2	.0	.1	.1	.3	.4	.5
150.	.1	.0	.0	.0	.2	.3	.2	.2	.0	.1	.1	.3	.5	.5
155.	.1	.0	.0	.0	.3	.3	.2	.3	.3	.0	.1	.2	.3	.4
160.	.1	.0	.0	.0	.3	.2	.2	.3	.3	.0	.1	.2	.2	.4
165.	.1	.0	.0	.0	.2	.2	.2	.4	.2	.1	.0	.2	.2	.4
170.	.0	.0	.0	.0	.2	.2	.2	.4	.3	.1	.0	.2	.2	.3
175.	.0	.1	.0	.0	.2	.2	.2	.4	.3	.0	.1	.1	.2	.2
180.	.0	.1	.0	.0	.1	.2	.3	.5	.3	.1	.1	.0	.1	.2
185.	.1	.1	.0	.0	.1	.2	.3	.5	.3	.1	.0	.0	.0	.1
190.	.1	.1	.1	.0	.1	.2	.3	.5	.3	.2	.1	.0	.0	.1
195.	.1	.1	.1	.1	.1	.3	.3	.5	.3	.1	.1	.0	.1	.0
200.	.1	.1	.1	.1	.1	.3	.4	.5	.3	.1	.1	.0	.1	.1
205.	.1	.1	.1	.1	.3	.3	.4	.5	.3	.1	.1	.0	.1	.1

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54
210.	.1	.1	.1	.1	.3	.3	.4	.5	.3	.2	.1	.0	.1	.1
215.	.1	.1	.1	.1	.3	.3	.4	.5	.3	.2	.1	.0	.1	.1
220.	.1	.1	.1	.1	.3	.4	.4	.5	.3	.2	.1	.1	.1	.1
225.	.1	.0	.1	.1	.3	.4	.4	.4	.3	.2	.2	.1	.1	.2
230.	.0	.0	.1	.1	.3	.4	.4	.4	.3	.2	.2	.1	.1	.1
235.	.0	.0	.1	.1	.3	.4	.4	.4	.3	.2	.2	.1	.1	.1
240.	.0	.0	.1	.1	.3	.4	.4	.4	.3	.2	.2	.1	.1	.1
245.	.0	.0	.0	.1	.3	.3	.4	.3	.3	.2	.2	.1	.1	.1
250.	.0	.0	.0	.1	.3	.3	.4	.3	.3	.2	.2	.1	.1	.1
255.	.0	.0	.0	.0	.3	.3	.3	.1	.3	.2	.2	.1	.2	.1
260.	.0	.0	.0	.0	.1	.1	.1	.1	.2	.2	.3	.2	.2	.1
265.	.0	.0	.0	.0	.0	.0	.1	.0	.3	.3	.2	.2	.2	.2
270.	.0	.0	.0	.0	.0	.0	.1	.0	.3	.2	.2	.2	.1	.2
275.	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.1	.2	.1	.1
280.	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.2	.0	.1
285.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.0	.0
290.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.0	.0
295.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.0	.0
300.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0	.0
305.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0	.0
310.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0	.0
315.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0	.0
320.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.1	.1
325.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1
330.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1
335.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1
340.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2
345.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2
350.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2
355.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2
360.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2
MAX	.1	.1	.1	.1	.5	.4	.4	.5	.3	.3	.3	.4	.5	.5
DEGR.	120	115	115	100	145	125	200	180	155	265	45	135	150	120

THE HIGHEST CONCENTRATION IS 1.70 PPM AT 300 DEGREES FROM REC23.
THE 2ND HIGHEST CONCENTRATION IS 1.70 PPM AT 290 DEGREES FROM REC24.
THE 3RD HIGHEST CONCENTRATION IS 1.70 PPM AT 280 DEGREES FROM REC25.

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S4 US40 & FRANKLIN NB                   60.0321.0.0000.000540.30480000    1    1
1 SE MID                 1157.      534.        5.
2 SE 164                 1085.      679.        5.
1 SE 82                  1050.      751.        5.
1 SE COR                 1018.      818.        5.
1 ES 82                  1090.      823.        5.
1 ES 164                 1172.      828.        5.
1 ES MID                 1379.      839.        5.
1 EN MID                 1369.      941.        5.
1 EN 164                 1132.      929.        5.
1 EN 82                  1050.      925.        5.
1 NE COR                  956.      923.        5.
1 NE 82                   914.     1003.        5.
1 NE 164                  877.     1076.        5.
1 NE MID                  769.     1287.        5.
1 NW MID                  712.     1275.        5.
1 NW 164                  802.     1089.        5.
1 NW 82                   853.      999.        5.
1 NW COR                  892.      923.        5.
1 WN 82                   806.      915.        5.
1 WN 164                  724.      916.        5.
1 WN MID                  514.      983.        5.
1 WS MID                  564.      842.        5.
1 WS 164                  779.      808.        5.
1 WS 82                   862.      812.        5.
1 SW COR                  944.      817.        5.
1 SW 82                   974.      751.        5.
1 SW 164                 1019.      663.        5.
1 SW MID                 1093.      507.        5.
2 164SE                   836.     1157.        5.
2 82SE                    797.     1234.        5.
2 SE COR                  765.     1311.        5.
2 ES 82                   847.     1322.        5.
2 ES 164                  929.     1324.        5.
2 ES MID                 1166.     1330.        5.
2 EN MID                  954.     1404.        5.
2 EN 164                  855.     1402.        5.
2 EN 82                   762.     1399.        5.
2 NE COR                  686.     1399.        5.
2 NE 82                   613.     1470.        5.
2 NE 164                  548.     1539.        5.
2 NE MID                  427.     1648.        5.
2 NW MID                  373.     1622.        5.
2 NW 164                  503.     1503.        5.
2 NW 82                   563.     1446.        5.
2 NW COR                  597.     1406.        5.
2 WN 82                   539.     1402.        5.
2 WN 164                  453.     1392.        5.
2 WN MID                  289.     1394.        5.
2 WS MID                  310.     1301.        5.
2 WS 164                  507.     1308.        5.
2 WS 82                   587.     1312.        5.
2 SW COR                  691.     1314.        5.
2 SW 82                   732.     1233.        5.
2 SW 164                  769.     1158.        5.
S4 US40 & FRANK NB2035PM                 31  1   0
  1
FRANK     NB LTR    AG  1430.   -35.   972.   848.    315. 7.9  0. 44.   25.
  2
FRANK     NB LTR    AG   993.   806.  1096.   608.      0. 24.   2
       110        85         3  315   42.1 1389 1 3
  1
FRAED     NB LTR    AG   972.   848.   718.  1342.    200. 7.9  0. 32.   25.
  2
FRAED     NB LTR    AG   741.  1296.   815.  1154.      0. 12.   1
       110        64         3  200   42.1 1757 1 3
  1
FRANK     NB D      AG   718.  1342.   352.  1682.    350. 7.9  0. 32.   25.
  1
FRANK     SB LTR    AG   719.  1304.   933.   885.    210. 7.9  0. 44.   25.
  2
FRANK     SB LTR    AG   914.   923.   798.  1149.      0. 24.   2
       110        84         3  210   42.1 1267 1 3
  1
FRANK     SB D      AG   933.   885.  1400.   -39.    275. 7.9  0. 32.   25.
  1
US40      EB LTR    AG    41.  1280.   424.   948.   1430. 7.9  0. 56.   35.
  1
US40      EB LTR    AG   424.   948.   531.   888.   1430. 7.9  0. 56.   35.
  1
US40      EB LTR    AG   531.   888.   660.   848.   1430. 7.9  0. 56.   35.
  1
US40      EB LTR    AG   660.   848.   719.   841.   1430. 7.9  0. 56.   35.
  1
US40      EB LTR    AG   719.   841.   960.   842.   1430. 7.9  0. 56.   35.
  2
US40      EB LTR    AG   919.   842.   798.   841.      0. 36.   3
       110        50         6 1430   42.1 1550 1 3
  1
US40      EB D      AG   960.   842.  1972.   900.   1450. 7.9  0. 56.   35.
  1
US40      WB LTR    AG  1967.   941.  1453.   918.   2270. 7.9  0. 56.   35.
  1
US40      WB TR     AG  1453.   918.   942.   891.   2190. 7.9  0. 56.   35.
  2
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```
US40      WB TR     AG   982.   893.  1280.   909.      0. 36.   3
       110        32         3 2190   42.1 1751 1 3
  1
US40      WB L      AG  1441.   895.   953.   870.     80. 7.9  0. 32.   35.
  2
US40      WB L      AG   995.   872.  1367.   891.      0. 12.   1
       110        32         3   80   42.1  141 1 3
  1
US40      WB D      AG   942.   891.   763.   884.   2240. 7.9  0. 56.   35.
  1
US40      WB D      AG   763.   884.   652.   895.   2240. 7.9  0. 56.   35.
  1
US40      WB D      AG   652.   895.   543.   932.   2240. 7.9  0. 56.   35.
  1
US40      WB D      AG   543.   932.   424.  1006.   2240. 7.9  0. 56.   35.
  1
US40      WB D      AG   424.  1006.    48.  1341.   2240. 7.9  0. 56.   35.
  1
EDMO      EB LTR    AG    49.  1321.   703.  1345.    400. 7.9  0. 44.   25.
  2
EDMO      EB LTR    AG   653.  1343.   417.  1334.      0. 24.   2
       110        46         3  400   42.1 1266 1 3
  1
EDMO      EB D      AG   703.  1345.  1845.  1379.    166. 7.9  0. 44.   25.
  1
EDMO      WB LTR    AG  1815.  1406.   679.  1368.    445. 7.9  0. 44.   25.
  2
EDMO      WB LTR    AG   723.  1370.   984.  1378.      0. 24.   2
       110        46         3  445   42.1 1563 1 3
  1
EDMO      WB D      AG   679.  1368.    48.  1353.    270. 7.9  0. 44.   30.
1.0   04  1000   0Y  5  0 72
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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035PM
DATE: 09/10/2012 TIME: 11:21:44.00

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. FRANK NB LTR	*	1430.0	-35.0	972.0	848.0	*	995.	333.	AG	315.	7.9	.0	44.0		
2. FRANK NB LTR	*	993.0	806.0	1026.7	741.3	*	73.	153.	AG	175.	100.0	.0	24.0	.55	3.7
3. FRAED NB LTR	*	972.0	848.0	718.0	1342.0	*	555.	333.	AG	200.	7.9	.0	32.0		
4. FRAED NB LTR	*	741.0	1296.0	773.3	1233.9	*	70.	152.	AG	66.	100.0	.0	12.0	.29	3.6
5. FRANK NB D	*	718.0	1342.0	352.0	1682.0	*	500.	313.	AG	350.	7.9	.0	32.0		
6. FRANK SB LTR	*	719.0	1304.0	933.0	885.0	*	470.	153.	AG	210.	7.9	.0	44.0		
7. FRANK SB LTR	*	914.0	923.0	892.0	965.9	*	48.	333.	AG	172.	100.0	.0	24.0	.39	2.5
8. FRANK SB D	*	933.0	885.0	1400.0	-39.0	*	1035.	153.	AG	275.	7.9	.0	32.0		
9. US40 EB LTR	*	41.0	1280.0	424.0	948.0	*	507.	131.	AG	1430.	7.9	.0	56.0		
10. US40 EB LTR	*	424.0	948.0	531.0	888.0	*	123.	119.	AG	1430.	7.9	.0	56.0		
11. US40 EB LTR	*	531.0	888.0	660.0	848.0	*	135.	107.	AG	1430.	7.9	.0	56.0		
12. US40 EB LTR	*	660.0	848.0	719.0	841.0	*	59.	97.	AG	1430.	7.9	.0	56.0		
13. US40 EB LTR	*	719.0	841.0	960.0	842.0	*	241.	90.	AG	1430.	7.9	.0	56.0		
14. US40 EB LTR	*	919.0	842.0	788.9	840.9	*	130.	270.	AG	154.	100.0	.0	36.0	.59	6.6
15. US40 EB D	*	960.0	842.0	1972.0	900.0	*	1014.	87.	AG	1450.	7.9	.0	56.0		
16. US40 WB LTR	*	1967.0	941.0	1453.0	918.0	*	515.	267.	AG	2270.	7.9	.0	56.0		
17. US40 WB TR	*	1453.0	918.0	942.0	891.0	*	512.	267.	AG	2190.	7.9	.0	56.0		
18. US40 WB TR	*	982.0	893.0	1109.6	899.8	*	128.	87.	AG	99.	100.0	.0	36.0	.61	6.5
19. US40 WB L	*	1441.0	895.0	953.0	870.0	*	489.	267.	AG	80.	7.9	.0	32.0		
20. US40 WB L	*	995.0	872.0	1022.4	873.4	*	27.	87.	AG	33.	100.0	.0	12.0	.82	1.4
21. US40 WB D	*	942.0	891.0	763.0	884.0	*	179.	268.	AG	2240.	7.9	.0	56.0		
22. US40 WB D	*	763.0	884.0	652.0	895.0	*	112.	276.	AG	2240.	7.9	.0	56.0		
23. US40 WB D	*	652.0	895.0	543.0	932.0	*	115.	289.	AG	2240.	7.9	.0	56.0		
24. US40 WB D	*	543.0	932.0	424.0	1006.0	*	140.	302.	AG	2240.	7.9	.0	56.0		
25. US40 WB D	*	424.0	1006.0	48.0	1341.0	*	504.	312.	AG	2240.	7.9	.0	56.0		
26. EDMO EB LTR	*	49.0	1321.0	703.0	1345.0	*	654.	88.	AG	400.	7.9	.0	44.0		
27. EDMO EB LTR	*	653.0	1343.0	602.7	1341.1	*	50.	268.	AG	94.	100.0	.0	24.0	.28	2.6
28. EDMO EB D	*	703.0	1345.0	1845.0	1379.0	*	1143.	88.	AG	166.	7.9	.0	44.0		
29. EDMO WB LTR	*	1815.0	1406.0	679.0	1368.0	*	1137.	268.	AG	445.	7.9	.0	44.0		
30. EDMO WB LTR	*	723.0	1370.0	778.8	1371.7	*	56.	88.	AG	94.	100.0	.0	24.0	.25	2.8
31. EDMO WB D	*	679.0	1368.0	48.0	1353.0	*	631.	269.	AG	270.	7.9	.0	44.0		

JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035PM
DATE: 09/10/2012 TIME: 11:21:44.00

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. FRANK NB LTR	*	110	85	.3	315	1389	42.10	1	3
4. FRAED NB LTR	*	110	64	.3	200	1757	42.10	1	3
7. FRANK SB LTR	*	110	84	.3	210	1267	42.10	1	3
14. US40 EB LTR	*	110	50	.6	1430	1550	42.10	1	3
18. US40 WB TR	*	110	32	.3	2190	1751	42.10	1	3
20. US40 WB L	*	110	32	.3	80	141	42.10	1	3
27. EDMO EB LTR	*	110	46	.3	400	1266	42.10	1	3
30. EDMO WB LTR	*	110	46	.3	445	1563	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. 1 SE MID	*	1157.0	534.0	5.0	*
2. 2 SE 164	*	1085.0	679.0	5.0	*
3. 1 SE 82	*	1050.0	751.0	5.0	*
4. 1 SE COR	*	1018.0	818.0	5.0	*
5. 1 ES 82	*	1090.0	823.0	5.0	*
6. 1 ES 164	*	1172.0	828.0	5.0	*
7. 1 ES MID	*	1379.0	839.0	5.0	*
8. 1 EN MID	*	1369.0	941.0	5.0	*
9. 1 EN 164	*	1132.0	929.0	5.0	*
10. 1 EN 82	*	1050.0	925.0	5.0	*
11. 1 NE COR	*	956.0	923.0	5.0	*
12. 1 NE 82	*	914.0	1003.0	5.0	*
13. 1 NE 164	*	877.0	1076.0	5.0	*
14. 1 NE MID	*	769.0	1287.0	5.0	*
15. 1 NW MID	*	712.0	1275.0	5.0	*
16. 1 NW 164	*	802.0	1089.0	5.0	*
17. 1 NW 82	*	853.0	999.0	5.0	*
18. 1 NW COR	*	892.0	923.0	5.0	*
19. 1 WN 82	*	806.0	915.0	5.0	*
20. 1 WN 164	*	724.0	916.0	5.0	*
21. 1 WN MID	*	514.0	983.0	5.0	*

22.	1 WS MID	564.0	842.0	5.0	
23.	1 WS 164	779.0	808.0	5.0	
24.	1 WS 82	862.0	812.0	5.0	
25.	1 SW COR	944.0	817.0	5.0	
26.	1 SW 82	974.0	751.0	5.0	
27.	1 SW 164	1019.0	663.0	5.0	
28.	1 SW MID	1093.0	507.0	5.0	
29.	2 164SE	836.0	1157.0	5.0	
30.	2 82SE	797.0	1234.0	5.0	
31.	2 SE COR	765.0	1311.0	5.0	
32.	2 ES 82	847.0	1322.0	5.0	
33.	2 ES 164	929.0	1324.0	5.0	
34.	2 ES MID	1166.0	1330.0	5.0	
35.	2 EN MID	954.0	1404.0	5.0	
36.	2 EN 164	855.0	1402.0	5.0	
37.	2 EN 82	762.0	1399.0	5.0	

1

JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035PM
DATE: 09/10/2012 TIME: 11:21:44.00

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
38. 2 NE COR	686.0	1399.0	5.0
39. 2 NE 82	613.0	1470.0	5.0
40. 2 NE 164	548.0	1539.0	5.0
41. 2 NE MID	427.0	1648.0	5.0
42. 2 NW MID	373.0	1622.0	5.0
43. 2 NW 164	503.0	1503.0	5.0
44. 2 NW 82	563.0	1446.0	5.0
45. 2 NW COR	597.0	1406.0	5.0
46. 2 WN 82	539.0	1402.0	5.0
47. 2 WN 164	453.0	1392.0	5.0
48. 2 WN MID	289.0	1394.0	5.0
49. 2 WS MID	310.0	1301.0	5.0
50. 2 WS 164	507.0	1308.0	5.0
51. 2 WS 82	587.0	1312.0	5.0
52. 2 SW COR	691.0	1314.0	5.0
53. 2 SW 82	732.0	1233.0	5.0
54. 2 SW 164	769.0	1158.0	5.0

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.2	.2	.5	.8	.8	.7	.7	.0	.0	.0	.0	.0	.0	.2	.0	.1	.1	.5	.0	.0
5.	.2	.2	.5	.9	.8	.7	.7	.0	.0	.0	.0	.0	.0	.2	.0	.1	.1	.6	.0	.0
10.	.2	.2	.5	.9	.8	.7	.7	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.6	.0	.0
15.	.2	.2	.5	.9	.8	.7	.7	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.6	.0	.0
20.	.2	.3	.5	.8	.8	.7	.7	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.6	.0	.0
25.	.2	.3	.4	.8	.7	.7	.7	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.6	.0	.0
30.	.2	.3	.4	.8	.7	.7	.8	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.6	.0	.0
35.	.2	.2	.4	.8	.7	.7	.7	.1	.1	.1	.0	.0	.0	.1	.2	.1	.1	.6	.0	.0
40.	.2	.2	.4	.8	.7	.7	.7	.1	.1	.1	.0	.0	.0	.1	.2	.1	.1	.6	.1	.0
45.	.2	.2	.4	.8	.8	.8	.8	.1	.1	.1	.0	.0	.0	.1	.2	.1	.1	.6	.1	.0
50.	.2	.2	.4	1.0	.9	.8	.8	.1	.1	.1	.1	.0	.0	.1	.2	.1	.1	.6	.2	.0
55.	.2	.3	.4	1.0	.9	.8	.9	.1	.1	.1	.1	.0	.0	.1	.3	.1	.1	.6	.2	.0
60.	.2	.3	.5	.9	.8	.9	.9	.1	.1	.1	.1	.0	.0	.1	.3	.1	.1	.6	.2	.1
65.	.2	.3	.5	.9	1.0	1.0	.9	.2	.2	.2	.1	.0	.0	.1	.3	.1	.1	.7	.2	.1
70.	.0	.2	.4	1.0	1.0	1.0	.9	.3	.2	.2	.2	.0	.0	.1	.3	.1	.1	.7	.4	.3
75.	.0	.2	.4	1.0	.9	1.0	.9	.4	.4	.5	.3	.0	.0	.1	.3	.1	.1	.8	.4	.3
80.	.0	.2	.3	.9	.9	.9	.9	.7	.7	.7	.7	.0	.0	.1	.3	.1	.1	1.2	.7	.6
85.	.0	.0	.2	.9	.8	.8	.7	.9	.8	.8	.9	.2	.0	.0	.2	.1	.3	1.2	1.0	.9
90.	.0	.0	.1	.7	.7	.7	.6	.9	1.0	1.1	1.2	.3	.0	.0	.2	.1	.4	1.5	1.3	.9
95.	.0	.0	.0	.6	.5	.5	.4	1.1	1.1	1.2	1.3	.3	.2	.0	.2	.2	.5	1.4	1.4	1.3
100.	.0	.0	.0	.3	.3	.3	.3	1.1	1.1	1.2	1.3	.4	.3	.0	.2	.4	.5	1.4	1.3	1.2
105.	.0	.0	.0	.2	.2	.2	.2	1.1	1.2	1.4	1.2	.4	.3	.0	.2	.4	.6	1.4	1.1	1.1
110.	.0	.0	.0	.1	.1	.1	.1	1.1	1.1	1.3	1.2	.4	.3	.1	.2	.3	.7	1.2	1.2	1.2
115.	.0	.0	.0	.1	.1	.1	.1	1.0	1.0	1.2	1.1	.5	.3	.1	.4	.4	.7	1.2	1.1	1.4
120.	.0	.0	.0	.1	.1	.1	.1	1.0	.9	1.2	1.1	.5	.3	.2	.4	.4	.6	1.2	1.2	1.2
125.	.0	.0	.0	.1	.1	.1	.1	.9	.9	1.2	1.1	.5	.3	.2	.4	.4	.7	1.1	1.3	1.1
130.	.0	.0	.0	.0	.1	.1	.0	.9	.9	1.2	1.0	.5	.3	.2	.4	.3	.8	1.1	1.0	1.1
135.	.1	.0	.0	.0	.0	.0	.0	.8	.8	1.1	1.0	.4	.4	.2	.4	.3	.7	1.0	1.0	1.0
140.	.1	.1	.1	.0	.0	.0	.0	.8	.8	1.1	.9	.4	.4	.2	.2	.5	.6	1.2	1.0	1.0
145.	.1	.1	.1	.1	.0	.0	.0	.8	.8	1.1	1.0	.4	.2	.1	.2	.4	.8	1.1	1.0	.9
150.	.1	.1	.1	.2	.0	.0	.0	.7	.7	1.0	1.0	.4	.2	.2	.2	.5	.7	1.2	.9	.9
155.	.1	.1	.1	.2	.0	.0	.0	.7	.7	1.0	1.1	.6	.5	.2	.2	.4	.6	1.0	.9	.8
160.	.2	.2	.2	.4	.0	.0	.0	.7	.7	1.0	1.0	.6	.4	.2	.2	.3	.5	.9	.9	.7

165. *	.2	.2	.2	.4	.0	.0	.0	.7	.7	1.0	1.0	.6	.5	.4	.2	.3	.5	.8	.9	.7
170. *	.2	.2	.2	.5	.0	.0	.0	.8	.8	1.1	1.1	.5	.5	.4	.1	.3	.4	.9	1.0	.7
175. *	.2	.2	.2	.5	.0	.0	.0	.8	.8	1.1	1.0	.8	.6	.4	.0	.3	.4	.9	1.0	.8
180. *	.2	.2	.2	.6	.0	.0	.0	.8	.8	1.2	1.0	.7	.7	.3	.0	.3	.4	.9	1.0	.8
185. *	.2	.2	.2	.6	.0	.0	.0	.8	.7	1.1	1.0	.7	.7	.3	.0	.3	.4	.9	1.0	.8
190. *	.2	.2	.2	.6	.0	.0	.0	.7	.7	1.1	.8	.7	.6	.3	.0	.3	.4	.9	.8	.8
195. *	.2	.2	.2	.7	.0	.0	.0	.7	.7	1.1	1.0	.7	.5	.4	.0	.3	.4	.9	.8	.8
200. *	.2	.2	.2	.7	.0	.0	.0	.7	.8	1.1	.9	.7	.4	.4	.0	.1	.4	.9	.8	.7
205. *	.2	.2	.1	.5	.0	.0	.0	.7	.8	1.1	1.0	.7	.4	.3	.0	.1	.4	.9	.8	.7

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035PM

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR) *	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	.2	.1	.1	.5	.1	.0	.0	.8	1.0	1.2	.9	.7	.4	.3	.1	.1	.4	.9	.8	.7
215. *	.1	.1	.1	.5	.1	.0	.0	.8	1.0	1.1	1.1	.6	.3	.3	.1	.2	.4	1.0	.8	.7
220. *	.1	.1	.1	.5	.1	.0	.0	.8	1.1	1.2	1.1	.6	.2	.4	.1	.3	.3	1.0	.8	.8
225. *	.1	.1	.2	.5	.2	.1	.0	.9	1.2	1.1	1.2	.6	.2	.3	.1	.3	.3	1.0	1.0	.8
230. *	.1	.1	.2	.4	.3	.1	.1	.9	1.2	1.4	1.2	.6	.3	.3	.1	.1	.2	.9	.9	.8
235. *	.1	.1	.2	.5	.3	.2	.1	.9	1.2	1.4	1.1	.4	.3	.4	.2	.1	.3	1.0	.9	.9
240. *	.1	.1	.3	.5	.3	.2	.1	1.0	1.4	1.3	1.2	.3	.2	.4	.2	.2	.3	1.0	1.0	1.0
245. *	.1	.1	.3	.4	.3	.2	.1	1.0	1.4	1.3	1.2	.4	.2	.4	.2	.1	.3	.9	1.0	.9
250. *	.1	.1	.4	.5	.2	.3	.2	1.1	1.4	1.3	1.2	.3	.3	.4	.2	.1	.3	.8	.9	.9
255. *	.1	.1	.4	.5	.4	.3	.3	1.1	1.3	1.2	1.2	.3	.2	.4	.2	.2	.3	.9	.9	.8
260. *	.1	.1	.4	.7	.6	.5	.5	.9	1.2	1.1	1.0	.2	.3	.3	.2	.3	.2	.8	.8	.9
265. *	.1	.1	.5	.7	.7	.8	.6	1.0	1.0	1.2	1.0	.2	.3	.3	.1	.2	.2	.7	.9	1.0
270. *	.1	.1	.5	.8	.8	.9	.7	.7	.7	.9	.9	.2	.3	.3	.1	.2	.3	.6	.8	1.0
275. *	.1	.1	.6	1.0	.9	.9	.9	.5	.6	.5	.8	.3	.3	.4	.2	.2	.3	.6	.7	1.1
280. *	.2	.1	.8	1.2	1.0	1.1	.9	.4	.6	.5	.6	.3	.2	.3	.1	.2	.2	.6	.7	.9
285. *	.2	.2	1.0	1.3	1.1	1.0	.9	.2	.3	.5	.7	.2	.2	.3	.1	.1	.2	.3	.6	.7
290. *	.2	.3	1.2	1.1	1.2	1.1	.9	.2	.2	.3	.7	.3	.3	.3	.1	.1	.1	.3	.6	.6
295. *	.2	.6	1.2	1.1	1.1	1.0	.9	.1	.1	.2	.6	.3	.2	.3	.1	.0	.1	.1	.3	.5
300. *	.2	.7	1.1	1.1	.9	.9	.9	.1	.1	.1	.4	.2	.2	.3	.2	.0	.0	.1	.1	.5
305. *	.2	.7	.9	1.0	.9	.9	.9	.1	.1	.1	.4	.2	.2	.2	.2	.0	.0	.0	.1	.2
310. *	.2	.6	.9	1.1	.9	.8	.8	.1	.1	.1	.4	.2	.2	.2	.2	.0	.0	.0	.0	.2
315. *	.4	.6	.9	1.0	.8	.8	.7	.1	.1	.1	.3	.2	.2	.2	.2	.0	.0	.0	.0	.1
320. *	.3	.7	.8	.8	.8	.8	.7	.1	.1	.1	.3	.2	.1	.1	.2	.0	.0	.0	.0	.1
325. *	.2	.6	.7	.9	.8	.8	.7	.0	.0	.0	.2	.1	.1	.1	.2	.0	.1	.1	.0	.1
330. *	.2	.5	.7	.8	.9	.7	.7	.0	.0	.0	.1	.1	.1	.2	.2	.1	.1	.2	.0	.1
335. *	.3	.4	.7	.7	.9	.7	.7	.0	.0	.0	.1	.1	.1	.2	.1	.1	.1	.2	.0	.0
340. *	.3	.4	.6	.7	.9	.7	.7	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.3	.0	.0
345. *	.3	.4	.5	.8	.9	.7	.7	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.3	.0	.0
350. *	.3	.3	.5	.8	.8	.7	.7	.0	.0	.0	.0	.0	.0	.2	.0	.1	.1	.4	.0	.0
355. *	.2	.3	.5	.8	.8	.7	.7	.0	.0	.0	.0	.0	.0	.2	.0	.1	.1	.5	.0	.0
360. *	.2	.2	.5	.8	.8	.7	.7	.0	.0	.0	.0	.0	.0	.2	.0	.1	.1	.5	.0	.0
MAX *	.4	.7	1.2	1.3	1.2	1.1	.9	1.1	1.4	1.4	1.3	.8	.7	.4	.4	.5	.8	1.5	1.4	1.4
DEGR. *	315	300	290	285	290	280	55	95	240	105	95	175	180	165	115	140	130	90	95	115

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR) *	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0. *	.0	.6	.7	1.1	.9	.6	.6	.4	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
5. *	.0	.7	.8	1.2	.7	.7	.6	.4	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
10. *	.0	.6	.8	1.1	.8	.8	.6	.4	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
15. *	.0	.6	.8	1.1	.9	.9	.5	.4	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
20. *	.0	.6	.8	1.1	.9	.9	.5	.4	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
25. *	.0	.6	.9	1.1	1.0	.9	.4	.4	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
30. *	.0	.6	.9	1.2	.9	1.0	.4	.4	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
35. *	.0	.6	1.0	1.2	.9	1.0	.4	.4	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
40. *	.0	.7	1.1	1.1	1.0	1.0	.4	.4	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
45. *	.0	.7	1.1	1.2	1.1	.9	.4	.4	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
50. *	.0	.6	1.2	1.3	1.1	.9	.4	.4	.0	.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0
55. *	.0	.7	1.2	1.4	1.2	.9	.5	.4	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
60. *	.0	.8	1.1	1.4	1.3	.9	.5	.4	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
65. *	.0	.8	1.3	1.4	1.4	1.0	.5	.3	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
70. *	.1	1.1	1.2	1.3	1.3	.9	.4	.2	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
75. *	.1	1.1	1.4	1.3	1.3	.9	.4	.2	.0	.0	.2	.2	.2	.2	.1	.1	.1	.0	.0	.0
80. *	.1	1.1	1.3	1.2	1.2	.9	.4	.2	.0	.0	.1	.2	.2	.2	.1	.1	.1	.1	.0	.0
85. *	.2	1.0	1.0	1.1	1.2	.7	.2	.2	.0	.0	.1	.2	.2	.2	.1	.1	.1	.1	.0	.0
90. *	.3	1.0	.9	.8	1.1	.6	.2	.2	.0	.0	.0	.1	.1	.0	.2	.1	.1	.2	.0	.0
95. *	.5	1.0	.6	.6	.9	.4	.2	.2	.0	.0	.0	.0	.0	.0	.2	.2	.2	.3	.0	.0
100. *	.6	.8	.4	.3	.8	.4	.2	.2	.1	.0	.0	.0	.0	.0	.2	.2	.2	.3	.1	.0
105. *	.7	.4	.2	.3	.6	.4	.2	.2	.3	.1	.0	.0	.0	.0	.2	.2	.2	.3	.1	.0
110. *	.9	.2	.1	.2	.5	.3	.2	.2	.3	.2	.0	.1	.1	.0	.2	.2	.2	.3	.1	.0
115. *	.7	.1	.0	.2	.6	.3	.2	.2	.2	.2	.0	.1	.1	.1	.2	.2	.2	.2	.1	.0
120. *	1.0	.1	.0	.1	.5	.3	.2	.2	.2	.2	.2	.2	.2	.1	.2	.2	.1	.2	.1	.0

125. *	.9	.0	.0	.0	.5	.2	.2	.2	.2	.2	.2	.2	.2	.1	.2	.1	.1	.4	.0	.0
130. *	.8	.0	.0	.0	.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	.3	.2	.4	.4	.2	.0
135. *	.9	.0	.0	.0	.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.3	.4	.4	.2	.2
140. *	.8	.0	.0	.0	.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	.3	.3	.3	.4	.2	.1
145. *	.9	.0	.0	.0	.3	.2	.2	.2	.2	.2	.1	.2	.2	.1	.3	.3	.3	.3	.1	.1
150. *	.9	.0	.0	.0	.3	.2	.2	.1	.3	.2	.1	.2	.2	.2	.3	.2	.3	.2	.1	.1
155. *	.9	.0	.0	.0	.3	.1	.1	.1	.3	.2	.1	.1	.2	.2	.3	.2	.4	.2	.1	.1
160. *	.9	.0	.0	.0	.1	.1	.1	.0	.3	.2	.2	.1	.2	.2	.2	.2	.3	.2	.1	.1
165. *	.8	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	.1	.1	.2	.2	.2	.3	.2	.1	.1
170. *	.8	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.0	.1	.2	.2	.1	.3	.2	.1	.1
175. *	.8	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.1	.1	.2	.2	.1	.3	.3	.1	.1
180. *	.8	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.1	.0	.2	.1	.1	.3	.3	.1	.1
185. *	.7	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2	.1	.1	.2	.1	.1	.3	.3	.1	.1
190. *	.7	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2	.0	.1	.1	.1	.1	.3	.3	.1	.1
195. *	.7	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2	.0	.1	.1	.1	.1	.3	.2	.1	.2
200. *	.7	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.0	.0	.1	.1	.1	.3	.2	.1	.2
205. *	.8	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.0	.0	.1	.1	.1	.3	.3	.2	.2

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210. *	.8	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.0	.0	.0	.1	.1	.3	.3	.2	.2
215. *	.8	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.1	.1	.3	.4	.2	.3
220. *	.8	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.1	.1	.3	.5	.3	.3
225. *	.7	.0	.0	.0	.1	.0	.0	.0	.2	.2	.1	.0	.0	.0	.1	.1	.4	.5	.3	.2
230. *	.7	.0	.0	.0	.1	.0	.0	.0	.2	.2	.2	.0	.0	.0	.1	.1	.4	.6	.3	.2
235. *	.7	.0	.0	.0	.1	.0	.0	.0	.2	.2	.2	.0	.0	.0	.1	.2	.4	.6	.2	.2
240. *	.8	.0	.0	.1	.1	.0	.0	.0	.2	.2	.2	.1	.0	.0	.1	.3	.4	.6	.2	.2
245. *	.8	.0	.0	.1	.1	.0	.0	.0	.2	.2	.2	.1	.1	.0	.3	.3	.4	.5	.2	.2
250. *	.8	.0	.0	.1	.2	.0	.0	.0	.2	.3	.2	.1	.1	.0	.3	.3	.4	.4	.2	.1
255. *	.8	.0	.0	.1	.3	.0	.0	.0	.3	.3	.1	.1	.1	.0	.3	.3	.3	.4	.2	.1
260. *	.8	.0	.1	.2	.4	.0	.0	.0	.3	.3	.1	.1	.1	.0	.2	.3	.4	.4	.1	.1
265. *	1.0	.0	.2	.3	.6	.0	.0	.0	.3	.3	.2	.1	.1	.0	.1	.2	.2	.3	.1	.1
270. *	.9	.0	.3	.5	.8	.0	.0	.0	.3	.3	.2	.2	.0	.1	.1	.1	.0	.2	.1	.1
275. *	1.0	.0	.4	.8	1.0	.0	.0	.0	.2	.3	.1	.1	.0	.2	.1	.1	.0	.1	.1	.1
280. *	1.0	.1	.5	1.0	1.2	.1	.0	.0	.2	.3	.1	.0	.2	.2	.1	.0	.1	.1	.1	.1
285. *	1.1	.2	.7	1.2	1.4	.3	.0	.0	.2	.2	.1	.2	.2	.2	.0	.0	.1	.1	.1	.1
290. *	1.0	.3	.9	1.5	1.5	.5	.0	.0	.2	.2	.1	.2	.2	.2	.0	.0	.1	.1	.1	.1
295. *	1.1	.5	1.0	1.5	1.4	.6	.0	.0	.2	.2	.2	.3	.2	.2	.0	.0	.0	.1	.1	.1
300. *	1.0	.6	1.1	1.6	1.4	.6	.2	.0	.2	.2	.1	.3	.2	.2	.0	.0	.0	.1	.1	.1
305. *	.8	.9	1.1	1.4	1.3	.7	.4	.0	.2	.2	.1	.2	.2	.1	.0	.0	.0	.1	.1	.1
310. *	.7	.9	.9	1.3	1.1	.7	.4	.0	.2	.2	.2	.2	.1	.1	.0	.0	.0	.1	.1	.1
315. *	.6	.9	.9	1.3	1.0	.6	.3	.0	.1	.2	.2	.1	.1	.1	.0	.0	.0	.1	.1	.0
320. *	.3	.9	.8	1.3	.9	.5	.3	.2	.1	.2	.3	.1	.1	.1	.0	.0	.0	.1	.1	.0
325. *	.2	.9	.6	1.2	.9	.5	.3	.2	.1	.2	.3	.1	.1	.1	.0	.0	.0	.1	.0	.0
330. *	.2	1.1	.6	1.1	.9	.5	.4	.1	.1	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
335. *	.1	.8	.6	1.0	.9	.4	.4	.2	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
340. *	.1	.7	.6	1.0	.9	.5	.6	.2	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
345. *	.1	.8	.6	1.0	1.0	.5	.5	.3	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
350. *	.1	.7	.7	1.0	.9	.5	.6	.4	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
355. *	.1	.6	.7	1.1	.9	.5	.6	.4	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
360. *	.0	.6	.7	1.1	.9	.6	.6	.4	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
MAX *	1.1	1.1	1.4	1.6	1.5	1.0	.6	.4	.5	.4	.4	.3	.2	.2	.3	.3	.4	.6	.3	.3
DEGR. *	285	70	75	300	290	30	0	0	170	170	175	295	50	55	130	135	130	230	220	215

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JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54
0. *	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.1	.3	.1	.1
5. *	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.1	.3	.2	.1
10. *	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.1	.3	.2	.1
15. *	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.2	.3	.2	.1
20. *	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.2	.3	.2	.1
25. *	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.2	.3	.2	.1
30. *	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.2	.2	.2	.1
35. *	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.2	.2	.2	.1
40. *	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.3	.2	.2	.1
45. *	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.3	.2	.2	.1
50. *	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.3	.2	.2	.1
55. *	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.3	.2	.2	.1
60. *	.0	.1	.1	.1	.1	.0	.0	.0	.2	.1	.3	.2	.2	.1
65. *	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.4	.2	.2	.1
70. *	.0	.1	.1	.1	.1	.0	.0	.0	.1	.2	.3	.2	.2	.1

75.	*	.0	.1	.1	.1	.1	.0	.0	.0	.1	.3	.3	.2	.2	.1
80.	*	.0	.1	.1	.1	.1	.0	.0	.0	.1	.2	.3	.2	.2	.1
85.	*	.0	.1	.1	.1	.2	.1	.0	.0	.1	.2	.3	.1	.2	.1
90.	*	.0	.1	.1	.1	.2	.1	.1	.0	.1	.1	.1	.1	.2	.1
95.	*	.0	.1	.1	.2	.2	.1	.1	.1	.1	.0	.0	.0	.1	.1
100.	*	.0	.1	.1	.2	.2	.1	.1	.2	.0	.0	.0	.0	.1	.2
105.	*	.0	.1	.1	.2	.2	.2	.2	.2	.0	.0	.0	.0	.2	.4
110.	*	.0	.1	.1	.2	.2	.1	.2	.2	.0	.0	.0	.1	.4	.3
115.	*	.0	.1	.1	.1	.2	.3	.2	.2	.1	.2	.2	.2	.3	.3
120.	*	.0	.1	.1	.1	.0	.4	.3	.2	.0	.2	.2	.3	.3	.3
125.	*	.0	.1	.1	.2	.2	.4	.3	.2	.0	.1	.2	.4	.3	.3
130.	*	.1	.1	.2	.2	.3	.4	.3	.2	.0	.1	.1	.4	.3	.3
135.	*	.1	.1	.1	.1	.4	.4	.2	.2	.0	.0	.1	.4	.3	.3
140.	*	.1	.0	.0	.0	.4	.2	.2	.2	.0	.0	.0	.3	.3	.3
145.	*	.1	.0	.0	.1	.3	.2	.2	.2	.1	.0	.0	.2	.2	.3
150.	*	.1	.0	.0	.1	.3	.2	.2	.2	.2	.0	.0	.1	.2	.3
155.	*	.1	.0	.0	.0	.3	.2	.2	.3	.2	.0	.0	.2	.2	.3
160.	*	.1	.0	.0	.0	.3	.2	.2	.3	.3	.0	.0	.1	.2	.4
165.	*	.1	.0	.0	.0	.3	.2	.2	.4	.3	.0	.0	.1	.2	.3
170.	*	.1	.0	.0	.0	.3	.2	.2	.4	.3	.0	.0	.0	.1	.3
175.	*	.1	.1	.0	.0	.3	.2	.3	.5	.3	.1	.0	.0	.1	.2
180.	*	.1	.1	.0	.0	.3	.2	.2	.5	.3	.1	.0	.0	.1	.3
185.	*	.2	.1	.0	.0	.2	.2	.3	.5	.3	.1	.0	.0	.1	.2
190.	*	.2	.2	.1	.0	.2	.2	.3	.5	.3	.1	.1	.0	.1	.1
195.	*	.2	.2	.1	.0	.2	.3	.4	.5	.3	.2	.1	.0	.1	.1
200.	*	.2	.2	.1	.1	.2	.3	.4	.5	.3	.2	.1	.0	.1	.1
205.	*	.2	.2	.2	.1	.3	.3	.4	.5	.3	.2	.1	.1	.1	.2

1

JOB: S4 US40 & FRANKLIN NB RUN: S4 US40 & FRANK NB2035PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54
210.	*	.2	.1	.2	.1	.3	.4	.4	.5	.3	.2	.1	.1	.1	.1
215.	*	.2	.1	.2	.2	.4	.4	.4	.5	.3	.2	.2	.1	.1	.1
220.	*	.2	.1	.2	.2	.4	.4	.4	.5	.3	.2	.2	.0	.1	.1
225.	*	.2	.1	.2	.2	.4	.4	.4	.5	.3	.2	.2	.1	.1	.2
230.	*	.1	.0	.1	.2	.4	.4	.4	.5	.3	.2	.2	.1	.1	.1
235.	*	.1	.0	.1	.2	.4	.4	.4	.5	.3	.2	.2	.2	.1	.1
240.	*	.1	.0	.1	.1	.4	.4	.4	.4	.3	.2	.2	.2	.2	.1
245.	*	.1	.0	.1	.1	.3	.4	.4	.3	.3	.2	.2	.2	.2	.2
250.	*	.1	.0	.1	.1	.3	.3	.3	.2	.3	.2	.2	.2	.2	.2
255.	*	.1	.0	.0	.1	.3	.3	.3	.2	.3	.2	.2	.2	.2	.2
260.	*	.1	.0	.0	.0	.3	.3	.3	.2	.3	.3	.3	.2	.2	.2
265.	*	.1	.0	.0	.0	.1	.2	.2	.1	.4	.2	.2	.2	.2	.2
270.	*	.1	.0	.0	.0	.0	.0	.1	.0	.3	.2	.2	.3	.1	.2
275.	*	.1	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1
280.	*	.1	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.3	.1	.1
285.	*	.1	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.3	.0	.1
290.	*	.1	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.3	.0	.0
295.	*	.1	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.3	.0	.0
300.	*	.1	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.3	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.3	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.0	.0
315.	*	.0	.0	.1	.1	.1	.0	.0	.0	.1	.1	.2	.3	.0	.0
320.	*	.0	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.3	.0	.0
325.	*	.0	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.2	.0	.0
330.	*	.0	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.2	.0	.1
335.	*	.0	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.2	.0	.1
340.	*	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.1	.2	.1	.1
345.	*	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.1	.2	.1	.1
350.	*	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.1	.2	.1	.1
355.	*	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.1	.2	.1	.2
360.	*	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.1	.3	.1	.1
MAX	*	.2	.2	.2	.2	.4	.4	.4	.5	.4	.3	.4	.4	.4	.4
DEGR.	*	185	190	130	95	135	120	195	175	265	75	65	125	110	105

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 300 DEGREES FROM REC24.
THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 90 DEGREES FROM REC18.
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 290 DEGREES FROM REC25.

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Site 5-6 MLK & Mulberry/Balt BD 2021 AM 60.0321.0.0000.000490.30480000    1    1
S6 R1 SE MID              2067.      801.        5.
S6 R2 SE COR RED          2092.      968.        5.
S6 R3 82 SE               2112.     1043.        5.
S6 R4 SE COR              2139.     1143.        5.
S6 R5 82 ES               2237.     1146.        5.
S6 R6 164 ES              2320.     1149.        5.
S6 R7 MID ES              2537.     1157.        5.
S6 R8 MID EN              2537.     1229.        5.
S6 R9 164 EN              2326.     1213.        5.
S6 R10 82 EN              2236.     1208.        5.
S6 R11 NE COR             2145.     1207.        5.
S6 R12 82 NE              2164.     1292.        5.
S6 R13 164 NE             2179.     1375.        5.
S6 R14 SE COR FAY         2210.     1529.        5.
S6 R15 NE COR FAY         2220.     1608.        5.
S6 R16 NW COR FAY         2073.     1601.        5.
S6 R17 164 NW             2054.     1380.        5.
S6 R18 82 NW              2037.     1298.        5.
S6 R19 NW COR             2002.     1197.        5.
S6 R20 82 WN              1909.     1187.        5.
S6 R21 164 WN             1828.     1179.        5.
S6 R22 MID WN             1592.     1167.        5.
S6 R23 MID WS             1585.     1108.        5.
S6 R24 164 WS             1789.     1120.        5.
S6 R25 82 WS              1873.     1126.        5.
S6 R26 SW COR             1972.     1122.        5.
S6 R27 82 SW              1958.     1026.        5.
S6 R28 164 SW             1939.      947.        5.
S6 R29 MID SW             1911.      798.        5.
S5 R1 SE COR SARAT        2183.     2444.        5.
S5 R2 164 SE              2159.     2584.        5.
S5 R3 82 SE               2153.     2664.        5.
S5 R4 SE COR              2154.     2762.        5.
S5 R5 82 ES               2245.     2772.        5.
S5 R5 164 ES              2328.     2775.        5.
S5 R6 MID ES              2556.     2786.        5.
S5 R7 NE COR FRAN         2174.     3214.        5.
S5 R8 NW COR FRAN         1959.     3226.        5.
S5 R8 NE COR MUL          2152.     2825.        5.
S5 R8 NW COR MUL          2002.     2830.        5.
S5 R9  MID WS             1592.     2741.        5.
S5 R10 164 WS             1837.     2752.        5.
S5 R11 82 WS              1909.     2754.        5.
S5 R12 SW COR             2011.     2750.        5.
S5 R13 82 SW              2025.     2662.        5.
S5 R14 164 SW             2032.     2580.        5.
S5 R15 SW COR SARAT       2038.     2437.        5.
S5 R16 NE COR SARAT       2177.     2531.        5.
S5 R17 NW COR SARAT       2026.     2518.        5.
Site 5-6 BD 2021  AM                     92  1   0
  1
NB        MLK AP    AG  2135.   161.  2042.   443.   2640. 8.1  0. 56.   35.
  1
NB        MLK AP    AG  2042.   443.  2012.   664.   2640. 8.1  0. 56.   35.
  1
NB        MLK AP    AG  2012.   664.  2028.   856.   2640. 8.1  0. 56.   35.
  1
NB        MLK TR    AG  2028.   856.  2109.  1174.   2490. 8.1  0. 68.   35.
  2
NB        MLK TRQ   AG  2095.  1119.  2046.   925.      0. 48.   4
       150        72       3.0 2490   43.6 1570 1 3
  1
NB        MLK L     AG  2028.   856.  2017.   903.    150. 8.1  0. 32.   35.
  1
NB        MLK L     AG  2017.   903.  2089.  1173.    150. 8.1  0. 32.   35.
  2
NB        MLK LQ    AG  2074.  1117.  2025.   932.      0. 12.   1
       150        56       3.0  150   43.6   80 1 3
  1
NB        MLK D FAY AG  2109.  1174.  2145.  1344.   2145. 8.1  0. 56.   35.
  1
NB        MLK LTA FAAG  2145.  1344.  2173.  1566.   2145. 8.1  0. 68.   35.
  2
NB        MLK LTQ FAAG  2165.  1509.  2150.  1384.      0. 48.   4
       150        41       3.0 2145   43.6 1253 1 3
  1
NB        MLK D FAY AG  2173.  1566.  2188.  1656.   2295. 8.1  0. 56.   35.
  1
NB        MLK A SAR AG  2188.  1656.  2193.  1941.   2065. 8.1  0. 56.   35.
  1
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NB        MLK A SAR AG  2193.  1941.  2157.  2311.   2065. 8.1  0. 56.   35.
  1
NB        MLK TR SARAG  2157.  2311.  2139.  2484.   2035. 8.1  0. 56.   35.
  2
NB        MLK TRQ SAAG  2146.  2425.  2156.  2329.      0. 36.   3
       150        71       3.0 2035   43.6 1800 1 3
  1
NB        MLK L SAR AG  2157.  2311.  2131.  2365.     30. 8.1  0. 32.   35.
  1
NB        MLK L SAR AG  2131.  2365.  2119.  2484.     30. 8.1  0. 32.   35.
  2
NB        MLK LQ SARAG  2125.  2427.  2130.  2380.      0. 12.   1
       150        63       3.0   30   43.6   93 1 3
  1
NB        MLK A MUL AG  2139.  2484.  2117.  2791.   1875. 8.1  0. 56.   35.
  2
NB        MLK TRQ MUAG  2120.  2746.  2132.  2589.      0. 36.   3
       150        90       3.0 1875   43.6 1800 1 3
  1
NB        MLK A FRA AG  2117.  2791.  2116.  2956.   2285. 8.1  0. 56.   35.
  1
NB        MLK T A FRAG  2116.  2956.  2131.  3176.   2130. 8.1  0. 56.   35.
  2
NB        MLK TQ FRAAG  2128.  3130.  2123.  3053.      0. 36.   3
       150        47       3.0 2130   43.6 1800 1 3
  1
NB        MLK L A FRAG  2116.  2956.  2096.  3008.    155. 8.1  0. 32.   35.
  1
NB        MLK L QFRAAG  2096.  3008.  2105.  3170.    155. 8.1  0. 32.   35.
  2
NB        MLK LQ FRAAG  2103.  3132.  2097.  3039.      0. 12.   1
       150       129       3.0  155   43.6 1486 1 3
  1
NB        MLK D FRA AG  2131.  3176.  2153.  3319.   2135. 8.1  0. 56.   35.
  1
NB        MLK D FRA AG  2153.  3319.  2184.  3423.   2135. 8.1  0. 56.   35.
  1
NB        MLK D FRA AG  2184.  3423.  2254.  3560.   2135. 8.1  0. 56.   35.
  1
NB        MLK D FRA AG  2254.  3560.  2396.  3748.   2135. 8.1  0. 56.   35.
  1
SB        MLKTRAFRA AG  2341.  3759.  2244.  3658.   2840. 8.1  0. 56.   35.
  1
SB        MLKTAFRA  AG  2244.  3658.  2132.  3493.   2540. 8.1  0. 56.   35.
  1
SB        MLKTAFRA  AG  2132.  3493.  2064.  3332.   2540. 8.1  0. 56.   35.
  1
SB        MLKTAFRA  AG  2064.  3332.  2024.  3162.   2540. 8.1  0. 56.   35.
  2
SB        MLKTQFRA  AG  2034.  3206.  2056.  3297.      0. 36.   3
       150        68       3.0 2540   43.6 1700 1 3
  1
SB        MLKRFRA   AG  2244.  3658.  2135.  3562.    300. 8.1  0. 44.   35.
  1
SB        MLKRAFRA  AG  2135.  3562.  2040.  3397.    300. 8.1  0. 44.   35.
  1
SB        MLKRAFRA  AG  2040.  3397.  1976.  3186.    300. 8.1  0. 44.   35.
  2
SB        MLKRQFRA  AG  1985.  3217.  2013.  3310.      0. 24.   2
       150        68       3.0  300   43.6 1148 1 3
  1
SB        MLKDFRA   AG  2024.  3162.  2029.  3027.   2725. 8.1  0. 56.   35.
  1
SB        MLKTRMUL  AG  2029.  3027.  2042.  2797.   2655. 8.1  0. 56.   35.
  2
SB        MLKTRMUL  AG  2040.  2832.  2034.  2933.      0. 36.   3
       150        79       3.0 2655   43.6 1600 1 3
  1
SB        MLKLMUL   AG  2029.  3027.  2054.  2949.     70. 8.1  0. 32.   35.
  1
SB        MLKLMUL   AG  2054.  2949.  2064.  2802.     70. 8.1  0. 32.   35.
  2
SB        MLK LQ MULAG  2061.  2844.  2055.  2939.      0. 12.   1
       150        80       3.0   70   43.6  114 1 3
  1
SB        MLKASAR   AG  2042.  2797.  2055.  2668.   2795. 8.1  0. 56.   35.
  1
SB        MLKTRSAR  AG  2055.  2668.  2072.  2477.   2570. 8.1  0. 56.   35.
  2
SB        MLKTRSA   AG  2067.  2534.  2057.  2649.      0. 36.   3
       150        54       3.0 2570   43.6 1515 1 3
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  1
SB        MLKLASAR  AG  2055.  2668.  2080.  2629.    225. 8.1  0. 32.   35.
  1
SB        MLK LA SARAG  2080.  2629.  2095.  2483.    225. 8.1  0. 32.   35.
  2
SB        MLKLQSA   AG  2090.  2532.  2081.  2619.      0. 12.   1
       150        42       3.0  225   43.6   87 1 3
  1
SB        MLK A FAY AG  2072.  2477.  2125.  1886.   2555. 8.1  0. 56.   35.
  1
SB        MLKAFAY   AG  2125.  1886.  2117.  1558.   2555. 8.1  0. 56.   35.
  2
SB        MLKFAY    AG  2118.  1601.  2121.  1732.      0. 36.   3
       150        41       3.0 2555   43.6 1416 1 3
  1
SB        MLKABAL   AG  2117.  1558.  2089.  1397.   2700. 8.1  0. 56.   35.
  1
SB        MLKTRBAL  AG  2089.  1397.  2030.  1159.   2525. 8.1  0. 56.   35.
  2
SB        MLKTRQBA  AG  2045.  1220.  2071.  1325.      0. 36.   3
       150        61       3.0 2525   43.6 1625 1 3
  1
SB        MLKLBAL   AG  2089.  1397.  2096.  1330.    175. 8.1  0. 32.   35.
  1
SB        MLKLBAL   AG  2096.  1330.  2052.  1157.    175. 8.1  0. 32.   35.
  2
SB        MLKLBAL   AG  2068.  1221.  2094.  1321.      0. 12.   1
       150        41       3.0  175   43.6   75 1 3
  1
SB        MLK D BAL AG  2030.  1159.  1956.   881.   2495. 8.1  0. 56.   35.
  1
SB        MLK D BAL AG  1956.   881.  1942.   661.   2495. 8.1  0. 56.   35.
  1
SB        MLK D BAL AG  1942.   661.  1970.   406.   2495. 8.1  0. 56.   35.
  1
SB        MLK D BAL AG  1970.   406.  2079.   127.   2495. 8.1  0. 56.   35.
  1
EB        BALT      AG  1066.  1093.  2024.  1153.    245. 8.1  0. 44.   30.
  2
EB        BALT      AG  1968.  1149.  1831.  1141.      0. 24.   2
       150       105       3.0  245   43.6 1398 1 3
  1
EB        BALT D    AG  2030.  1159.  3081.  1213.    730. 8.1  0. 44.   30.
  1
WB        BALT      AG  2000.  1170.  1055.  1113.    215. 8.1  0. 32.   30.
  1
WB        FAY       AG  2969.  1609.  2152.  1562.    540. 8.1  0. 68.   30.
  2
WB        FAY       AG  2225.  1566.  2468.  1580.      0. 48.   4
       150       109       3.0  540   43.6 1270 1 3
  1
WB        FAY       AG  2152.  1562.  1122.  1513.    260. 8.1  0. 68.   30.
  1
EB        SAR       AG  1281.  2430.  2095.  2471.    185. 8.1  0. 32.   30.
  2
EB        SAR       AG  2022.  2467.  1857.  2459.      0. 12.   1
       150       110       3.0  185   43.6 1407 1 3
  1
EB        SAR D     AG  2095.  2471.  3028.  2519.    565. 8.1  0. 44.   30.
  1
WB        SAR       AG  3038.  2535.  2143.  2498.    100. 8.1  0. 44.   30.
  2
WB        SAR       AG  2183.  2500.  2479.  2512.      0. 24.   2
       150       110       3.0  100   43.6 1148 1 3
  1
WB        SAR D     AG  2143.  2498.  1273.  2442.    140. 8.1  0. 32.   30.
  1
EB        MUL       AG  1074.  2750.  1751.  2780.   2370. 8.1  0. 44.   30.
  1
EB        MUL       AG  1751.  2780.  2089.  2793.   2370. 8.1  0. 68.   30.
  2
EB        MUL       AG  1989.  2789.  1849.  2784.      0. 48.   4
       150        71       3.0 2370   43.6 1365 1 3
  1
EB        MUL       AG  2089.  2793.  3078.  2844.   2050. 8.1  0. 44.   30.
  1
EB        US40      BR  1075.  2846.  2358.  2897.   1515. 8.1 15. 56.   35.
  1
EB        US40      BR  2358.  2897.  2794.  2848.   1515. 8.1 15. 56.   35.
  1
EB        US40      AG  2794.  2848.  3075.  2858.   1515. 8.1  0. 56.   35.
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  1
WB        US40      AG  2979.  3201.  2659.  3162.   1185. 8.1  0. 56.   35.
  1
WB        US40      BR  2659.  3162.  2329.  3087.   1185. 8.1  15  68   35.
  1
WB        US40      BR  2329.  3087.  1320.  3038.   1185. 8.1  15  68   35.
  1
WB        US40      BR  1320.  3038.  1073.  3002.   1185. 8.1  15  68   35.
  1
WB        FRANK     AG  2987.  3218.  2139.  3169.    735. 8.1  0. 56.   30.
  2
WB        FRANK     AG  2183.  3171.  2404.  3184.      0. 36.   3
       150       103       3.0  735   43.6 1401 1 3
  1
WB        FRANK     AG  2139.  3169.  1105.  3123.    545. 8.1  0. 56.   30.
1.0   04  1000   0Y  5  0 72
```

JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 AM RUN: Site 5-6 BD 2021 AM
DATE: 09/19/2012 TIME: 14:48:21.07

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB MLK AP	*	2135.0	161.0	2042.0	443.0	*	297.	342.	AG	2640.	8.1	.0	56.0		
2. NB MLK AP	*	2042.0	443.0	2012.0	664.0	*	223.	352.	AG	2640.	8.1	.0	56.0		
3. NB MLK AP	*	2012.0	664.0	2028.0	856.0	*	193.	5.	AG	2640.	8.1	.0	56.0		
4. NB MLK TR	*	2028.0	856.0	2109.0	1174.0	*	328.	14.	AG	2490.	8.1	.0	68.0		
5. NB MLK TRQ	*	2095.0	1119.0	2035.0	881.6	*	245.	194.	AG	225.	100.0	.0	48.0	.81	12.4
6. NB MLK L	*	2028.0	856.0	2017.0	903.0	*	48.	347.	AG	150.	8.1	.0	32.0		
7. NB MLK L	*	2017.0	903.0	2089.0	1173.0	*	279.	15.	AG	150.	8.1	.0	32.0		
8. NB MLK LQ	*	2074.0	1117.0	1775.2	-11.2	*	1167.	195.	AG	44.	100.0	.0	12.0	3.19	59.3
9. NB MLK D FAY	*	2109.0	1174.0	2145.0	1344.0	*	174.	12.	AG	2145.	8.1	.0	56.0		
10. NB MLK LTA FA	*	2145.0	1344.0	2173.0	1566.0	*	224.	7.	AG	2145.	8.1	.0	68.0		
11. NB MLK LTQ FA	*	2165.0	1509.0	2150.7	1389.7	*	120.	187.	AG	128.	100.0	.0	48.0	.62	6.1
12. NB MLK D FAY	*	2173.0	1566.0	2188.0	1656.0	*	91.	9.	AG	2295.	8.1	.0	56.0		
13. NB MLK A SAR	*	2188.0	1656.0	2193.0	1941.0	*	285.	1.	AG	2065.	8.1	.0	56.0		
14. NB MLK A SAR	*	2193.0	1941.0	2157.0	2311.0	*	372.	354.	AG	2065.	8.1	.0	56.0		
15. NB MLK TR SAR	*	2157.0	2311.0	2139.0	2484.0	*	174.	354.	AG	2035.	8.1	.0	56.0		
16. NB MLK TRQ SA	*	2146.0	2425.0	2173.3	2163.2	*	263.	174.	AG	166.	100.0	.0	36.0	.76	13.4
17. NB MLK L SAR	*	2157.0	2311.0	2131.0	2365.0	*	60.	334.	AG	30.	8.1	.0	32.0		
18. NB MLK L SAR	*	2131.0	2365.0	2119.0	2484.0	*	120.	354.	AG	30.	8.1	.0	32.0		
19. NB MLK LQ SAR	*	2125.0	2427.0	2126.2	2416.0	*	11.	174.	AG	49.	100.0	.0	12.0	.60	.6
20. NB MLK A MUL	*	2139.0	2484.0	2117.0	2791.0	*	308.	356.	AG	1875.	8.1	.0	56.0		
21. NB MLK TRQ MU	*	2120.0	2746.0	2148.6	2372.5	*	375.	176.	AG	211.	100.0	.0	36.0	.95	19.0
22. NB MLK A FRA	*	2117.0	2791.0	2116.0	2956.0	*	165.	360.	AG	2285.	8.1	.0	56.0		
23. NB MLK T A FR	*	2116.0	2956.0	2131.0	3176.0	*	221.	4.	AG	2130.	8.1	.0	56.0		
24. NB MLK TQ FRA	*	2128.0	3130.0	2116.2	2947.9	*	182.	184.	AG	110.	100.0	.0	36.0	.60	9.3
25. NB MLK L A FR	*	2116.0	2956.0	2096.0	3008.0	*	56.	339.	AG	155.	8.1	.0	32.0		
26. NB MLK L QFRA	*	2096.0	3008.0	2105.0	3170.0	*	162.	3.	AG	155.	8.1	.0	32.0		
27. NB MLK LQ FRA	*	2103.0	3132.0	2092.5	2969.4	*	163.	184.	AG	101.	100.0	.0	12.0	.98	8.3
28. NB MLK D FRA	*	2131.0	3176.0	2153.0	3319.0	*	145.	9.	AG	2135.	8.1	.0	56.0		
29. NB MLK D FRA	*	2153.0	3319.0	2184.0	3423.0	*	109.	17.	AG	2135.	8.1	.0	56.0		
30. NB MLK D FRA	*	2184.0	3423.0	2254.0	3560.0	*	154.	27.	AG	2135.	8.1	.0	56.0		
31. NB MLK D FRA	*	2254.0	3560.0	2396.0	3748.0	*	236.	37.	AG	2135.	8.1	.0	56.0		
32. SB MLKTRAFRA	*	2341.0	3759.0	2244.0	3658.0	*	140.	224.	AG	2840.	8.1	.0	56.0		
33. SB MLKTAFRA	*	2244.0	3658.0	2132.0	3493.0	*	199.	214.	AG	2540.	8.1	.0	56.0		
34. SB MLKTAFRA	*	2132.0	3493.0	2064.0	3332.0	*	175.	203.	AG	2540.	8.1	.0	56.0		
35. SB MLKTAFRA	*	2064.0	3332.0	2024.0	3162.0	*	175.	193.	AG	2540.	8.1	.0	56.0		
36. SB MLKTQFRA	*	2034.0	3206.0	2130.8	3606.4	*	412.	14.	AG	159.	100.0	.0	36.0	.97	20.9
37. SB MLKRFRA	*	2244.0	3658.0	2135.0	3562.0	*	145.	229.	AG	300.	8.1	.0	44.0		
38. SB MLKRAFRA	*	2135.0	3562.0	2040.0	3397.0	*	190.	210.	AG	300.	8.1	.0	44.0		
39. SB MLKRAFRA	*	2040.0	3397.0	1976.0	3186.0	*	220.	197.	AG	300.	8.1	.0	44.0		
40. SB MLKRQFRA	*	1985.0	3217.0	2001.1	3270.4	*	56.	17.	AG	106.	100.0	.0	24.0	.25	2.8
41. SB MLKDFRA	*	2024.0	3162.0	2029.0	3027.0	*	135.	178.	AG	2725.	8.1	.0	56.0		
42. SB MLKTRMUL	*	2029.0	3027.0	2042.0	2797.0	*	230.	177.	AG	2655.	8.1	.0	56.0		
43. SB MLKTRMUL	*	2040.0	2832.0	1902.1	5153.5	*	2326.	357.	AG	185.	100.0	.0	36.0	1.26	118.1
44. SB MLKLMUL	*	2029.0	3027.0	2054.0	2949.0	*	82.	162.	AG	70.	8.1	.0	32.0		

JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 AM RUN: Site 5-6 BD 2021 AM
DATE: 09/19/2012 TIME: 14:48:21.07

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB MLKLMUL	*	2054.0	2949.0	2064.0	2802.0	*	147.	176.	AG	70.	8.1	.0	32.0		
46. SB MLK LQ MUL	*	2061.0	2844.0	2043.0	3129.8	*	286.	356.	AG	62.	100.0	.0	12.0	1.43	14.5
47. SB MLKASAR	*	2042.0	2797.0	2055.0	2668.0	*	130.	174.	AG	2795.	8.1	.0	56.0		
48. SB MLKTRSAR	*	2055.0	2668.0	2072.0	2477.0	*	192.	175.	AG	2570.	8.1	.0	56.0		
49. SB MLKTRSA	*	2067.0	2534.0	2040.4	2840.0	*	307.	355.	AG	126.	100.0	.0	36.0	.93	15.6
50. SB MLKLASAR	*	2055.0	2668.0	2080.0	2629.0	*	46.	147.	AG	225.	8.1	.0	32.0		
51. SB MLK LA SAR	*	2080.0	2629.0	2095.0	2483.0	*	147.	174.	AG	225.	8.1	.0	32.0		
52. SB MLKLQSA	*	2090.0	2532.0	1901.8	4351.6	*	1829.	354.	AG	33.	100.0	.0	12.0	3.81	92.9
53. SB MLK A FAY	*	2072.0	2477.0	2125.0	1886.0	*	593.	175.	AG	2555.	8.1	.0	56.0		
54. SB MLKAFAY	*	2125.0	1886.0	2117.0	1558.0	*	328.	181.	AG	2555.	8.1	.0	56.0		
55. SB MLKFAY	*	2118.0	1601.0	2122.6	1801.9	*	201.	1.	AG	96.	100.0	.0	36.0	.87	10.2
56. SB MLKABAL	*	2117.0	1558.0	2089.0	1397.0	*	163.	190.	AG	2700.	8.1	.0	56.0		
57. SB MLKTRBAL	*	2089.0	1397.0	2030.0	1159.0	*	245.	194.	AG	2525.	8.1	.0	56.0		
58. SB MLKTRQBA	*	2045.0	1220.0	2124.3	1540.3	*	330.	14.	AG	143.	100.0	.0	36.0	.93	16.8
59. SB MLKLBAL	*	2089.0	1397.0	2096.0	1330.0	*	67.	174.	AG	175.	8.1	.0	32.0		
60. SB MLKLBAL	*	2096.0	1330.0	2052.0	1157.0	*	179.	194.	AG	175.	8.1	.0	32.0		
61. SB MLKLBAL	*	2068.0	1221.0	2412.5	2546.0	*	1369.	15.	AG	32.	100.0	.0	12.0	3.37	69.5
62. SB MLK D BAL	*	2030.0	1159.0	1956.0	881.0	*	288.	195.	AG	2495.	8.1	.0	56.0		
63. SB MLK D BAL	*	1956.0	881.0	1942.0	661.0	*	220.	184.	AG	2495.	8.1	.0	56.0		
64. SB MLK D BAL	*	1942.0	661.0	1970.0	406.0	*	257.	174.	AG	2495.	8.1	.0	56.0		
65. SB MLK D BAL	*	1970.0	406.0	2079.0	127.0	*	300.	159.	AG	2495.	8.1	.0	56.0		

66.	EB	BALT	*	1066.0	1093.0	2024.0	1153.0	*	960.	86.	AG	245.	8.1	.0	44.0		
67.	EB	BALT	*	1968.0	1149.0	1898.1	1144.9	*	70.	267.	AG	164.	100.0	.0	24.0	.33	3.6
68.	EB	BALT D	*	2030.0	1159.0	3081.0	1213.0	*	1052.	87.	AG	730.	8.1	.0	44.0		
69.	WB	BALT	*	2000.0	1170.0	1055.0	1113.0	*	947.	267.	AG	215.	8.1	.0	32.0		
70.	WB	FAY	*	2969.0	1609.0	2152.0	1562.0	*	818.	267.	AG	540.	8.1	.0	68.0		
71.	WB	FAY	*	2225.0	1566.0	2305.3	1570.6	*	80.	87.	AG	340.	100.0	.0	48.0	.44	4.1
72.	WB	FAY	*	2152.0	1562.0	1122.0	1513.0	*	1031.	267.	AG	260.	8.1	.0	68.0		
73.	EB	SAR	*	1281.0	2430.0	2095.0	2471.0	*	815.	87.	AG	185.	8.1	.0	32.0		
74.	EB	SAR	*	2022.0	2467.0	1910.9	2461.6	*	111.	267.	AG	86.	100.0	.0	12.0	.56	5.7
75.	EB	SAR D	*	2095.0	2471.0	3028.0	2519.0	*	934.	87.	AG	565.	8.1	.0	44.0		
76.	WB	SAR	*	3038.0	2535.0	2143.0	2498.0	*	896.	268.	AG	100.	8.1	.0	44.0		
77.	WB	SAR	*	2183.0	2500.0	2213.0	2501.2	*	30.	88.	AG	172.	100.0	.0	24.0	.19	1.5
78.	WB	SAR D	*	2143.0	2498.0	1273.0	2442.0	*	872.	266.	AG	140.	8.1	.0	32.0		
79.	EB	MUL	*	1074.0	2750.0	1751.0	2780.0	*	678.	87.	AG	2370.	8.1	.0	44.0		
80.	EB	MUL	*	1751.0	2780.0	2089.0	2793.0	*	338.	88.	AG	2370.	8.1	.0	68.0		
81.	EB	MUL	*	1989.0	2789.0	1735.9	2780.0	*	253.	268.	AG	221.	100.0	.0	48.0	.88	12.9
82.	EB	MUL	*	2089.0	2793.0	3078.0	2844.0	*	990.	87.	AG	2050.	8.1	.0	44.0		
83.	EB	US40	*	1075.0	2846.0	2358.0	2897.0	*	1284.	88.	BR	1515.	8.1	15.0	56.0		
84.	EB	US40	*	2358.0	2897.0	2794.0	2848.0	*	439.	96.	BR	1515.	8.1	15.0	56.0		
85.	EB	US40	*	2794.0	2848.0	3075.0	2858.0	*	281.	88.	AG	1515.	8.1	.0	56.0		
86.	WB	US40	*	2979.0	3201.0	2659.0	3162.0	*	322.	263.	AG	1185.	8.1	.0	56.0		
87.	WB	US40	*	2659.0	3162.0	2329.0	3087.0	*	338.	257.	BR	1185.	8.1	15.0	68.0		
88.	WB	US40	*	2329.0	3087.0	1320.0	3038.0	*	1010.	267.	BR	1185.	8.1	15.0	68.0		
89.	WB	US40	*	1320.0	3038.0	1073.0	3002.0	*	250.	262.	BR	1185.	8.1	15.0	68.0		
90.	WB	FRANK	*	2987.0	3218.0	2139.0	3169.0	*	849.	267.	AG	735.	8.1	.0	56.0		
91.	WB	FRANK	*	2183.0	3171.0	2320.7	3179.1	*	138.	87.	AG	241.	100.0	.0	36.0	.63	7.0
92.	WB	FRANK	*	2139.0	3169.0	1105.0	3123.0	*	1035.	267.	AG	545.	8.1	.0	56.0		

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 AM RUN: Site 5-6 BD 2021 AM
DATE: 09/19/2012 TIME: 14:48:21.07

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. NB MLK TRQ	*	150	72	3.0	2490	1570	43.60	1	3
8. NB MLK LQ	*	150	56	3.0	150	80	43.60	1	3
11. NB MLK LTQ FA	*	150	41	3.0	2145	1253	43.60	1	3
16. NB MLK TRQ SA	*	150	71	3.0	2035	1800	43.60	1	3
19. NB MLK LQ SAR	*	150	63	3.0	30	93	43.60	1	3
21. NB MLK TRQ MU	*	150	90	3.0	1875	1800	43.60	1	3
24. NB MLK TQ FRA	*	150	47	3.0	2130	1800	43.60	1	3
27. NB MLK LQ FRA	*	150	129	3.0	155	1486	43.60	1	3
36. SB MLKTQFRA	*	150	68	3.0	2540	1700	43.60	1	3
40. SB MLKRQFRA	*	150	68	3.0	300	1148	43.60	1	3
43. SB MLKTRMUL	*	150	79	3.0	2655	1600	43.60	1	3
46. SB MLK LQ MUL	*	150	80	3.0	70	114	43.60	1	3
49. SB MLKTRSA	*	150	54	3.0	2570	1515	43.60	1	3
52. SB MLKLQSA	*	150	42	3.0	225	87	43.60	1	3
55. SB MLKFAY	*	150	41	3.0	2555	1416	43.60	1	3
58. SB MLKTRQBA	*	150	61	3.0	2525	1625	43.60	1	3
61. SB MLKLBAL	*	150	41	3.0	175	75	43.60	1	3
67. EB BALT	*	150	105	3.0	245	1398	43.60	1	3
71. WB FAY	*	150	109	3.0	540	1270	43.60	1	3
74. EB SAR	*	150	110	3.0	185	1407	43.60	1	3
77. WB SAR	*	150	110	3.0	100	1148	43.60	1	3
81. EB MUL	*	150	71	3.0	2370	1365	43.60	1	3
91. WB FRANK	*	150	103	3.0	735	1401	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. S6 R1 SE MID	*	2067.0	801.0	5.0	*
2. S6 R2 SE COR RED	*	2092.0	968.0	5.0	*
3. S6 R3 82 SE	*	2112.0	1043.0	5.0	*
4. S6 R4 SE COR	*	2139.0	1143.0	5.0	*
5. S6 R5 82 ES	*	2237.0	1146.0	5.0	*
6. S6 R6 164 ES	*	2320.0	1149.0	5.0	*
7. S6 R7 MID ES	*	2537.0	1157.0	5.0	*
8. S6 R8 MID EN	*	2537.0	1229.0	5.0	*
9. S6 R9 164 EN	*	2326.0	1213.0	5.0	*
10. S6 R10 82 EN	*	2236.0	1208.0	5.0	*
11. S6 R11 NE COR	*	2145.0	1207.0	5.0	*
12. S6 R12 82 NE	*	2164.0	1292.0	5.0	*
13. S6 R13 164 NE	*	2179.0	1375.0	5.0	*
14. S6 R14 SE COR FAY	*	2210.0	1529.0	5.0	*
15. S6 R15 NE COR FAY	*	2220.0	1608.0	5.0	*
16. S6 R16 NW COR FAY	*	2073.0	1601.0	5.0	*
17. S6 R17 164 NW	*	2054.0	1380.0	5.0	*
18. S6 R18 82 NW	*	2037.0	1298.0	5.0	*
19. S6 R19 NW COR	*	2002.0	1197.0	5.0	*
20. S6 R20 82 WN	*	1909.0	1187.0	5.0	*
21. S6 R21 164 WN	*	1828.0	1179.0	5.0	*
22. S6 R22 MID WN	*	1592.0	1167.0	5.0	*

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 AM RUN: Site 5-6 BD 2021 AM
DATE: 09/19/2012 TIME: 14:48:21.07

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
23. S6 R23 MID WS	1585.0	1108.0	5.0
24. S6 R24 164 WS	1789.0	1120.0	5.0
25. S6 R25 82 WS	1873.0	1126.0	5.0
26. S6 R26 SW COR	1972.0	1122.0	5.0
27. S6 R27 82 SW	1958.0	1026.0	5.0
28. S6 R28 164 SW	1939.0	947.0	5.0
29. S6 R29 MID SW	1911.0	798.0	5.0
30. S5 R1 SE COR SARAT	2183.0	2444.0	5.0
31. S5 R2 164 SE	2159.0	2584.0	5.0
32. S5 R3 82 SE	2153.0	2664.0	5.0
33. S5 R4 SE COR	2154.0	2762.0	5.0
34. S5 R5 82 ES	2245.0	2772.0	5.0
35. S5 R5 164 ES	2328.0	2775.0	5.0
36. S5 R6 MID ES	2556.0	2786.0	5.0
37. S5 R7 NE COR FRAN	2174.0	3214.0	5.0
38. S5 R8 NW COR FRAN	1959.0	3226.0	5.0
39. S5 R8 NE COR MUL	2152.0	2825.0	5.0
40. S5 R8 NW COR MUL	2002.0	2830.0	5.0
41. S5 R9 MID WS	1592.0	2741.0	5.0
42. S5 R10 164 WS	1837.0	2752.0	5.0
43. S5 R11 82 WS	1909.0	2754.0	5.0
44. S5 R12 SW COR	2011.0	2750.0	5.0
45. S5 R13 82 SW	2025.0	2662.0	5.0
46. S5 R14 164 SW	2032.0	2580.0	5.0
47. S5 R15 SW COR SARAT	2038.0	2437.0	5.0
48. S5 R16 NE COR SARAT	2177.0	2531.0	5.0
49. S5 R17 NW COR SARAT	2026.0	2518.0	5.0

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 AM RUN: Site 5-6 BD 2021 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	1.4	2.2	1.9	1.6	.7	.2	.2	.0	.1	.5	1.6	1.6	1.9	1.2	.9	.8	.7	.8	.6	.1
5.	1.2	1.9	1.8	1.6	.4	.2	.2	.0	.0	.2	1.4	1.4	1.4	1.0	.7	1.0	1.1	1.0	.6	.2
10.	.9	1.6	1.5	1.0	.3	.2	.2	.0	.0	.1	1.2	1.2	1.1	.8	.3	1.0	1.3	1.5	.8	.2
15.	.6	1.2	.9	.7	.2	.2	.2	.0	.0	.1	.8	.8	.8	.6	.1	1.1	1.7	1.8	1.2	.2
20.	.3	.8	.7	.6	.2	.2	.2	.0	.0	.0	.5	.6	.6	.6	.1	1.2	1.8	1.9	1.3	.3
25.	.2	.6	.4	.4	.2	.2	.2	.0	.0	.0	.4	.3	.4	.6	.0	1.2	1.8	2.2	1.5	.4
30.	.1	.4	.3	.3	.2	.2	.2	.0	.0	.0	.2	.3	.3	.7	.0	1.0	2.0	2.2	1.6	.5
35.	.0	.4	.2	.2	.2	.2	.2	.0	.0	.0	.1	.3	.2	.8	.0	1.0	2.1	2.1	1.7	.5
40.	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.1	.2	.8	.0	1.0	2.0	2.1	1.5	.6
45.	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.0	.2	1.0	.0	1.0	2.0	2.0	1.3	.6
50.	.0	.2	.2	.3	.2	.2	.2	.0	.0	.0	.1	.0	.1	1.0	.0	1.1	2.0	2.0	1.3	.7
55.	.0	.2	.2	.3	.3	.3	.2	.0	.0	.0	.1	.0	.1	1.0	.0	1.1	2.0	1.8	1.2	.7
60.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.0	.1	.9	.0	1.0	2.0	1.6	1.1	.6
65.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.0	.1	.9	.0	1.0	1.7	1.4	1.0	.5
70.	.0	.2	.1	.3	.3	.3	.3	.0	.0	.0	.0	.0	.1	.8	.0	1.0	1.5	1.5	.9	.5
75.	.0	.0	.1	.3	.3	.3	.3	.0	.1	.1	.1	.0	.0	.7	.1	1.1	1.5	1.3	1.0	.6
80.	.0	.0	.1	.3	.3	.3	.3	.1	.1	.1	.1	.0	.0	.6	.2	1.1	1.5	1.3	1.0	.5
85.	.0	.0	.0	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	.5	.2	1.0	1.5	1.2	.9	.5
90.	.0	.0	.0	.3	.2	.2	.2	.1	.2	.2	.2	.0	.0	.3	.3	1.1	1.5	1.3	1.1	.6
95.	.0	.0	.0	.2	.2	.2	.1	.2	.2	.2	.2	.1	.0	.2	.5	1.2	1.2	1.5	1.1	.6
100.	.0	.0	.0	.2	.1	.1	.1	.2	.2	.2	.2	.1	.0	.2	.6	1.2	1.4	1.5	1.0	.7
105.	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.2	.1	.0	.0	.7	1.1	1.4	1.5	1.1	.8
110.	.0	.0	.0	.1	.1	.0	.0	.2	.2	.2	.2	.1	.1	.0	.8	1.0	1.5	1.5	1.1	.9
115.	.0	.0	.0	.1	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.9	1.1	1.4	1.4	1.2	.8
120.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.9	1.0	1.4	1.4	1.2	.8
125.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.9	1.1	1.4	1.4	1.1	1.0
130.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.9	1.1	1.3	1.4	1.2	1.1
135.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.9	1.1	1.4	1.5	1.2	1.2
140.	.0	.1	.1	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.9	1.2	1.3	1.6	1.3	1.2
145.	.0	.1	.1	.1	.0	.0	.0	.1	.2	.2	.2	.2	.1	.0	.9	1.3	1.4	1.6	1.3	1.2
150.	.0	.1	.1	.1	.0	.0	.0	.1	.2	.2	.1	.2	.1	.0	.8	1.3	1.6	1.9	1.4	1.2
155.	.0	.1	.1	.1	.0	.0	.0	.1	.2	.2	.1	.2	.2	.0	.8	1.3	1.6	1.8	1.3	1.0
160.	.0	.1	.1	.1	.0	.0	.0	.1	.2	.2	.1	.2	.1	.0	.7	1.4	1.7	1.9	1.3	1.0
165.	.2	.1	.1	.1	.0	.0	.0	.1	.2	.2	.3	.2	.1	.1	.6	1.5	1.8	2.0	1.5	1.1
170.	.2	.1	.1	.1	.0	.0	.0	.1	.2	.2	.3	.2	.2	.1	.7	1.4	1.8	1.9	1.5	1.1
175.	.4	.4	.4	.3	.0	.0	.0	.1	.2	.2	.5	.5	.4	.1	.6	1.5	1.9	2.0	1.6	.9
180.	.6	.7	.6	.3	.0	.0	.0	.1	.2	.2	.6	.5	.6	.5	.7	1.3	1.7	1.9	1.5	.7
185.	.7	1.0	1.0	.7	.0	.0	.0	.1	.2	.2	1.0	.7	.8	.7	.9	1.2	1.8	1.8	1.3	.5
190.	.8	1.2	1.0	1.1	.0	.0	.0	.1	.2	.2	1.3	1.2	1.0	1.0	1.3	.9	1.5	1.6	1.1	.4
195.	1.0	1.3	1.6	1.5	.1	.0	.0	.1	.2	.4	1.8	1.4	1.1	1.2	1.5	.5	1.3	1.3	.5	.4
200.	1.0	1.5	1.7	1.7	.3	.0	.0	.1	.2	.5	1.8	1.4	1.3	1.3	1.5	.5	.7	.9	.5	.3
205.	1.1	1.7	1.7	1.8	.6	.1	.0	.1	.2	.6	1.9	1.5	1.3	1.6	1.6	.1	.5	.7	.3	.3

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 AM RUN: Site 5-6 BD 2021 AM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.1	1.7	2.0	1.8	.4	.1	.0	.1	.4	.9	1.8	1.6	1.4	1.7	1.5	.1	.3	.5	.2	.3
215.	1.1	1.8	1.9	1.8	.6	.3	.0	.2	.6	.9	1.9	1.3	1.4	1.6	1.5	.1	.2	.4	.4	.2
220.	1.1	1.8	2.0	1.8	.7	.4	.0	.2	.6	.9	1.6	1.3	1.4	1.5	1.5	.1	.1	.2	.4	.2
225.	1.0	1.9	2.0	1.7	.6	.4	.0	.2	.7	.8	1.5	1.2	1.2	1.4	1.5	.1	.1	.2	.4	.2
230.	1.0	1.9	1.9	1.6	.7	.4	.0	.3	.6	.9	1.5	1.1	1.2	1.3	1.3	.1	.1	.1	.4	.2
235.	.9	1.7	1.8	1.5	.8	.6	.0	.4	.6	.9	1.3	1.1	1.1	1.3	1.2	.1	.1	.1	.4	.2
240.	1.0	1.8	1.8	1.3	.7	.5	.2	.5	.6	.7	1.1	1.1	1.2	1.2	1.0	.1	.1	.1	.4	.2
245.	1.0	1.7	1.7	1.3	.8	.5	.3	.5	.6	.7	1.2	1.0	1.1	1.2	1.1	.1	.1	.1	.4	.2
250.	.9	1.7	1.7	1.2	.8	.5	.4	.5	.5	.8	1.1	1.1	1.1	1.1	1.1	.1	.0	.1	.3	.2
255.	.8	1.6	1.6	1.2	.8	.5	.4	.5	.7	.5	1.1	1.0	1.1	1.1	1.0	.1	.0	.1	.3	.2
260.	.8	1.6	1.6	1.0	.6	.5	.4	.3	.5	.6	1.2	1.0	1.0	1.1	1.1	.1	.0	.0	.3	.2
265.	.8	1.6	1.6	1.3	.7	.5	.5	.4	.5	.6	.8	1.0	1.0	1.2	1.0	.1	.0	.0	.1	.1
270.	.9	1.6	1.6	1.2	.7	.6	.3	.3	.3	.6	.9	1.0	1.1	1.1	.9	.1	.0	.0	.0	.1
275.	.9	1.6	1.6	1.2	.8	.7	.5	.3	.4	.5	1.0	1.1	1.0	1.2	.9	.0	.0	.0	.0	.0
280.	.9	1.6	1.6	1.2	.7	.6	.5	.3	.3	.5	1.0	1.1	1.1	1.1	.9	.0	.0	.0	.0	.0
285.	.8	1.7	1.6	1.1	.6	.6	.5	.2	.3	.5	1.0	1.1	1.2	1.1	.9	.0	.0	.0	.0	.0
290.	.7	1.6	1.6	1.1	.8	.6	.6	.3	.3	.5	1.0	1.0	1.1	1.0	.9	.0	.0	.0	.0	.0
295.	.8	1.6	1.7	1.0	.9	.6	.4	.3	.3	.5	1.0	1.0	1.3	.9	.9	.0	.0	.0	.0	.0
300.	.9	1.6	1.7	1.1	.8	.6	.4	.2	.4	.5	1.0	1.0	1.3	.9	1.0	.0	.0	.0	.0	.0
305.	.9	1.6	1.7	1.2	.7	.5	.4	.2	.5	.5	1.0	1.0	1.2	1.1	1.0	.0	.0	.0	.0	.0
310.	.8	1.6	1.6	1.2	.7	.5	.3	.2	.5	.5	1.0	1.2	1.4	1.0	.9	.0	.0	.0	.0	.0
315.	1.0	1.7	1.6	1.2	.7	.7	.4	.1	.3	.6	1.1	1.1	1.4	1.0	1.0	.0	.0	.1	.0	.0
320.	1.0	1.7	1.5	1.2	.8	.7	.3	.2	.4	.6	1.1	1.1	1.4	1.1	1.0	.0	.0	.1	.0	.0
325.	1.1	1.8	1.7	1.3	.8	.6	.3	.2	.5	.5	1.1	1.3	1.6	1.0	1.1	.0	.0	.1	.0	.0
330.	1.2	1.9	1.7	1.4	.8	.6	.4	.2	.4	.8	1.2	1.2	1.7	1.1	1.1	.0	.0	.1	.0	.0
335.	1.3	1.8	1.8	1.4	.8	.5	.3	.1	.3	.7	1.4	1.5	1.7	1.3	1.3	.0	.0	.1	.0	.0
340.	1.3	1.9	1.9	1.4	.7	.6	.3	.1	.5	.7	1.4	1.4	1.7	1.4	1.3	.0	.0	.1	.0	.0
345.	1.3	2.0	1.7	1.6	.9	.6	.2	.1	.5	.7	1.4	1.5	2.0	1.4	1.3	.2	.0	.1	.0	.0
350.	1.4	2.0	1.9	1.7	.6	.8	.2	.1	.5	.7	1.7	1.6	2.0	1.5	1.2	.3	.3	.2	.1	.0
355.	1.4	2.2	2.0	1.6	.7	.5	.2	.0	.4	.6	1.6	1.7	1.9	1.3	1.1	.5	.5	.7	.1	.0
360.	1.4	2.2	1.9	1.6	.7	.2	.2	.0	.1	.5	1.6	1.6	1.9	1.2	.9	.8	.7	.8	.6	.1
MAX	1.4	2.2	2.0	1.8	.9	.8	.6	.5	.7	.9	1.9	1.7	2.0	1.7	1.6	1.5	2.1	2.2	1.7	1.2
DEGR.	0	0	355	215	295	350	290	240	225	210	215	355	345	210	205	165	35	25	35	135

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 AM RUN: Site 5-6 BD 2021 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	.0	.0	.1	.1	.1	.5	.3	.4	.3	1.0	1.2	1.5	1.4	.9	.6	.8	1.0	.4	1.2	1.7
5.	.1	.0	.1	.2	.3	.7	.7	.7	.5	.7	1.0	1.0	1.3	.8	.6	.7	.8	.6	1.1	2.0
10.	.1	.0	.1	.2	.2	.8	.9	.8	.7	.7	.6	.8	1.0	.7	.8	.7	.7	.7	.7	2.2
15.	.1	.0	.1	.2	.3	1.1	1.0	.9	1.1	.4	.5	.6	.9	.6	.8	.7	.6	.9	.6	2.4
20.	.2	.0	.1	.3	.3	1.0	1.2	1.4	1.2	.4	.3	.4	.7	.6	.8	.7	.4	1.0	.5	2.4
25.	.2	.1	.2	.2	.6	1.2	1.1	1.2	1.4	.3	.3	.4	.6	.7	.7	.7	.2	1.2	.4	2.3
30.	.2	.1	.1	.2	.7	1.2	1.2	1.4	1.4	.3	.2	.4	.6	.7	.7	.7	.1	1.2	.2	2.4
35.	.3	.0	.1	.4	.7	1.2	1.2	1.3	1.3	.4	.2	.4	.6	.7	.7	.7	.0	1.5	.2	2.1
40.	.5	.1	.2	.5	.8	1.0	1.2	1.4	1.3	.5	.3	.4	.7	.9	.7	.8	.0	1.8	.3	2.0
45.	.4	.1	.1	.5	.9	1.1	1.3	1.5	1.4	.5	.4	.4	.7	.8	.7	.8	.0	1.8	.3	2.2
50.	.4	.1	.2	.5	.8	1.1	1.3	1.4	1.4	.3	.3	.3	.7	.8	.8	.8	.0	1.6	.3	2.0
55.	.4	.0	.2	.5	.9	1.1	1.4	1.4	1.3	.3	.3	.3	.8	.8	.8	.8	.0	1.7	.3	1.7
60.	.5	.0	.4	.5	.8	.9	1.3	1.4	1.1	.3	.3	.3	.8	.8	.9	.9	.0	1.7	.3	1.7
65.	.4	.2	.3	.5	1.0	.9	1.2	1.4	.9	.3	.2	.3	.9	.8	.9	1.0	.0	1.7	.4	1.7
70.	.4	.2	.3	.5	1.1	1.0	1.3	1.3	.9	.2	.1	.3	.8	.9	1.0	1.0	.0	1.7	.5	1.8
75.	.4	.1	.2	.7	.9	1.0	1.3	1.2	.8	.2	.1	.3	.8	.9	.8	.9	.1	1.5	.5	1.8
80.	.5	.1	.2	.7	.9	1.1	1.3	1.2	.9	.2	.1	.1	.7	.8	.8	.8	.2	1.5	.6	1.9
85.	.6	.2	.3	.7	1.0	1.0	1.2	1.2	.8	.2	.0	.1	.6	.7	.7	.7	.2	1.5	.8	2.0
90.	.7	.4	.4	.6	.9	1.0	1.2	1.2	.9	.1	.0	.1	.5	.6	.6	.5	.4	1.6	.8	2.0
95.	.6	.4	.4	.6	.9	1.1	1.2	1.2	.9	.1	.1	.0	.3	.4	.3	.4	.6	1.6	.9	2.2
100.	.7	.5	.4	.5	.7	1.1	1.2	1.2	.9	.1	.1	.0	.2	.2	.2	.2	.6	1.7	.9	2.1
105.	.8	.5	.3	.4	.7	1.0	1.2	1.2	.8	.0	.1	.0	.1	.1	.1	.1	.7	1.7	.8	2.1
110.	.8	.5	.3	.4	.6	1.1	1.2	1.1	.8	.0	.1	.0	.1	.1	.1	.1	.8	1.7	.7	1.9
115.	.7	.5	.3	.4	.6	1.1	1.2	1.1	.8	.0	.1	.0	.0	.1	.0	.0	.9	1.6	.7	2.0
120.	.7	.5	.2	.4	.6	1.1	1.2	1.2	.8	.0	.1	.0	.0	.0	.0	.0	1.1	1.5	.7	2.0
125.	.8	.4	.2	.4	.6	1.1	1.2	1.0	.9	.0	.2	.1	.0	.0	.0	.0	1.2	1.6	.6	1.9
130.	.7	.4	.2	.4	.6	1.1	1.2	1.0	1.0	.0	.2	.1	.0	.0	.0	.0	1.2	1.5	.6	2.0
135.	.6	.4	.1	.4	.6	1.1	1.2	1.2	.9	.0	.2	.1	.0	.0	.0	.0	1.0	1.7	.6	2.0
140.	.6	.3	.1	.5	.5	1.1	1.1	1.1	1.0	.0	.3	.1	.0	.0	.0	.0	1.0	1.7	.5	2.0
145.	.7	.3	.1	.3	.5	1.2	1.2	1.0	1.3	.0	.3	.1	.0	.0	.0	.0	1.0	1.9	.5	2.3
150.	.7	.2	.1	.4	.6	1.2	1.2	1.2	1.2	.0	.3	.2	.0	.0	.0	.0	.9	1.9	.5	2.2
155.	.6	.1	.0	.4	.6	1.2	1.3	1.1	1.4	.0	.4	.3	.2	.0	.0	.0	.9	1.9	.5	2.3
160.	.6	.2	.0	.4	.6	1.1	1.5	1.4	1.4	.2	.8	.4	.2	.0	.0	.0	.9	1.8	.7	2.4
165.	.7	.1	.0	.2	.5	1.3	1.5	1.6	1.3	.3	.9	.9	.4	.0	.0	.0	.8	1.6	.7	2.2
170.	.4	.1	.0	.2	.5	1.3	1.6	1.5	1.2	.6	1.3	1.2	1.0	.0	.0	.0	.9	1.6	1.1	2.0
175.	.4	.1	.0	.0	.3	1.3	1.6	1.4	1.0	.8	1.7	1.4	1.2	.0	.0	.0	1.2	1.2	1.5	1.8
180.	.2	.1	.0	.0	.2	1.2	1.3	1.3	.7	1.4	1.9	1.8	1.6	.4	.0	.0	1.3	.9	1.9	1.2

185. *	.2	.1	.0	.0	.1	.7	1.0	.9	.5	1.5	2.2	2.0	1.7	.5	.2	.0	1.6	.7	2.0	1.0
190. *	.2	.1	.0	.0	.0	.6	.7	.7	.2	1.6	2.1	2.1	1.9	.6	.2	.0	1.6	.5	2.0	1.0
195. *	.2	.2	.0	.0	.0	.3	.6	.5	.2	1.6	2.1	2.1	1.8	.8	.4	.0	1.8	.5	2.1	.8
200. *	.2	.2	.0	.0	.0	.3	.3	.3	.0	1.7	2.0	2.1	1.7	.8	.5	.0	1.6	.5	1.9	.8
205. *	.2	.2	.0	.0	.0	.1	.3	.2	.0	1.7	1.9	1.9	1.6	.7	.4	.1	1.8	.5	1.9	.9

1

JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 AM RUN: Site 5-6 BD 2021 AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210. *	.2	.2	.0	.0	.0	.0	.1	.2	.0	1.7	1.9	1.9	1.7	.6	.4	.2	1.7	.4	1.8	1.0
215. *	.2	.2	.0	.0	.0	.0	.1	.1	.0	1.6	1.9	1.9	1.6	.8	.5	.1	1.9	.4	1.8	1.1
220. *	.2	.2	.0	.0	.0	.0	.1	.0	.0	1.7	1.7	1.7	1.5	.7	.5	.1	1.9	.4	1.8	1.1
225. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.6	1.5	1.6	1.6	.7	.5	.2	1.9	.4	1.8	1.1
230. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.6	1.6	1.7	1.4	.6	.5	.2	1.4	.4	1.8	1.3
235. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.6	1.7	1.7	1.4	.7	.5	.2	1.5	.4	1.9	1.3
240. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.4	1.5	1.6	1.3	.7	.5	.3	1.4	.4	2.0	1.4
245. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.4	1.5	1.6	1.3	.8	.6	.4	1.3	.3	2.0	1.5
250. *	.2	.2	.1	.1	.1	.0	.0	.0	.0	1.4	1.5	1.6	1.3	.9	.6	.4	1.3	.2	2.1	1.4
255. *	.2	.2	.1	.1	.1	.0	.0	.0	.0	1.3	1.5	1.6	1.5	1.0	.8	.4	1.2	.2	2.1	1.6
260. *	.2	.2	.1	.1	.1	.1	.0	.0	.0	1.4	1.5	1.6	1.5	1.2	.9	.6	1.3	.1	2.1	1.4
265. *	.2	.1	.1	.1	.1	.2	.0	.0	.0	1.3	1.6	1.7	1.9	1.4	1.2	.9	1.2	.1	2.1	1.3
270. *	.1	.1	.1	.1	.1	.2	.0	.0	.0	1.4	1.7	1.8	1.9	1.6	1.4	.9	1.1	.1	2.1	1.1
275. *	.1	.0	.1	.1	.2	.3	.0	.0	.0	1.3	1.7	2.0	2.1	1.6	1.5	1.2	1.1	.0	2.0	.9
280. *	.0	.0	.2	.2	.2	.3	.0	.0	.0	1.3	1.7	2.0	2.0	1.8	1.5	1.3	1.0	.0	1.8	.7
285. *	.0	.0	.2	.2	.2	.4	.0	.0	.0	1.4	1.9	2.3	2.2	1.8	1.3	1.3	1.1	.0	1.7	.5
290. *	.0	.0	.2	.2	.2	.4	.0	.0	.0	1.5	2.0	2.2	2.0	1.6	1.3	1.2	1.1	.0	1.5	.5
295. *	.0	.0	.2	.2	.2	.5	.0	.0	.0	1.6	2.1	2.2	2.1	1.5	1.2	1.1	1.1	.0	1.4	.5
300. *	.0	.0	.2	.2	.2	.5	.0	.0	.0	1.6	2.1	2.3	2.1	1.5	1.2	1.1	1.1	.0	1.6	.4
305. *	.0	.0	.1	.1	.2	.5	.0	.0	.0	1.8	2.1	2.4	2.0	1.4	1.2	1.1	1.2	.0	1.5	.4
310. *	.0	.0	.1	.1	.1	.5	.0	.0	.0	2.0	2.3	2.4	2.1	1.5	1.4	1.0	1.2	.0	1.5	.4
315. *	.0	.0	.1	.1	.1	.5	.0	.0	.0	1.9	2.3	2.5	1.9	1.6	1.4	.9	1.1	.0	1.6	.3
320. *	.0	.0	.1	.1	.1	.5	.0	.0	.0	2.1	2.4	2.4	2.0	1.5	1.2	.8	1.1	.0	1.7	.3
325. *	.0	.0	.1	.1	.1	.5	.1	.0	.0	1.9	2.5	2.5	2.1	1.5	1.2	.8	1.2	.0	1.7	.3
330. *	.0	.0	.1	.1	.1	.5	.1	.0	.0	2.2	2.2	2.3	2.0	1.5	1.1	.8	1.3	.0	1.8	.3
335. *	.0	.0	.1	.1	.1	.4	.1	.0	.0	2.0	2.5	2.3	2.1	1.5	1.0	.9	1.2	.0	1.8	.5
340. *	.0	.0	.1	.1	.1	.4	.1	.0	.0	1.9	2.4	2.3	2.1	1.3	1.1	.9	1.2	.1	2.0	.5
345. *	.0	.0	.1	.1	.1	.4	.1	.1	.0	2.1	2.3	2.2	2.2	1.2	1.0	.9	1.3	.1	1.9	.7
350. *	.0	.0	.1	.1	.1	.3	.2	.2	.1	1.8	2.0	2.2	2.1	1.1	.9	.8	1.2	.2	1.8	.9
355. *	.0	.0	.1	.1	.1	.3	.2	.2	.2	1.4	1.6	1.9	1.8	1.0	.8	.8	1.1	.3	1.5	1.4
360. *	.0	.0	.1	.1	.1	.5	.3	.4	.3	1.0	1.2	1.5	1.4	.9	.6	.8	1.0	.4	1.2	1.7
MAX *	.8	.5	.4	.7	1.1	1.3	1.6	1.6	1.4	2.2	2.5	2.5	2.2	1.8	1.5	1.3	1.9	1.9	2.1	2.4
DEGR. *	105	100	60	75	70	165	175	165	30	330	325	315	285	280	275	280	215	150	195	160

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 AM RUN: Site 5-6 BD 2021 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
0. *	.8	1.6	1.7	2.5	2.4	2.0	1.6	.9	1.2
5. *	.9	1.7	1.8	2.6	2.5	2.1	1.8	.6	1.8
10. *	.8	1.6	2.1	2.8	2.4	2.3	1.9	.3	2.0
15. *	.8	1.7	2.1	2.8	2.3	2.4	1.8	.2	2.0
20. *	.8	1.9	2.2	2.5	2.2	2.2	1.5	.2	1.9
25. *	.9	2.1	2.0	2.6	2.3	2.0	1.6	.1	1.7
30. *	.9	2.0	2.1	2.6	2.1	2.0	1.4	.1	1.6
35. *	1.0	2.1	2.1	2.2	1.9	2.0	1.4	.2	1.5
40. *	1.0	2.2	2.3	2.2	2.0	1.8	1.3	.2	1.5
45. *	1.0	2.3	2.4	1.9	1.8	1.8	1.3	.2	1.5
50. *	1.1	2.3	2.1	1.9	1.9	1.8	1.2	.2	1.4
55. *	1.4	2.3	2.1	2.0	1.8	1.8	1.5	.2	1.5
60. *	1.4	2.2	2.3	2.1	1.7	1.8	1.3	.1	1.4
65. *	1.4	2.3	2.2	2.1	1.7	1.7	1.3	.1	1.3
70. *	1.4	2.3	2.0	2.1	1.8	1.6	1.4	.1	1.1
75. *	1.4	2.2	2.1	2.1	1.9	1.6	1.3	.1	1.2
80. *	1.4	2.2	2.2	2.2	1.8	1.7	1.2	.0	1.3
85. *	1.1	2.0	2.0	2.0	1.7	1.6	1.3	.1	1.3
90. *	.9	1.7	1.4	1.8	1.7	1.6	1.3	.1	1.2
95. *	1.0	1.4	1.2	1.5	1.5	1.5	1.3	.1	1.2
100. *	.7	1.1	1.0	1.5	1.4	1.5	1.2	.1	1.0
105. *	.6	1.0	.9	1.5	1.5	1.5	1.1	.2	1.0
110. *	.2	.8	.8	1.3	1.6	1.5	1.2	.2	1.2
115. *	.2	.6	.8	1.4	1.6	1.5	1.2	.2	1.3
120. *	.2	.6	.8	1.5	1.6	1.7	1.1	.3	1.2
125. *	.1	.5	.8	1.5	1.7	1.7	1.2	.3	1.2
130. *	.1	.5	.8	1.7	1.6	1.6	1.3	.3	1.2

135.	*	.1	.6	.8	1.7	1.7	1.8	1.3	.4	1.1
140.	*	.1	.6	.8	1.8	1.8	1.8	1.1	.4	1.4
145.	*	.1	.6	.9	1.7	2.0	1.8	1.3	.4	1.4
150.	*	.1	.5	.7	2.1	1.9	1.7	1.3	.4	1.2
155.	*	.0	.2	.6	1.9	2.0	1.6	1.2	.4	1.2
160.	*	.0	.1	.4	1.9	1.9	1.5	1.1	.7	1.0
165.	*	.0	.1	.3	1.7	1.8	1.5	1.2	.7	.9
170.	*	.0	.1	.1	1.4	1.6	1.3	1.0	.8	.9
175.	*	.0	.0	.1	1.1	1.2	1.1	.8	1.2	.6
180.	*	.0	.0	.0	.7	.7	.6	.5	1.4	.3
185.	*	.0	.0	.0	.4	.6	.4	.3	1.6	.3
190.	*	.0	.0	.0	.3	.3	.3	.2	1.8	.2
195.	*	.0	.0	.0	.0	.3	.3	.1	1.7	.2
200.	*	.0	.0	.0	.0	.1	.2	.1	1.7	.1
205.	*	.0	.1	.0	.0	.1	.2	.0	1.5	.1

1

JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 AM RUN: Site 5-6 BD 2021 AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
210.	*	.0	.1	.1	.0	.1	.2	.0	1.6	.1
215.	*	.0	.1	.1	.0	.1	.2	.0	1.5	.1
220.	*	.0	.1	.1	.0	.1	.2	.0	1.5	.1
225.	*	.0	.1	.1	.0	.1	.0	.0	1.4	.1
230.	*	.0	.1	.1	.0	.0	.0	.0	1.3	.1
235.	*	.0	.1	.1	.0	.0	.0	.0	1.3	.1
240.	*	.0	.1	.1	.1	.0	.0	.0	1.3	.1
245.	*	.1	.2	.3	.1	.0	.0	.0	1.2	.1
250.	*	.1	.4	.4	.2	.0	.0	.0	1.2	.1
255.	*	.2	.5	.6	.4	.0	.0	.0	1.2	.0
260.	*	.3	.8	.8	.6	.0	.0	.0	1.2	.0
265.	*	.5	1.0	1.1	.9	.1	.0	.0	1.3	.0
270.	*	.6	1.2	1.5	1.2	.1	.0	.1	1.3	.0
275.	*	.8	1.5	1.6	1.4	.1	.1	.2	1.4	.0
280.	*	.9	1.5	1.8	1.6	.5	.1	.2	1.4	.1
285.	*	.9	1.8	1.9	1.6	.5	.2	.3	1.4	.1
290.	*	.9	1.8	1.9	1.6	.5	.2	.4	1.5	.2
295.	*	.9	1.7	1.8	1.6	.6	.3	.4	1.7	.2
300.	*	.9	1.7	1.8	1.6	.6	.4	.5	1.8	.2
305.	*	.9	1.7	1.8	1.6	.7	.5	.4	1.9	.3
310.	*	.9	1.7	1.8	1.4	.8	.5	.4	1.9	.4
315.	*	.8	1.6	1.7	1.4	.9	.5	.4	1.9	.4
320.	*	.8	1.6	1.6	1.2	.9	.6	.5	1.9	.3
325.	*	.8	1.5	1.5	1.2	.8	.6	.4	2.0	.3
330.	*	.8	1.5	1.5	1.0	.8	.6	.4	1.9	.3
335.	*	.7	1.4	1.4	1.2	1.0	.7	.4	1.8	.3
340.	*	.7	1.4	1.4	1.1	1.0	.9	.6	1.9	.4
345.	*	.7	1.4	1.4	1.2	1.3	1.0	.9	1.7	.8
350.	*	.8	1.5	1.6	1.6	1.6	1.4	1.0	1.4	.9
355.	*	.8	1.6	1.6	2.1	1.9	1.7	1.3	1.2	1.1
360.	*	.8	1.6	1.7	2.5	2.4	2.0	1.6	.9	1.2
MAX	*	1.4	2.3	2.4	2.8	2.5	2.4	1.9	2.0	2.0
DEGR.	*	55	45	45	10	5	15	10	325	10

THE HIGHEST CONCENTRATION IS 2.80 PPM AT 10 DEGREES FROM REC44.
THE 2ND HIGHEST CONCENTRATION IS 2.50 PPM AT 325 DEGREES FROM REC31.
THE 3RD HIGHEST CONCENTRATION IS 2.50 PPM AT 315 DEGREES FROM REC32.

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Site 5-6 MLK & Mulberry/Balt BD 2021 PM 60.0321.0.0000.000490.30480000    1    1
S6 R1 SE MID             2067.      801.        5.
S6 R2 SE COR RED         2092.      968.        5.
S6 R3 82 SE              2112.     1043.        5.
S6 R4 SE COR             2139.     1143.        5.
S6 R5 82 ES              2237.     1146.        5.
S6 R6 164 ES             2320.     1149.        5.
S6 R7 MID ES             2537.     1157.        5.
S6 R8 MID EN             2537.     1229.        5.
S6 R9 164 EN             2326.     1213.        5.
S6 R10 82 EN             2236.     1208.        5.
S6 R11 NE COR            2145.     1207.        5.
S6 R12 82 NE             2164.     1292.        5.
S6 R13 164 NE            2179.     1375.        5.
S6 R14 SE COR FAY        2210.     1529.        5.
S6 R15 NE COR FAY        2220.     1608.        5.
S6 R16 NW COR FAY        2073.     1601.        5.
S6 R17 164 NW            2054.     1380.        5.
S6 R18 82 NW             2037.     1298.        5.
S6 R19 NW COR            2002.     1197.        5.
S6 R20 82 WN             1909.     1187.        5.
S6 R21 164 WN            1828.     1179.        5.
S6 R22 MID WN            1592.     1167.        5.
S6 R23 MID WS            1585.     1108.        5.
S6 R24 164 WS            1789.     1120.        5.
S6 R25 82 WS             1873.     1126.        5.
S6 R26 SW COR            1972.     1122.        5.
S6 R27 82 SW             1958.     1026.        5.
S6 R28 164 SW            1939.      947.        5.
S6 R29 MID SW            1911.      798.        5.
S5 R1 SE COR SARAT       2183.     2444.        5.
S5 R2 164 SE             2159.     2584.        5.
S5 R3 82 SE              2153.     2664.        5.
S5 R4 SE COR             2154.     2762.        5.
S5 R5 82 ES              2245.     2772.        5.
S5 R5 164 ES             2328.     2775.        5.
S5 R6 MID ES             2556.     2786.        5.
S5 R7 NE COR FRAN        2174.     3214.        5.
S5 R8 NW COR FRAN        1959.     3226.        5.
S5 R8 NE COR MUL         2152.     2825.        5.
S5 R8 NW COR MUL         2002.     2830.        5.
S5 R9  MID WS            1592.     2741.        5.
S5 R10 164 WS            1837.     2752.        5.
S5 R11 82 WS             1909.     2754.        5.
S5 R12 SW COR            2011.     2750.        5.
S5 R13 82 SW             2025.     2662.        5.
S5 R14 164 SW            2032.     2580.        5.
S5 R15 SW COR SARAT      2038.     2437.        5.
S5 R16 NE COR SARAT      2177.     2531.        5.
S5 R17 NW COR SARAT      2026.     2518.        5.
Site 5-6 BD 2021  PM                    92  1   0
  1
NB        MLK AP    AG  2135.   161.  2042.   443.   2660. 8.1  0. 56.   35.
  1
NB        MLK AP    AG  2042.   443.  2012.   664.   2660. 8.1  0. 56.   35.
  1
NB        MLK AP    AG  2012.   664.  2028.   856.   2660. 8.1  0. 56.   35.
  1
NB        MLK TR    AG  2028.   856.  2109.  1174.   2555. 8.1  0. 68.   35.
  2
NB        MLK TRQ   AG  2095.  1119.  2046.   925.      0. 48.   4
       150        70       3.0 2555   43.6 1492 1 3
  1
NB        MLK L     AG  2028.   856.  2017.   903.    105. 8.1  0. 32.   35.
  1
NB        MLK L     AG  2017.   903.  2089.  1173.    105. 8.1  0. 32.   35.
  2
NB        MLK LQ    AG  2074.  1117.  2025.   932.      0. 12.   1
       150        60       3.0  105   43.6   85 1 3
  1
NB        MLK D FAY AG  2109.  1174.  2145.  1344.   2385. 8.1  0. 56.   35.
  1
NB        MLK LTA FAAG  2145.  1344.  2173.  1566.   2385. 8.1  0. 68.   35.
  2
NB        MLK LTQ FAAG  2165.  1509.  2150.  1384.      0. 48.   4
       150        58       3.0 2385   43.6 1211 1 3
  1
NB        MLK D FAY AG  2173.  1566.  2188.  1656.   2660. 8.1  0. 56.   35.
  1
NB        MLK A SAR AG  2188.  1656.  2193.  1941.   2595. 8.1  0. 56.   35.
  1
NB        MLK A SAR AG  2193.  1941.  2157.  2311.   2595. 8.1  0. 56.   35.
  1
NB        MLK TR SARAG  2157.  2311.  2139.  2484.   2555. 8.1  0. 56.   35.
  2
NB        MLK TRQ SAAG  2146.  2425.  2156.  2329.      0. 36.   3
       150        65       3.0 2555   43.6 1598 1 3
  1
NB        MLK L SAR AG  2157.  2311.  2131.  2365.     40. 8.1  0. 32.   35.
  1
NB        MLK L SAR AG  2131.  2365.  2119.  2484.     40. 8.1  0. 32.   35.
  2
NB        MLK LQ SARAG  2125.  2427.  2130.  2380.      0. 12.   1
       150        56       3.0   40   43.6   89 1 3
  1
```

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NB        MLK A MUL AG  2139.  2484.  2117.  2791.   2540. 8.1  0. 56.   35.
  2
NB        MLK TRQ MUAG  2120.  2746.  2132.  2589.      0. 36.   3
       150        77       3.0 2540   43.6 1757 1 3
  1
NB        MLK A FRA AG  2117.  2791.  2116.  2956.   2895. 8.1  0. 56.   35.
  1
NB        MLK T A FRAG  2116.  2956.  2131.  3176.   2515. 8.1  0. 56.   35.
  2
NB        MLK TQ FRAAG  2128.  3130.  2123.  3053.      0. 36.   3
       150        67       3.0 2515   43.6 1784 1 3
  1
NB        MLK L A FRAG  2116.  2956.  2096.  3008.    380. 8.1  0. 32.   35.
  1
NB        MLK L QFRAAG  2096.  3008.  2105.  3170.    380. 8.1  0. 32.   35.
  2
NB        MLK LQ FRAAG  2103.  3132.  2097.  3039.      0. 12.   1
       150       116       3.0  380   43.6 1863 1 3
  1
NB        MLK D FRA AG  2131.  3176.  2153.  3319.   2530. 8.1  0. 56.   35.
  1
NB        MLK D FRA AG  2153.  3319.  2184.  3423.   2530. 8.1  0. 56.   35.
  1
NB        MLK D FRA AG  2184.  3423.  2254.  3560.   2530. 8.1  0. 56.   35.
  1
NB        MLK D FRA AG  2254.  3560.  2396.  3748.   2530. 8.1  0. 56.   35.
  1
SB        MLKTRAFRA AG  2341.  3759.  2244.  3658.   1980. 8.1  0. 56.   35.
  1
SB        MLKTAFRA  AG  2244.  3658.  2132.  3493.   1520. 8.1  0. 56.   35.
  1
SB        MLKTAFRA  AG  2132.  3493.  2064.  3332.   1520. 8.1  0. 56.   35.
  1
SB        MLKTAFRA  AG  2064.  3332.  2024.  3162.   1520. 8.1  0. 56.   35.
  2
SB        MLKTQFRA  AG  2034.  3206.  2056.  3297.      0. 36.   3
       150       101       3.0 1520   43.6 1582 1 3
  1
SB        MLKRFRA   AG  2244.  3658.  2135.  3562.    460. 8.1  0. 44.   35.
  1
SB        MLKRAFRA  AG  2135.  3562.  2040.  3397.    460. 8.1  0. 44.   35.
  1
SB        MLKRAFRA  AG  2040.  3397.  1976.  3186.    460. 8.1  0. 44.   35.
  2
SB        MLKRQFRA  AG  1985.  3217.  2013.  3310.      0. 24.   2
       150       101       3.0  460   43.6 1269 1 3
  1
SB        MLKDFRA   AG  2024.  3162.  2029.  3027.   1850. 8.1  0. 56.   35.
  1
SB        MLKTRMUL  AG  2029.  3027.  2042.  2797.   1785. 8.1  0. 56.   35.
  2
SB        MLKTRMUL  AG  2040.  2832.  2034.  2933.      0. 36.   3
       150        62       3.0 1785   43.6 1695 1 3
  1
SB        MLKLMUL   AG  2029.  3027.  2054.  2949.     65. 8.1  0. 32.   35.
  1
SB        MLKLMUL   AG  2054.  2949.  2064.  2802.     65. 8.1  0. 32.   35.
  2
SB        MLK LQ MULAG  2061.  2844.  2055.  2939.      0. 12.   1
       150        62       3.0   65   43.6  103 1 3
  1
SB        MLKASAR   AG  2042.  2797.  2055.  2668.   1765. 8.1  0. 56.   35.
  1
SB        MLKTRSAR  AG  2055.  2668.  2072.  2477.   1730. 8.1  0. 56.   35.
  2
SB        MLKTRSA   AG  2067.  2534.  2057.  2649.      0. 36.   3
       150        65       3.0 1730   43.6 1505 1 3
  1
SB        MLKLASAR  AG  2055.  2668.  2080.  2629.     35. 8.1  0. 32.   35.
  1
SB        MLK LA SARAG  2080.  2629.  2095.  2483.     35. 8.1  0. 32.   35.
  2
SB        MLKLQSA   AG  2090.  2532.  2081.  2619.      0. 12.   1
       150        56       3.0   35   43.6   84 1 3
  1
SB        MLK A FAY AG  2072.  2477.  2125.  1886.   3310. 8.1  0. 56.   35.
  1
SB        MLKAFAY   AG  2125.  1886.  2117.  1558.   3310. 8.1  0. 56.   35.
  2
SB        MLKFAY    AG  2118.  1601.  2121.  1732.      0. 36.   3
       150        42       3.0 3310   43.6 1416 1 3
  1
SB        MLKABAL   AG  2117.  1558.  2089.  1397.   2355. 8.1  0. 56.   35.
  1
SB        MLKTRBAL  AG  2089.  1397.  2030.  1159.   2225. 8.1  0. 56.   35.
  2
SB        MLKTRQBA  AG  2045.  1220.  2071.  1325.      0. 36.   3
       150        70       3.0 2225   43.6 1369 1 3
  1
SB        MLKLBAL   AG  2089.  1397.  2096.  1330.    130. 8.1  0. 32.   35.
  1
SB        MLKLBAL   AG  2096.  1330.  2052.  1157.    130. 8.1  0. 32.   35.
  2
SB        MLKLBAL   AG  2068.  1221.  2094.  1321.      0. 12.   1
       150        60       3.0  130   43.6   81 1 3
```

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  1
SB        MLK D BAL AG  2030.  1159.  1956.   881.   2350. 8.1  0. 56.   35.
  1
SB        MLK D BAL AG  1956.   881.  1942.   661.   2350. 8.1  0. 56.   35.
  1
SB        MLK D BAL AG  1942.   661.  1970.   406.   2350. 8.1  0. 56.   35.
  1
SB        MLK D BAL AG  1970.   406.  2079.   127.   2350. 8.1  0. 56.   35.
  1
EB        BALT      AG  1066.  1093.  2024.  1153.    610. 8.1  0. 44.   30.
  2
EB        BALT      AG  1968.  1149.  1831.  1141.      0. 24.   2
       150        95       3.0  610   43.6 1360 1 3
  1
EB        BALT D    AG  2030.  1159.  3081.  1213.    720. 8.1  0. 44.   30.
  1
WB        BALT      AG  2000.  1170.  1055.  1113.    170. 8.1  0. 32.   30.
  1
WB        FAY       AG  2969.  1609.  2152.  1562.   1485. 8.1  0. 68.   30.
  2
WB        FAY       AG  2225.  1566.  2468.  1580.      0. 48.   4
       150        92       3.0 1485   43.6 1288 1 3
  1
WB        FAY       AG  2152.  1562.  1122.  1513.    665. 8.1  0. 68.   30.
  1
EB        SAR       AG  1281.  2430.  2095.  2471.     95. 8.1  0. 32.   30.
  2
EB        SAR       AG  2022.  2467.  1857.  2459.      0. 12.   1
       150       100       3.0   95   43.6 1279 1 3
  1
EB        SAR D     AG  2095.  2471.  3028.  2519.    135. 8.1  0. 32.   30.
  1
WB        SAR       AG  3038.  2535.  2143.  2498.    340. 8.1  0. 44.   30.
  2
WB        SAR       AG  2183.  2500.  2479.  2512.      0. 24.   2
       150       100       3.0  340   43.6 1237 1 3
  1
WB        SAR D     AG  2143.  2498.  1273.  2442.    190. 8.1  0. 32.   30.
  1
EB        MUL       AG  1074.  2750.  1751.  2780.   1595. 8.1  0. 44.   30.
  1
EB        MUL       AG  1751.  2780.  2089.  2793.   1595. 8.1  0. 68.   30.
  2
EB        MUL       AG  1989.  2789.  1849.  2784.      0. 48.   4
       150        88       3.0 1595   43.6 1517 1 3
  1
EB        MUL       AG  2089.  2793.  3078.  2844.   1425. 8.1  0. 44.   30.
  1
EB        US40      BR  1075.  2846.  2358.  2897.   1390. 8.1 15. 56.   35.
  1
EB        US40      BR  2358.  2897.  2794.  2848.   1390. 8.1 15. 56.   35.
  1
EB        US40      AG  2794.  2848.  3075.  2858.   1390. 8.1  0. 56.   35.
  1
WB        US40      AG  2979.  3201.  2659.  3162.   1655. 8.1  0. 56.   35.
  1
WB        US40      BR  2659.  3162.  2329.  3087.   1655. 8.1  15  68   35.
  1
WB        US40      BR  2329.  3087.  1320.  3038.   1655. 8.1  15  68   35.
  1
WB        US40      BR  1320.  3038.  1073.  3002.   1655. 8.1  15  68   35.
  1
WB        FRANK     AG  2987.  3218.  2139.  3169.   1610. 8.1  0. 56.   30.
  2
WB        FRANK     AG  2183.  3171.  2404.  3184.      0. 36.   3
       150        83       3.0 1610   43.6 1559 1 3
  1
WB        FRANK     AG  2139.  3169.  1105.  3123.   2105. 8.1  0. 56.   30.
1.0   04  1000   0Y  5  0 72
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JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 PM RUN: Site 5-6 BD 2021 PM
DATE: 09/19/2012 TIME: 12:17:09.02

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB MLK AP	*	2135.0	161.0	2042.0	443.0	*	297.	342.	AG	2660.	8.1	.0	56.0		
2. NB MLK AP	*	2042.0	443.0	2012.0	664.0	*	223.	352.	AG	2660.	8.1	.0	56.0		
3. NB MLK AP	*	2012.0	664.0	2028.0	856.0	*	193.	5.	AG	2660.	8.1	.0	56.0		
4. NB MLK TR	*	2028.0	856.0	2109.0	1174.0	*	328.	14.	AG	2555.	8.1	.0	68.0		
5. NB MLK TRQ	*	2095.0	1119.0	2032.2	870.5	*	256.	194.	AG	218.	100.0	.0	48.0	.86	13.0
6. NB MLK L	*	2028.0	856.0	2017.0	903.0	*	48.	347.	AG	105.	8.1	.0	32.0		
7. NB MLK L	*	2017.0	903.0	2089.0	1173.0	*	279.	15.	AG	105.	8.1	.0	32.0		
8. NB MLK LQ	*	2074.0	1117.0	1902.5	469.5	*	670.	195.	AG	47.	100.0	.0	12.0	2.19	34.0
9. NB MLK D FAY	*	2109.0	1174.0	2145.0	1344.0	*	174.	12.	AG	2385.	8.1	.0	56.0		
10. NB MLK LTA FA	*	2145.0	1344.0	2173.0	1566.0	*	224.	7.	AG	2385.	8.1	.0	68.0		
11. NB MLK LTQ FA	*	2165.0	1509.0	2141.3	1311.9	*	199.	187.	AG	181.	100.0	.0	48.0	.85	10.1
12. NB MLK D FAY	*	2173.0	1566.0	2188.0	1656.0	*	91.	9.	AG	2660.	8.1	.0	56.0		
13. NB MLK A SAR	*	2188.0	1656.0	2193.0	1941.0	*	285.	1.	AG	2595.	8.1	.0	56.0		
14. NB MLK A SAR	*	2193.0	1941.0	2157.0	2311.0	*	372.	354.	AG	2595.	8.1	.0	56.0		
15. NB MLK TR SAR	*	2157.0	2311.0	2139.0	2484.0	*	174.	354.	AG	2555.	8.1	.0	56.0		
16. NB MLK TRQ SA	*	2146.0	2425.0	2191.8	1985.2	*	442.	174.	AG	152.	100.0	.0	36.0	1.00	22.5
17. NB MLK L SAR	*	2157.0	2311.0	2131.0	2365.0	*	60.	334.	AG	40.	8.1	.0	32.0		
18. NB MLK L SAR	*	2131.0	2365.0	2119.0	2484.0	*	120.	354.	AG	40.	8.1	.0	32.0		
19. NB MLK LQ SAR	*	2125.0	2427.0	2127.1	2407.7	*	19.	174.	AG	44.	100.0	.0	12.0	.77	1.0
20. NB MLK A MUL	*	2139.0	2484.0	2117.0	2791.0	*	308.	356.	AG	2540.	8.1	.0	56.0		
21. NB MLK TRQ MU	*	2120.0	2746.0	2195.7	1755.2	*	994.	176.	AG	180.	100.0	.0	36.0	1.06	50.5
22. NB MLK A FRA	*	2117.0	2791.0	2116.0	2956.0	*	165.	360.	AG	2895.	8.1	.0	56.0		
23. NB MLK T A FR	*	2116.0	2956.0	2131.0	3176.0	*	221.	4.	AG	2515.	8.1	.0	56.0		
24. NB MLK TQ FRA	*	2128.0	3130.0	2105.9	2789.8	*	341.	184.	AG	157.	100.0	.0	36.0	.90	17.3
25. NB MLK L A FR	*	2116.0	2956.0	2096.0	3008.0	*	56.	339.	AG	380.	8.1	.0	32.0		
26. NB MLK L QFRA	*	2096.0	3008.0	2105.0	3170.0	*	162.	3.	AG	380.	8.1	.0	32.0		
27. NB MLK LQ FRA	*	2103.0	3132.0	2068.6	2598.2	*	535.	184.	AG	90.	100.0	.0	12.0	1.06	27.2
28. NB MLK D FRA	*	2131.0	3176.0	2153.0	3319.0	*	145.	9.	AG	2530.	8.1	.0	56.0		
29. NB MLK D FRA	*	2153.0	3319.0	2184.0	3423.0	*	109.	17.	AG	2530.	8.1	.0	56.0		
30. NB MLK D FRA	*	2184.0	3423.0	2254.0	3560.0	*	154.	27.	AG	2530.	8.1	.0	56.0		
31. NB MLK D FRA	*	2254.0	3560.0	2396.0	3748.0	*	236.	37.	AG	2530.	8.1	.0	56.0		
32. SB MLKTRAFRA	*	2341.0	3759.0	2244.0	3658.0	*	140.	224.	AG	1980.	8.1	.0	56.0		
33. SB MLKTAFRA	*	2244.0	3658.0	2132.0	3493.0	*	199.	214.	AG	1520.	8.1	.0	56.0		
34. SB MLKTAFRA	*	2132.0	3493.0	2064.0	3332.0	*	175.	203.	AG	1520.	8.1	.0	56.0		
35. SB MLKTAFRA	*	2064.0	3332.0	2024.0	3162.0	*	175.	193.	AG	1520.	8.1	.0	56.0		
36. SB MLKTQFRA	*	2034.0	3206.0	2223.6	3990.1	*	807.	14.	AG	236.	100.0	.0	36.0	1.09	41.0
37. SB MLKRFRA	*	2244.0	3658.0	2135.0	3562.0	*	145.	229.	AG	460.	8.1	.0	44.0		
38. SB MLKRAFRA	*	2135.0	3562.0	2040.0	3397.0	*	190.	210.	AG	460.	8.1	.0	44.0		
39. SB MLKRAFRA	*	2040.0	3397.0	1976.0	3186.0	*	220.	197.	AG	460.	8.1	.0	44.0		
40. SB MLKRQFRA	*	1985.0	3217.0	2021.6	3338.6	*	127.	17.	AG	157.	100.0	.0	24.0	.62	6.5
41. SB MLKDFRA	*	2024.0	3162.0	2029.0	3027.0	*	135.	178.	AG	1850.	8.1	.0	56.0		
42. SB MLKTRMUL	*	2029.0	3027.0	2042.0	2797.0	*	230.	177.	AG	1785.	8.1	.0	56.0		
43. SB MLKTRMUL	*	2040.0	2832.0	2028.0	3033.4	*	202.	357.	AG	145.	100.0	.0	36.0	.64	10.2
44. SB MLKLMUL	*	2029.0	3027.0	2054.0	2949.0	*	82.	162.	AG	65.	8.1	.0	32.0		

JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 PM RUN: Site 5-6 BD 2021 PM
DATE: 09/19/2012 TIME: 12:17:09.02

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB MLKLMUL	*	2054.0	2949.0	2064.0	2802.0	*	147.	176.	AG	65.	8.1	.0	32.0		
46. SB MLK LQ MUL	*	2061.0	2844.0	2051.3	2996.9	*	153.	356.	AG	48.	100.0	.0	12.0	1.16	7.8
47. SB MLKASAR	*	2042.0	2797.0	2055.0	2668.0	*	130.	174.	AG	1765.	8.1	.0	56.0		
48. SB MLKTRSAR	*	2055.0	2668.0	2072.0	2477.0	*	192.	175.	AG	1730.	8.1	.0	56.0		
49. SB MLKTRSA	*	2067.0	2534.0	2049.3	2738.0	*	205.	355.	AG	152.	100.0	.0	36.0	.72	10.4
50. SB MLKLASAR	*	2055.0	2668.0	2080.0	2629.0	*	46.	147.	AG	35.	8.1	.0	32.0		
51. SB MLK LA SAR	*	2080.0	2629.0	2095.0	2483.0	*	147.	174.	AG	35.	8.1	.0	32.0		
52. SB MLKLQSA	*	2090.0	2532.0	2088.5	2546.9	*	15.	354.	AG	44.	100.0	.0	12.0	.71	.8
53. SB MLK A FAY	*	2072.0	2477.0	2125.0	1886.0	*	593.	175.	AG	3310.	8.1	.0	56.0		
54. SB MLKAFAY	*	2125.0	1886.0	2117.0	1558.0	*	328.	181.	AG	3310.	8.1	.0	56.0		
55. SB MLKFAY	*	2118.0	1601.0	2157.3	3315.7	*	1715.	1.	AG	98.	100.0	.0	36.0	1.13	87.1
56. SB MLKABAL	*	2117.0	1558.0	2089.0	1397.0	*	163.	190.	AG	2355.	8.1	.0	56.0		
57. SB MLKTRBAL	*	2089.0	1397.0	2030.0	1159.0	*	245.	194.	AG	2225.	8.1	.0	56.0		
58. SB MLKTRQBA	*	2045.0	1220.0	2281.1	2173.5	*	982.	14.	AG	164.	100.0	.0	36.0	1.08	49.9
59. SB MLKLBAL	*	2089.0	1397.0	2096.0	1330.0	*	67.	174.	AG	130.	8.1	.0	32.0		
60. SB MLKLBAL	*	2096.0	1330.0	2052.0	1157.0	*	179.	194.	AG	130.	8.1	.0	32.0		
61. SB MLKLBAL	*	2068.0	1221.0	2313.2	2164.0	*	974.	15.	AG	47.	100.0	.0	12.0	2.89	49.5
62. SB MLK D BAL	*	2030.0	1159.0	1956.0	881.0	*	288.	195.	AG	2350.	8.1	.0	56.0		
63. SB MLK D BAL	*	1956.0	881.0	1942.0	661.0	*	220.	184.	AG	2350.	8.1	.0	56.0		
64. SB MLK D BAL	*	1942.0	661.0	1970.0	406.0	*	257.	174.	AG	2350.	8.1	.0	56.0		
65. SB MLK D BAL	*	1970.0	406.0	2079.0	127.0	*	300.	159.	AG	2350.	8.1	.0	56.0		

66.	EB	BALT	*	1066.0	1093.0	2024.0	1153.0	*	960.	86.	AG	610.	8.1	.0	44.0		
67.	EB	BALT	*	1968.0	1149.0	1809.8	1139.8	*	158.	267.	AG	148.	100.0	.0	24.0	.67	8.0
68.	EB	BALT D	*	2030.0	1159.0	3081.0	1213.0	*	1052.	87.	AG	720.	8.1	.0	44.0		
69.	WB	BALT	*	2000.0	1170.0	1055.0	1113.0	*	947.	267.	AG	170.	8.1	.0	32.0		
70.	WB	FAY	*	2969.0	1609.0	2152.0	1562.0	*	818.	267.	AG	1485.	8.1	.0	68.0		
71.	WB	FAY	*	2225.0	1566.0	2420.6	1577.3	*	196.	87.	AG	287.	100.0	.0	48.0	.82	10.0
72.	WB	FAY	*	2152.0	1562.0	1122.0	1513.0	*	1031.	267.	AG	665.	8.1	.0	68.0		
73.	EB	SAR	*	1281.0	2430.0	2095.0	2471.0	*	815.	87.	AG	95.	8.1	.0	32.0		
74.	EB	SAR	*	2022.0	2467.0	1970.1	2464.5	*	52.	267.	AG	78.	100.0	.0	12.0	.25	2.6
75.	EB	SAR D	*	2095.0	2471.0	3028.0	2519.0	*	934.	87.	AG	135.	8.1	.0	32.0		
76.	WB	SAR	*	3038.0	2535.0	2143.0	2498.0	*	896.	268.	AG	340.	8.1	.0	44.0		
77.	WB	SAR	*	2183.0	2500.0	2275.9	2503.8	*	93.	88.	AG	156.	100.0	.0	24.0	.46	4.7
78.	WB	SAR D	*	2143.0	2498.0	1273.0	2442.0	*	872.	266.	AG	190.	8.1	.0	32.0		
79.	EB	MUL	*	1074.0	2750.0	1751.0	2780.0	*	678.	87.	AG	1595.	8.1	.0	44.0		
80.	EB	MUL	*	1751.0	2780.0	2089.0	2793.0	*	338.	88.	AG	1595.	8.1	.0	68.0		
81.	EB	MUL	*	1989.0	2789.0	1797.6	2782.2	*	192.	268.	AG	274.	100.0	.0	48.0	.69	9.7
82.	EB	MUL	*	2089.0	2793.0	3078.0	2844.0	*	990.	87.	AG	1425.	8.1	.0	44.0		
83.	EB	US40	*	1075.0	2846.0	2358.0	2897.0	*	1284.	88.	BR	1390.	8.1	15.0	56.0		
84.	EB	US40	*	2358.0	2897.0	2794.0	2848.0	*	439.	96.	BR	1390.	8.1	15.0	56.0		
85.	EB	US40	*	2794.0	2848.0	3075.0	2858.0	*	281.	88.	AG	1390.	8.1	.0	56.0		
86.	WB	US40	*	2979.0	3201.0	2659.0	3162.0	*	322.	263.	AG	1655.	8.1	.0	56.0		
87.	WB	US40	*	2659.0	3162.0	2329.0	3087.0	*	338.	257.	BR	1655.	8.1	15.0	68.0		
88.	WB	US40	*	2329.0	3087.0	1320.0	3038.0	*	1010.	267.	BR	1655.	8.1	15.0	68.0		
89.	WB	US40	*	1320.0	3038.0	1073.0	3002.0	*	250.	262.	BR	1655.	8.1	15.0	68.0		
90.	WB	FRANK	*	2987.0	3218.0	2139.0	3169.0	*	849.	267.	AG	1610.	8.1	.0	56.0		
91.	WB	FRANK	*	2183.0	3171.0	2434.3	3185.8	*	252.	87.	AG	194.	100.0	.0	36.0	.83	12.8
92.	WB	FRANK	*	2139.0	3169.0	1105.0	3123.0	*	1035.	267.	AG	2105.	8.1	.0	56.0		

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 PM RUN: Site 5-6 BD 2021 PM
DATE: 09/19/2012 TIME: 12:17:09.02

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. NB	MLK TRQ	150	70	3.0	2555	1492	43.60	1	3
8. NB	MLK LQ	150	60	3.0	105	85	43.60	1	3
11. NB	MLK LTQ FA	150	58	3.0	2385	1211	43.60	1	3
16. NB	MLK TRQ SA	150	65	3.0	2555	1598	43.60	1	3
19. NB	MLK LQ SAR	150	56	3.0	40	89	43.60	1	3
21. NB	MLK TRQ MU	150	77	3.0	2540	1757	43.60	1	3
24. NB	MLK TQ FRA	150	67	3.0	2515	1784	43.60	1	3
27. NB	MLK LQ FRA	150	116	3.0	380	1863	43.60	1	3
36. SB	MLKTQFRA	150	101	3.0	1520	1582	43.60	1	3
40. SB	MLKRQFRA	150	101	3.0	460	1269	43.60	1	3
43. SB	MLKTRMUL	150	62	3.0	1785	1695	43.60	1	3
46. SB	MLK LQ MUL	150	62	3.0	65	103	43.60	1	3
49. SB	MLKTRSA	150	65	3.0	1730	1505	43.60	1	3
52. SB	MLKLQSA	150	56	3.0	35	84	43.60	1	3
55. SB	MLKFAY	150	42	3.0	3310	1416	43.60	1	3
58. SB	MLKTRQBA	150	70	3.0	2225	1369	43.60	1	3
61. SB	MLKLBAL	150	60	3.0	130	81	43.60	1	3
67. EB	BALT	150	95	3.0	610	1360	43.60	1	3
71. WB	FAY	150	92	3.0	1485	1288	43.60	1	3
74. EB	SAR	150	100	3.0	95	1279	43.60	1	3
77. WB	SAR	150	100	3.0	340	1237	43.60	1	3
81. EB	MUL	150	88	3.0	1595	1517	43.60	1	3
91. WB	FRANK	150	83	3.0	1610	1559	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. S6 R1 SE MID	2067.0	801.0	5.0
2. S6 R2 SE COR RED	2092.0	968.0	5.0
3. S6 R3 82 SE	2112.0	1043.0	5.0
4. S6 R4 SE COR	2139.0	1143.0	5.0
5. S6 R5 82 ES	2237.0	1146.0	5.0
6. S6 R6 164 ES	2320.0	1149.0	5.0
7. S6 R7 MID ES	2537.0	1157.0	5.0
8. S6 R8 MID EN	2537.0	1229.0	5.0
9. S6 R9 164 EN	2326.0	1213.0	5.0
10. S6 R10 82 EN	2236.0	1208.0	5.0
11. S6 R11 NE COR	2145.0	1207.0	5.0
12. S6 R12 82 NE	2164.0	1292.0	5.0
13. S6 R13 164 NE	2179.0	1375.0	5.0
14. S6 R14 SE COR FAY	2210.0	1529.0	5.0
15. S6 R15 NE COR FAY	2220.0	1608.0	5.0
16. S6 R16 NW COR FAY	2073.0	1601.0	5.0
17. S6 R17 164 NW	2054.0	1380.0	5.0
18. S6 R18 82 NW	2037.0	1298.0	5.0
19. S6 R19 NW COR	2002.0	1197.0	5.0
20. S6 R20 82 WN	1909.0	1187.0	5.0
21. S6 R21 164 WN	1828.0	1179.0	5.0
22. S6 R22 MID WN	1592.0	1167.0	5.0

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 PM RUN: Site 5-6 BD 2021 PM
DATE: 09/19/2012 TIME: 12:17:09.02

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
23. S6 R23 MID WS	1585.0	1108.0	5.0
24. S6 R24 164 WS	1789.0	1120.0	5.0
25. S6 R25 82 WS	1873.0	1126.0	5.0
26. S6 R26 SW COR	1972.0	1122.0	5.0
27. S6 R27 82 SW	1958.0	1026.0	5.0
28. S6 R28 164 SW	1939.0	947.0	5.0
29. S6 R29 MID SW	1911.0	798.0	5.0
30. S5 R1 SE COR SARAT	2183.0	2444.0	5.0
31. S5 R2 164 SE	2159.0	2584.0	5.0
32. S5 R3 82 SE	2153.0	2664.0	5.0
33. S5 R4 SE COR	2154.0	2762.0	5.0
34. S5 R5 82 ES	2245.0	2772.0	5.0
35. S5 R5 164 ES	2328.0	2775.0	5.0
36. S5 R6 MID ES	2556.0	2786.0	5.0
37. S5 R7 NE COR FRAN	2174.0	3214.0	5.0
38. S5 R8 NW COR FRAN	1959.0	3226.0	5.0
39. S5 R8 NE COR MUL	2152.0	2825.0	5.0
40. S5 R8 NW COR MUL	2002.0	2830.0	5.0
41. S5 R9 MID WS	1592.0	2741.0	5.0
42. S5 R10 164 WS	1837.0	2752.0	5.0
43. S5 R11 82 WS	1909.0	2754.0	5.0
44. S5 R12 SW COR	2011.0	2750.0	5.0
45. S5 R13 82 SW	2025.0	2662.0	5.0
46. S5 R14 164 SW	2032.0	2580.0	5.0
47. S5 R15 SW COR SARAT	2038.0	2437.0	5.0
48. S5 R16 NE COR SARAT	2177.0	2531.0	5.0
49. S5 R17 NW COR SARAT	2026.0	2518.0	5.0

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 PM RUN: Site 5-6 BD 2021 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	1.7	2.5	2.2	2.3	1.2	.7	.3	.1	.4	1.1	2.3	2.7	2.5	2.2	1.7	1.0	1.1	.9	.6	.1
5.	1.7	2.3	2.3	2.0	1.0	.4	.3	.1	.2	.9	2.1	2.6	2.4	2.2	1.4	1.7	1.6	1.5	.9	.3
10.	1.3	1.9	2.1	1.9	.5	.4	.3	.1	.2	.4	2.0	2.1	2.0	1.5	.9	1.7	1.8	1.9	1.4	.5
15.	.7	1.5	1.3	1.3	.4	.4	.3	.1	.2	.2	1.5	1.4	1.4	1.0	.4	2.0	2.2	2.2	1.7	.5
20.	.4	1.1	1.1	.9	.4	.3	.3	.1	.2	.2	.8	.9	1.0	1.0	.2	2.0	2.4	2.5	1.8	.7
25.	.2	.8	.6	.7	.4	.3	.3	.1	.1	.2	.7	.8	.7	.9	.1	2.0	2.5	2.4	1.8	.7
30.	.1	.5	.6	.5	.3	.3	.3	.1	.1	.2	.6	.6	.6	.9	.0	2.0	2.4	2.7	2.0	.7
35.	.0	.4	.3	.4	.3	.3	.3	.1	.1	.1	.3	.4	.5	1.0	.0	1.9	2.3	2.5	2.0	.7
40.	.0	.3	.3	.3	.3	.3	.2	.1	.1	.1	.3	.3	.4	1.1	.0	2.0	2.3	2.3	1.7	.9
45.	.0	.2	.3	.3	.3	.3	.2	.1	.1	.1	.2	.3	.4	1.1	.0	1.8	2.3	2.3	1.7	.9
50.	.0	.2	.2	.4	.3	.3	.2	.0	.1	.1	.2	.3	.4	1.2	.0	1.7	2.2	2.3	1.6	1.0
55.	.0	.2	.2	.4	.3	.3	.2	.0	.1	.1	.2	.1	.3	1.3	.0	1.6	2.2	2.1	1.6	.9
60.	.0	.2	.2	.3	.3	.3	.2	.0	.0	.1	.2	.1	.3	1.3	.0	1.5	2.0	2.1	1.3	.8
65.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.1	.2	1.3	.1	1.5	2.1	2.0	1.2	.6
70.	.0	.2	.1	.3	.3	.3	.3	.0	.0	.0	.0	.1	.2	1.4	.2	1.6	2.0	1.8	.9	.4
75.	.0	.0	.1	.3	.3	.3	.3	.0	.1	.1	.0	.0	.1	1.4	.3	1.7	2.0	1.8	1.0	.5
80.	.0	.0	.1	.3	.3	.3	.3	.1	.1	.1	.1	.0	.1	1.1	.4	1.8	1.8	1.6	.9	.5
85.	.0	.0	.0	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	1.0	.6	1.8	1.8	1.5	.9	.6
90.	.0	.0	.0	.3	.2	.2	.2	.1	.2	.2	.1	.0	.0	.8	.8	2.1	1.8	1.6	1.0	.6
95.	.0	.0	.0	.2	.2	.2	.1	.1	.2	.2	.2	.1	.0	.5	1.0	2.1	1.8	1.7	1.0	.7
100.	.0	.0	.0	.2	.1	.1	.1	.2	.2	.2	.2	.1	.0	.3	1.2	2.1	1.8	1.6	1.0	.6
105.	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.2	.1	.0	.2	1.3	1.9	1.8	1.6	1.0	.8
110.	.0	.0	.0	.1	.1	.0	.0	.2	.2	.2	.2	.1	.1	.1	1.3	1.8	1.8	1.6	1.0	.9
115.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.1	1.2	1.8	1.8	1.6	1.1	.8
120.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.2	1.5	1.7	1.6	1.1	.9
125.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.2	1.7	1.7	1.5	1.0	1.0
130.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.2	1.6	1.6	1.6	1.1	.9
135.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.2	1.5	1.7	1.7	1.2	.9
140.	.0	.1	.1	.0	.0	.0	.0	.1	.2	.2	.2	.2	.1	.0	1.1	1.6	1.6	1.6	1.1	1.0
145.	.0	.1	.1	.1	.0	.0	.0	.1	.2	.2	.2	.2	.1	.0	1.0	1.5	1.5	1.6	1.3	1.1
150.	.0	.1	.1	.1	.0	.0	.0	.1	.2	.2	.1	.2	.1	.0	.9	1.5	1.6	1.8	1.4	1.1
155.	.0	.1	.1	.1	.0	.0	.0	.1	.2	.2	.1	.2	.1	.0	.9	1.7	1.7	1.7	1.3	1.0
160.	.0	.1	.1	.1	.0	.0	.0	.1	.2	.2	.2	.2	.1	.0	.8	1.7	1.8	1.8	1.3	1.0
165.	.2	.1	.1	.1	.0	.0	.0	.1	.2	.2	.3	.2	.1	.1	.8	1.6	1.9	2.0	1.6	1.1
170.	.2	.1	.1	.1	.0	.0	.0	.1	.2	.2	.3	.2	.4	.1	.8	1.4	1.9	1.9	1.5	1.1
175.	.4	.4	.4	.3	.0	.0	.0	.1	.2	.2	.5	.4	.5	.2	.8	1.4	1.8	1.9	1.6	.9
180.	.5	.7	.6	.3	.0	.0	.0	.1	.2	.2	.6	.5	.8	.5	1.0	1.6	1.8	1.9	1.6	.7
185.	.7	1.0	.8	.7	.0	.0	.0	.1	.2	.2	1.0	.7	1.0	.8	1.3	1.1	1.7	1.8	1.2	.6
190.	.8	1.2	1.0	1.0	.0	.0	.0	.1	.2	.2	1.3	1.1	1.4	1.1	1.5	.9	1.4	1.5	1.1	.4
195.	1.0	1.3	1.5	1.4	.1	.0	.0	.1	.2	.4	1.7	1.4	1.4	1.4	1.8	.5	1.1	1.2	.6	.4
200.	.9	1.6	1.8	1.7	.2	.0	.0	.1	.2	.5	1.8	1.5	1.7	1.6	2.1	.4	.7	.7	.6	.4
205.	.9	1.7	1.7	1.8	.5	.1	.0	.1	.2	.7	1.9	1.6	1.8	1.8	2.0	.1	.6	.6	.4	.4

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 PM RUN: Site 5-6 BD 2021 PM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.0	1.7	1.9	1.8	.4	.1	.0	.1	.5	.9	1.8	1.7	2.0	2.0	2.0	.2	.5	.5	.3	.4
215.	1.1	1.8	1.9	1.8	.6	.2	.0	.1	.5	1.0	1.9	1.4	2.0	1.9	1.9	.2	.2	.5	.3	.4
220.	1.0	1.7	1.9	1.8	.7	.4	.0	.2	.6	.9	1.6	1.3	1.8	1.7	1.8	.2	.2	.3	.3	.5
225.	1.0	1.9	1.9	1.7	.6	.4	.0	.2	.7	.8	1.5	1.2	2.0	1.7	1.9	.2	.2	.3	.3	.5
230.	1.0	1.9	1.9	1.6	.7	.4	.0	.3	.6	.9	1.5	1.2	2.0	1.7	1.9	.2	.1	.3	.3	.6
235.	.9	1.7	1.7	1.5	.6	.5	.0	.4	.6	.9	1.3	1.2	2.0	1.7	1.8	.2	.1	.3	.5	.6
240.	.9	1.8	1.8	1.3	.7	.5	.2	.5	.6	.9	1.1	1.4	1.9	1.6	1.8	.2	.1	.3	.6	.5
245.	.9	1.8	1.8	1.4	.7	.5	.3	.5	.6	.7	1.3	1.3	1.8	1.4	1.6	.2	.0	.2	.6	.5
250.	1.0	1.7	1.6	1.2	.8	.5	.4	.5	.6	.8	1.3	1.3	1.7	1.4	1.7	.2	.0	.2	.5	.5
255.	.9	1.5	1.6	1.3	.8	.5	.4	.5	.7	.7	1.3	1.2	1.7	1.5	1.8	.2	.0	.0	.4	.4
260.	.9	1.6	1.6	1.2	.6	.5	.4	.3	.6	.8	1.3	1.1	1.7	1.4	1.7	.2	.0	.0	.3	.3
265.	1.0	1.6	1.6	1.4	.8	.6	.5	.4	.5	.8	1.0	1.1	1.6	1.4	1.7	.2	.0	.0	.2	.2
270.	1.0	1.6	1.6	1.3	1.0	.8	.3	.3	.3	.7	1.2	1.1	1.8	1.6	1.7	.1	.0	.0	.2	.1
275.	1.0	1.6	1.7	1.3	.9	.7	.5	.4	.4	.5	1.0	1.1	1.8	1.5	1.7	.1	.0	.0	.1	.1
280.	.9	1.6	1.8	1.2	.9	.6	.5	.3	.4	.5	1.0	1.1	1.8	1.5	1.6	.1	.0	.0	.0	.0
285.	.8	1.7	1.9	1.3	.6	.7	.6	.4	.4	.6	1.0	1.2	1.9	1.6	1.5	.0	.1	.0	.0	.0
290.	.8	1.7	1.8	1.1	.8	.6	.6	.3	.4	.6	1.1	1.2	1.8	1.4	1.5	.0	.1	.0	.0	.0
295.	.9	1.7	1.8	1.0	.9	.6	.7	.3	.4	.6	1.1	1.4	1.8	1.7	1.5	.0	.1	.0	.0	.0
300.	1.0	1.8	1.8	1.1	.8	.5	.5	.3	.5	.6	1.1	1.4	1.8	1.6	1.5	.0	.1	.0	.0	.0
305.	.9	1.8	1.7	1.1	.7	.5	.5	.4	.6	.6	1.1	1.5	1.8	1.8	1.5	.0	.1	.0	.0	.0
310.	.9	1.7	1.7	1.1	.7	.7	.5	.4	.6	.5	1.1	1.6	1.9	1.8	1.5	.0	.1	.0	.0	.0
315.	1.1	1.7	1.6	1.3	.6	.8	.5	.5	.4	.7	1.2	1.7	2.0	1.7	1.6	.0	.1	.1	.0	.0
320.	1.1	1.9	1.5	1.3	.7	.8	.6	.5	.5	.7	1.3	1.8	2.0	1.7	1.6	.0	.1	.1	.0	.0
325.	1.2	1.9	1.5	1.4	.9	.8	.6	.7	.5	.9	1.3	1.9	2.1	2.1	1.7	.0	.1	.1	.0	.0
330.	1.1	1.8	1.7	1.4	.9	.7	.9	.8	.5	1.0	1.3	1.9	2.3	2.1	2.0	.0	.1	.1	.0	.0
335.	1.3	1.8	1.8	1.3	.9	.8	1.0	.7	.8	.9	1.5	2.1	2.4	2.2	2.0	.0	.1	.1	.0	.0
340.	1.2	2.0	1.9	1.6	1.0	1.0	.8	.6	1.0	1.1	1.7	2.3	2.4	2.4	2.2	.0	.1	.1	.0	.0
345.	1.5	1.9	1.8	1.8	1.3	1.1	.6	.4	.9	1.2	2.0	2.5	2.8	2.6	2.3	.2	.1	.1	.0	.0
350.	1.6	2.0	2.3	2.1	1.1	1.1	.4	.2	.9	1.1	2.1	2.8	2.9	2.7	2.3	.4	.5	.4	.0	.0
355.	1.4	2.6	2.5	2.1	1.1	1.0	.3	.1	.8	1.1	2.3	2.8	2.9	2.5	2.0	.7	.7	.8	.4	.0
360.	1.7	2.5	2.2	2.3	1.2	.7	.3	.1	.4	1.1	2.3	2.7	2.5	2.2	1.7	1.0	1.1	.9	.6	.1
MAX	1.7	2.6	2.5	2.3	1.3	1.1	1.0	.8	1.0	1.2	2.3	2.8	2.9	2.7	2.3	2.1	2.5	2.7	2.0	1.1
DEGR.	0	355	355	0	345	345	335	330	340	345	0	350	350	350	345	90	25	30	30	145

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 PM RUN: Site 5-6 BD 2021 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	.0	.0	.2	.2	.7	.9	.6	.5	.2	1.5	2.1	2.3	2.2	1.0	.7	.7	1.3	.0	2.1	1.1
5.	.1	.0	.2	.2	.8	.9	1.0	.9	.7	1.1	1.8	1.9	2.1	.9	.7	.7	1.3	.2	2.1	1.5
10.	.3	.0	.2	.3	1.2	1.1	1.1	1.0	1.1	.7	1.3	1.9	1.8	.7	.8	.7	1.0	.4	1.6	1.7
15.	.4	.0	.2	.5	1.2	1.3	1.3	1.3	1.2	.6	.8	1.4	1.5	.6	.7	.6	.6	.5	1.3	2.1
20.	.5	.1	.3	.8	1.2	1.5	1.4	1.4	1.2	.4	.7	.9	1.2	.7	.6	.6	.5	.7	1.1	2.1
25.	.6	.2	.4	.8	1.4	1.6	1.4	1.3	1.5	.4	.5	.7	1.0	.7	.6	.7	.5	.9	1.0	2.1
30.	.4	.2	.4	.6	1.4	1.6	1.5	1.4	1.4	.4	.4	.7	.9	.7	.7	.8	.2	1.2	.8	2.2
35.	.4	.4	.6	.6	1.4	1.5	1.5	1.3	1.4	.4	.4	.7	.8	.7	.7	.8	.0	1.5	.8	2.2
40.	.5	.2	.4	.9	1.6	1.6	1.4	1.4	1.4	.5	.4	.6	.8	.8	.7	.8	.0	1.5	.7	2.3
45.	.9	.2	.4	1.0	1.7	1.3	1.3	1.5	1.3	.4	.3	.5	.8	.8	.6	.6	.0	1.5	.6	2.1
50.	.8	.2	.4	1.1	1.6	1.3	1.2	1.3	1.3	.4	.3	.6	.8	.6	.6	.6	.0	1.6	.6	2.2
55.	.6	.1	.3	1.2	1.5	1.2	1.3	1.4	1.2	.4	.3	.5	.8	.7	.5	.6	.0	1.6	.6	2.3
60.	.7	.1	.5	1.3	1.3	1.1	1.2	1.3	1.1	.3	.2	.4	.7	.6	.6	.7	.0	1.4	.5	2.0
65.	.7	.3	.5	1.1	1.2	.9	1.2	1.3	1.1	.2	.1	.4	.7	.6	.6	.8	.0	1.3	.6	1.9
70.	.4	.2	.5	1.1	1.3	1.1	1.3	1.3	1.0	.2	.1	.3	.7	.6	.6	.7	.1	1.4	.5	1.9
75.	.4	.2	.5	1.3	1.2	1.1	1.3	1.2	1.0	.1	.1	.3	.7	.6	.6	.7	.2	1.5	.5	1.9
80.	.4	.2	.5	1.2	1.1	1.2	1.2	1.2	1.0	.1	.0	.2	.6	.6	.6	.6	.3	1.5	.6	1.9
85.	.6	.3	.6	1.1	1.2	1.1	1.1	1.1	.9	.1	.0	.2	.6	.5	.5	.6	.5	1.5	.8	1.8
90.	.8	.4	.6	.9	1.1	1.0	1.1	1.1	.8	.0	.0	.1	.4	.5	.4	.4	.8	1.6	.8	2.0
95.	.9	.5	.6	.8	1.0	1.1	1.1	1.2	.8	.0	.0	.1	.3	.3	.2	.2	.9	1.7	.8	2.0
100.	.9	.6	.5	.5	.7	1.1	1.2	1.2	.8	.0	.0	.1	.2	.2	.2	.1	1.0	1.7	.7	1.6
105.	.9	.7	.4	.6	.8	1.0	1.2	1.2	.8	.0	.1	.1	.2	.1	.1	.1	1.1	1.7	.7	1.7
110.	.8	.6	.4	.6	.7	1.0	1.2	1.2	.8	.0	.1	.1	.1	.1	.1	.0	1.1	1.6	.6	1.5
115.	1.1	.6	.4	.5	.7	1.1	1.1	1.1	.8	.0	.3	.2	.1	.0	.0	.0	1.1	1.7	.6	1.6
120.	1.1	.6	.2	.4	.6	1.1	1.1	1.1	.9	.0	.3	.2	.1	.0	.0	.0	1.2	1.6	.6	1.5
125.	1.1	.4	.2	.4	.6	1.1	1.1	1.0	.9	.0	.2	.2	.1	.0	.0	.0	1.3	1.5	.6	1.6
130.	1.0	.4	.2	.3	.6	1.1	1.1	.9	1.1	.0	.2	.2	.1	.0	.0	.0	1.3	1.4	.6	1.6
135.	.9	.4	.2	.4	.6	1.1	1.2	1.1	1.0	.0	.3	.2	.1	.0	.0	.0	1.3	1.7	.6	1.6
140.	.8	.2	.1	.5	.5	1.1	1.2	1.0	1.1	.0	.3	.3	.1	.0	.0	.0	1.1	1.7	.6	1.7
145.	.9	.2	.0	.3	.5	1.1	1.2	1.1	1.3	.0	.3	.3	.1	.0	.0	.0	1.1	1.7	.6	1.8
150.	.9	.1	.0	.4	.6	1.1	1.2	1.3	1.2	.0	.5	.6	.3	.0	.0	.0	1.0	1.7	.7	2.1
155.	.8	.1	.0	.3	.6	1.2	1.2	1.3	1.4	.1	.6	.6	.5	.0	.0	.0	1.0	1.7	.8	2.1
160.	.8	.1	.0	.4	.5	1.2	1.4	1.4	1.3	.5	1.0	1.1	.6	.0	.0	.0	1.1	1.8	.9	2.2
165.	.9	.1	.0	.2	.5	1.4	1.4	1.5	1.2	.7	1.5	1.7	1.3	.0	.0	.0	1.2	1.7	1.2	2.1
170.	.6	.1	.0	.2	.5	1.4	1.6	1.5	1.0	1.3	1.9	2.0	1.8	.1	.0	.0	1.5	1.4	2.1	2.0
175.	.5	.1	.0	.0	.2	1.1	1.6	1.4	.9	1.8	2.8	2.6	2.2	.5	.0	.0	2.0	1.5	2.4	1.7
180.	.4	.1	.0	.0	.2	1.1	1.1	1.1	.6	2.2	3.1	3.1	2.4	.7	.2	.0	2.0	1.2	2.8	1.2

185.	*	.4	.1	.0	.0	.1	.8	1.0	.9	.4	2.4	3.3	3.2	2.8	.9	.5	.0	2.4	.7	3.2	1.0
190.	*	.3	.1	.0	.0	.0	.6	.7	.7	.2	2.7	3.3	3.2	2.8	1.0	.6	.1	2.7	.7	3.0	.8
195.	*	.3	.1	.0	.0	.0	.3	.5	.5	.2	2.8	2.9	3.1	2.6	1.1	.7	.1	2.9	.7	2.7	.6
200.	*	.3	.1	.0	.0	.0	.2	.3	.3	.0	2.5	2.9	2.9	2.5	1.1	.9	.2	2.9	.6	2.5	.7
205.	*	.3	.1	.0	.0	.0	.1	.2	.2	.0	2.3	2.6	2.7	2.5	1.0	.9	.4	2.7	.6	2.5	.9

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 PM RUN: Site 5-6 BD 2021 PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210.	*	.2	.1	.0	.0	.0	.0	.1	.2	.0	2.3	2.5	2.6	2.4	.8	.8	.5	2.8	.6	2.5	.9
215.	*	.3	.1	.0	.0	.0	.0	.1	.1	.0	2.2	2.5	2.4	2.2	1.0	.6	.5	2.7	.8	2.3	1.0
220.	*	.3	.2	.0	.0	.0	.0	.0	.0	.0	2.1	2.0	2.4	2.0	.9	.6	.5	2.5	.8	2.4	1.0
225.	*	.4	.2	.0	.0	.0	.0	.0	.0	.0	2.0	2.1	2.1	2.0	.8	.7	.3	2.4	.8	2.2	1.1
230.	*	.3	.3	.0	.0	.0	.0	.0	.0	.0	2.0	2.1	2.1	1.9	.8	.7	.3	1.9	.8	2.2	1.1
235.	*	.3	.3	.1	.0	.1	.0	.0	.0	.0	1.8	2.1	2.2	1.9	.8	.6	.4	2.0	.8	2.2	1.2
240.	*	.3	.3	.1	.1	.1	.0	.0	.0	.0	1.8	1.8	2.0	1.7	1.0	.6	.4	2.0	.7	2.3	1.3
245.	*	.3	.3	.1	.1	.1	.0	.0	.0	.0	1.7	1.7	1.9	1.5	.9	.6	.2	2.0	.6	2.2	1.4
250.	*	.3	.3	.1	.1	.2	.1	.0	.0	.0	1.6	1.7	1.9	1.7	1.0	.7	.3	2.0	.5	2.4	1.3
255.	*	.3	.2	.2	.2	.3	.2	.0	.0	.0	1.7	1.8	1.9	1.6	1.0	.9	.3	2.0	.5	2.4	1.2
260.	*	.3	.2	.2	.2	.3	.2	.0	.0	.0	1.7	1.9	2.0	1.8	1.1	1.0	.4	1.6	.5	2.5	1.1
265.	*	.2	.2	.3	.3	.5	.4	.0	.0	.0	1.6	1.9	2.0	2.0	1.4	1.1	.7	1.7	.3	2.5	1.0
270.	*	.2	.1	.3	.3	.6	.4	.0	.0	.0	1.5	2.0	2.1	2.0	1.6	1.1	.9	1.7	.2	2.6	.9
275.	*	.1	.1	.3	.3	.7	.5	.0	.0	.0	1.5	2.1	2.3	2.0	1.7	1.3	.8	1.7	.1	2.6	.8
280.	*	.0	.0	.3	.3	.7	.6	.1	.0	.0	1.5	1.9	2.3	2.0	1.8	1.3	1.1	1.5	.1	2.4	.6
285.	*	.0	.0	.3	.3	.8	.6	.1	.0	.0	1.5	2.1	2.4	2.2	1.8	1.7	1.0	1.4	.0	2.5	.7
290.	*	.0	.0	.3	.3	.8	.6	.1	.0	.0	1.6	2.3	2.4	2.4	1.8	1.5	1.1	1.3	.0	2.4	.6
295.	*	.0	.0	.3	.3	.8	.6	.1	.0	.0	1.5	2.5	2.7	2.4	1.6	1.4	1.1	1.3	.0	2.4	.5
300.	*	.0	.0	.2	.2	.7	.6	.2	.0	.0	2.0	2.6	2.7	2.7	1.7	1.4	1.0	1.3	.0	2.3	.5
305.	*	.0	.0	.2	.2	.7	.6	.2	.0	.0	1.9	2.7	2.8	2.4	1.7	1.4	.9	1.5	.0	2.3	.4
310.	*	.0	.0	.2	.2	.7	.6	.2	.0	.0	2.1	2.8	2.8	2.5	1.7	1.4	.9	1.5	.0	2.3	.4
315.	*	.0	.0	.2	.2	.7	.6	.2	.0	.0	2.1	2.8	2.9	2.5	1.6	1.1	.8	1.5	.0	2.4	.4
320.	*	.0	.0	.2	.2	.7	.6	.2	.0	.0	2.2	2.8	2.8	2.7	1.6	1.1	1.0	1.5	.0	2.5	.4
325.	*	.0	.0	.2	.2	.7	.6	.2	.1	.0	2.4	2.9	2.9	2.7	1.6	1.1	.9	1.5	.0	2.5	.4
330.	*	.0	.0	.2	.2	.7	.5	.2	.1	.0	2.4	3.2	2.9	2.8	1.3	1.0	.9	1.5	.0	2.6	.4
335.	*	.0	.0	.2	.2	.7	.4	.2	.1	.0	2.5	3.2	3.1	2.9	1.1	.9	.9	1.5	.0	2.6	.4
340.	*	.0	.0	.2	.2	.7	.4	.2	.1	.0	2.6	3.0	3.3	3.0	1.1	.8	.9	1.5	.0	2.8	.5
345.	*	.0	.0	.2	.2	.7	.4	.2	.2	.0	2.4	3.3	3.1	3.1	1.0	.8	.8	1.6	.0	2.7	.6
350.	*	.0	.0	.2	.2	.7	.4	.2	.2	.1	2.2	3.1	3.1	2.6	1.1	.8	.7	1.7	.0	2.7	.8
355.	*	.0	.0	.2	.2	.7	.4	.3	.2	.2	1.9	2.7	2.5	2.6	1.1	.8	.7	1.7	.0	2.5	.9
360.	*	.0	.0	.2	.2	.7	.9	.6	.5	.2	1.5	2.1	2.3	2.2	1.0	.7	.7	1.3	.0	2.1	1.1
MAX	*	1.1	.7	.6	1.3	1.7	1.6	1.6	1.5	1.5	2.8	3.3	3.3	3.1	1.8	1.7	1.1	2.9	1.8	3.2	2.3
DEGR.	*	115	105	35	60	45	30	170	45	25	195	185	340	345	280	285	280	195	160	185	40

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 PM RUN: Site 5-6 BD 2021 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
0.	*	.7	1.5	1.6	1.6	1.9	1.9	1.7	1.3	1.6
5.	*	.7	1.6	1.6	1.7	2.0	2.1	1.9	1.0	1.9
10.	*	.7	1.6	1.6	2.2	2.1	2.3	1.8	.4	2.0
15.	*	.7	1.6	1.9	2.0	2.1	2.4	1.8	.4	2.1
20.	*	.8	1.6	2.0	1.9	2.4	2.3	2.0	.2	1.9
25.	*	.8	1.6	2.1	2.1	2.5	2.2	1.5	.2	1.9
30.	*	.8	1.9	2.0	2.2	2.4	2.4	1.6	.2	1.9
35.	*	.8	2.1	2.3	2.2	2.3	2.3	1.5	.1	1.7
40.	*	.8	2.0	2.5	2.2	2.0	2.1	1.4	.2	1.5
45.	*	.8	2.2	2.6	1.9	1.9	1.9	1.4	.2	1.4
50.	*	.8	2.5	2.5	1.9	1.9	1.6	1.4	.2	1.4
55.	*	.7	2.5	2.2	2.0	2.0	1.7	1.4	.2	1.4
60.	*	1.1	2.2	2.2	1.7	1.8	1.7	1.5	.1	1.3
65.	*	1.2	2.4	2.3	1.6	1.8	1.7	1.5	.1	1.3
70.	*	1.0	2.2	2.0	1.9	1.9	1.6	1.5	.1	1.3
75.	*	1.1	2.2	2.1	1.7	1.7	1.5	1.5	.0	1.1
80.	*	1.0	2.0	2.1	1.5	1.6	1.5	1.6	.1	1.2
85.	*	.8	1.6	1.5	1.6	1.7	1.5	1.5	.2	1.3
90.	*	.7	1.3	1.6	1.4	1.6	1.4	1.5	.2	1.1
95.	*	.6	1.2	1.4	1.4	1.5	1.4	1.4	.3	1.2
100.	*	.5	1.0	1.2	1.3	1.5	1.5	1.4	.3	1.2
105.	*	.2	.8	.9	1.3	1.6	1.5	1.4	.4	1.1
110.	*	.2	.8	.8	1.3	1.5	1.5	1.6	.4	1.0
115.	*	.2	.8	.9	1.3	1.5	1.5	1.6	.5	1.1
120.	*	.2	.6	.9	1.4	1.5	1.6	1.6	.5	1.3
125.	*	.2	.6	.9	1.4	1.7	1.6	1.7	.5	1.4
130.	*	.3	.8	.9	1.5	1.9	1.6	1.8	.5	1.3

135.	*	.3	.8	.8	1.7	1.9	1.9	1.8	.5	1.4
140.	*	.3	.7	.8	1.7	1.9	1.7	2.0	.4	1.6
145.	*	.2	.8	1.0	1.8	2.0	1.9	2.1	.4	1.8
150.	*	.1	.7	1.1	2.0	2.2	2.0	2.1	.4	1.9
155.	*	.0	.7	1.0	2.0	2.1	2.1	2.2	.4	1.9
160.	*	.0	.6	.8	2.1	2.1	2.1	2.0	.9	1.8
165.	*	.0	.3	.7	1.8	2.0	1.9	1.9	1.0	1.8
170.	*	.0	.1	.5	1.8	2.0	1.9	1.7	1.5	1.5
175.	*	.0	.0	.1	1.3	1.7	1.4	1.3	1.9	1.2
180.	*	.0	.0	.1	.8	1.2	1.1	.9	2.2	.8
185.	*	.0	.0	.0	.4	.5	.5	.5	2.6	.4
190.	*	.0	.0	.0	.2	.2	.3	.2	2.7	.3
195.	*	.0	.0	.0	.0	.2	.2	.1	2.3	.2
200.	*	.0	.0	.0	.0	.1	.2	.1	2.3	.1
205.	*	.0	.0	.0	.0	.1	.0	.0	2.1	.1

1

JOB: Site 5-6 MLK & Mulberry/Balt BD 2021 PM RUN: Site 5-6 BD 2021 PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
210.	*	.0	.0	.0	.0	.0	.0	.0	2.1	.1
215.	*	.0	.0	.0	.0	.0	.0	.0	2.0	.1
220.	*	.0	.1	.0	.0	.0	.0	.0	2.0	.2
225.	*	.0	.1	.1	.0	.0	.0	.0	1.8	.2
230.	*	.0	.1	.1	.0	.0	.0	.0	1.6	.2
235.	*	.0	.1	.1	.0	.0	.0	.0	1.7	.1
240.	*	.0	.1	.1	.0	.0	.0	.0	1.6	.1
245.	*	.0	.1	.2	.1	.0	.0	.0	1.5	.1
250.	*	.1	.2	.2	.2	.0	.0	.0	1.3	.1
255.	*	.1	.3	.4	.3	.0	.0	.0	1.5	.1
260.	*	.2	.5	.6	.5	.0	.0	.0	1.5	.1
265.	*	.3	.6	.8	.7	.0	.0	.0	1.5	.0
270.	*	.4	.9	1.1	.9	.1	.0	.0	1.5	.0
275.	*	.6	.9	1.3	1.1	.1	.1	.0	1.4	.0
280.	*	.6	1.0	1.5	1.2	.2	.1	.0	1.5	.0
285.	*	.6	1.1	1.7	1.4	.4	.1	.1	1.5	.1
290.	*	.6	1.2	1.6	1.6	.4	.2	.2	1.7	.1
295.	*	.6	1.3	1.9	1.6	.5	.2	.2	1.9	.2
300.	*	.8	1.4	1.8	1.6	.7	.4	.3	2.0	.2
305.	*	.8	1.4	1.8	1.4	.8	.5	.3	2.2	.2
310.	*	.7	1.4	1.7	1.3	.8	.5	.3	2.5	.4
315.	*	.6	1.3	1.6	1.3	.8	.6	.4	2.4	.5
320.	*	.7	1.4	1.6	1.2	.8	.6	.4	2.5	.5
325.	*	.7	1.4	1.5	1.1	.8	.6	.6	2.4	.5
330.	*	.7	1.4	1.5	1.1	.9	.7	.6	2.5	.6
335.	*	.7	1.4	1.5	.9	.8	.7	.6	2.6	.6
340.	*	.7	1.5	1.5	.9	.9	.9	.6	2.5	.5
345.	*	.7	1.5	1.5	1.1	1.1	.9	.7	2.2	.7
350.	*	.7	1.5	1.5	1.3	1.3	1.2	.9	2.0	.9
355.	*	.7	1.5	1.5	1.5	1.4	1.7	1.4	1.7	1.3
360.	*	.7	1.5	1.6	1.6	1.9	1.9	1.7	1.3	1.6
MAX	*	1.2	2.5	2.6	2.2	2.5	2.4	2.2	2.7	2.1
DEGR.	*	65	50	45	10	25	15	155	190	15

THE HIGHEST CONCENTRATION IS 3.30 PPM AT 185 DEGREES FROM REC31.
THE 2ND HIGHEST CONCENTRATION IS 3.30 PPM AT 340 DEGREES FROM REC32.
THE 3RD HIGHEST CONCENTRATION IS 3.20 PPM AT 185 DEGREES FROM REC39.

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Site 5-6 MLK & Mulberry/Balt BD 2035 AM 60.0321.0.0000.000490.30480000    1    1
S6 R1 SE MID              2067.      801.        5.
S6 R2 SE COR RED          2092.      968.        5.
S6 R3 82 SE               2112.     1043.        5.
S6 R4 SE COR              2139.     1143.        5.
S6 R5 82 ES               2237.     1146.        5.
S6 R6 164 ES              2320.     1149.        5.
S6 R7 MID ES              2537.     1157.        5.
S6 R8 MID EN              2537.     1229.        5.
S6 R9 164 EN              2326.     1213.        5.
S6 R10 82 EN              2236.     1208.        5.
S6 R11 NE COR             2145.     1207.        5.
S6 R12 82 NE              2164.     1292.        5.
S6 R13 164 NE             2179.     1375.        5.
S6 R14 SE COR FAY         2210.     1529.        5.
S6 R15 NE COR FAY         2220.     1608.        5.
S6 R16 NW COR FAY         2073.     1601.        5.
S6 R17 164 NW             2054.     1380.        5.
S6 R18 82 NW              2037.     1298.        5.
S6 R19 NW COR             2002.     1197.        5.
S6 R20 82 WN              1909.     1187.        5.
S6 R21 164 WN             1828.     1179.        5.
S6 R22 MID WN             1592.     1167.        5.
S6 R23 MID WS             1585.     1108.        5.
S6 R24 164 WS             1789.     1120.        5.
S6 R25 82 WS              1873.     1126.        5.
S6 R26 SW COR             1972.     1122.        5.
S6 R27 82 SW              1958.     1026.        5.
S6 R28 164 SW             1939.      947.        5.
S6 R29 MID SW             1911.      798.        5.
S5 R1 SE COR SARAT        2183.     2444.        5.
S5 R2 164 SE              2159.     2584.        5.
S5 R3 82 SE               2153.     2664.        5.
S5 R4 SE COR              2154.     2762.        5.
S5 R5 82 ES               2245.     2772.        5.
S5 R5 164 ES              2328.     2775.        5.
S5 R6 MID ES              2556.     2786.        5.
S5 R7 NE COR FRAN         2174.     3214.        5.
S5 R8 NW COR FRAN         1959.     3226.        5.
S5 R8 NE COR MUL          2152.     2825.        5.
S5 R8 NW COR MUL          2002.     2830.        5.
S5 R9  MID WS             1592.     2741.        5.
S5 R10 164 WS             1837.     2752.        5.
S5 R11 82 WS              1909.     2754.        5.
S5 R12 SW COR             2011.     2750.        5.
S5 R13 82 SW              2025.     2662.        5.
S5 R14 164 SW             2032.     2580.        5.
S5 R15 SW COR SARAT       2038.     2437.        5.
S5 R16 NE COR SARAT       2177.     2531.        5.
S5 R17 NW COR SARAT       2026.     2518.        5.
Site 5-6 BD 2035  AM                     92  1   0
  1
NB        MLK AP    AG  2135.   161.  2042.   443.   3290. 7.8  0. 56.   35.
  1
NB        MLK AP    AG  2042.   443.  2012.   664.   3290. 7.8  0. 56.   35.
  1
NB        MLK AP    AG  2012.   664.  2028.   856.   3290. 7.8  0. 56.   35.
  1
NB        MLK TR    AG  2028.   856.  2109.  1174.   3120. 7.8  0. 68.   35.
  2
NB        MLK TRQ   AG  2095.  1119.  2046.   925.      0. 48.   4
       150        66       3.0 3120   42.1 1570 1 3
  1
NB        MLK L     AG  2028.   856.  2017.   903.    170. 7.8  0. 32.   35.
  1
NB        MLK L     AG  2017.   903.  2089.  1173.    170. 7.8  0. 32.   35.
  2
NB        MLK LQ    AG  2074.  1117.  2025.   932.      0. 12.   1
       150        55       3.0  170   42.1   78 1 3
  1
NB        MLK D FAY AG  2109.  1174.  2145.  1344.   2750. 7.8  0. 56.   35.
  1
NB        MLK LTA FAAG  2145.  1344.  2173.  1566.   2750. 7.8  0. 68.   35.
  2
NB        MLK LTQ FAAG  2165.  1509.  2150.  1384.      0. 48.   4
       150        40       3.0 2750   42.1 1253 1 3
  1
NB        MLK D FAY AG  2173.  1566.  2188.  1656.   2905. 7.8  0. 56.   35.
  1
NB        MLK A SAR AG  2188.  1656.  2193.  1941.   2570. 7.8  0. 56.   35.
  1
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NB        MLK A SAR AG  2193.  1941.  2157.  2311.   2570. 7.8  0. 56.   35.
  1
NB        MLK TR SARAG  2157.  2311.  2139.  2484.   2480. 7.8  0. 56.   35.
  2
NB        MLK TRQ SAAG  2146.  2425.  2156.  2329.      0. 36.   3
       150        81       3.0 2480   42.1 1800 1 3
  1
NB        MLK L SAR AG  2157.  2311.  2131.  2365.     90. 7.8  0. 32.   35.
  1
NB        MLK L SAR AG  2131.  2365.  2119.  2484.     90. 7.8  0. 32.   35.
  2
NB        MLK LQ SARAG  2125.  2427.  2130.  2380.      0. 12.   1
       150        72       3.0   90   42.1  107 1 3
  1
NB        MLK A MUL AG  2139.  2484.  2117.  2791.   2215. 7.8  0. 56.   35.
  2
NB        MLK TRQ MUAG  2120.  2746.  2132.  2589.      0. 36.   3
       150        81       3.0 2215   42.1 1800 1 3
  1
NB        MLK A FRA AG  2117.  2791.  2116.  2956.   2665. 7.8  0. 56.   35.
  1
NB        MLK T A FRAG  2116.  2956.  2131.  3176.   2505. 7.8  0. 56.   35.
  2
NB        MLK TQ FRAAG  2128.  3130.  2123.  3053.      0. 36.   3
       150        47       3.0 2505   42.1 1800 1 3
  1
NB        MLK L A FRAG  2116.  2956.  2096.  3008.    160. 7.8  0. 32.   35.
  1
NB        MLK L QFRAAG  2096.  3008.  2105.  3170.    160. 7.8  0. 32.   35.
  2
NB        MLK LQ FRAAG  2103.  3132.  2097.  3039.      0. 12.   1
       150       132       3.0  160   42.1 1486 1 3
  1
NB        MLK D FRA AG  2131.  3176.  2153.  3319.   2510. 7.8  0. 56.   35.
  1
NB        MLK D FRA AG  2153.  3319.  2184.  3423.   2510. 7.8  0. 56.   35.
  1
NB        MLK D FRA AG  2184.  3423.  2254.  3560.   2510. 7.8  0. 56.   35.
  1
NB        MLK D FRA AG  2254.  3560.  2396.  3748.   2510. 7.8  0. 56.   35.
  1
SB        MLKTRAFRA AG  2341.  3759.  2244.  3658.   3325. 7.8  0. 56.   35.
  1
SB        MLKTAFRA  AG  2244.  3658.  2132.  3493.   3020. 7.8  0. 56.   35.
  1
SB        MLKTAFRA  AG  2132.  3493.  2064.  3332.   3020. 7.8  0. 56.   35.
  1
SB        MLKTAFRA  AG  2064.  3332.  2024.  3162.   3020. 7.8  0. 56.   35.
  2
SB        MLKTQFRA  AG  2034.  3206.  2056.  3297.      0. 36.   3
       150        65       3.0 3020   42.1 1700 1 3
  1
SB        MLKRFRA   AG  2244.  3658.  2135.  3562.    305. 7.8  0. 44.   35.
  1
SB        MLKRAFRA  AG  2135.  3562.  2040.  3397.    305. 7.8  0. 44.   35.
  1
SB        MLKRAFRA  AG  2040.  3397.  1976.  3186.    305. 7.8  0. 44.   35.
  2
SB        MLKRQFRA  AG  1985.  3217.  2013.  3310.      0. 24.   2
       150        65       3.0  305   42.1 1148 1 3
  1
SB        MLKDFRA   AG  2024.  3162.  2029.  3027.   3325. 7.8  0. 56.   35.
  1
SB        MLKTRMUL  AG  2029.  3027.  2042.  2797.   3255. 7.8  0. 56.   35.
  2
SB        MLKTRMUL  AG  2040.  2832.  2034.  2933.      0. 36.   3
       150        70       3.0 3255   42.1 1600 1 3
  1
SB        MLKLMUL   AG  2029.  3027.  2054.  2949.     70. 7.8  0. 32.   35.
  1
SB        MLKLMUL   AG  2054.  2949.  2064.  2802.     70. 7.8  0. 32.   35.
  2
SB        MLK LQ MULAG  2061.  2844.  2055.  2939.      0. 12.   1
       150        70       3.0   70   42.1   99 1 3
  1
SB        MLKASAR   AG  2042.  2797.  2055.  2668.   3440. 7.8  0. 56.   35.
  1
SB        MLKTRSAR  AG  2055.  2668.  2072.  2477.   3190. 7.8  0. 56.   35.
  2
SB        MLKTRSA   AG  2067.  2534.  2057.  2649.      0. 36.   3
       150        77       3.0 3190   42.1 1514 1 3
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  1
SB        MLKLASAR  AG  2055.  2668.  2080.  2629.    250. 7.8  0. 32.   35.
  1
SB        MLK LA SARAG  2080.  2629.  2095.  2483.    250. 7.8  0. 32.   35.
  2
SB        MLKLQSA   AG  2090.  2532.  2081.  2619.      0. 12.   1
       150        64       3.0  250   42.1  100 1 3
  1
SB        MLK A FAY AG  2072.  2477.  2125.  1886.   3415. 7.8  0. 56.   35.
  1
SB        MLKAFAY   AG  2125.  1886.  2117.  1558.   3415. 7.8  0. 56.   35.
  2
SB        MLKFAY    AG  2118.  1601.  2121.  1732.      0. 36.   3
       150        40       3.0 3415   42.1 1416 1 3
  1
SB        MLKABAL   AG  2117.  1558.  2089.  1397.   3470. 7.8  0. 56.   35.
  1
SB        MLKTRBAL  AG  2089.  1397.  2030.  1159.   3235. 7.8  0. 56.   35.
  2
SB        MLKTRQBA  AG  2045.  1220.  2071.  1325.      0. 36.   3
       150        60       3.0 3235   42.1 1625 1 3
  1
SB        MLKLBAL   AG  2089.  1397.  2096.  1330.    235. 7.8  0. 32.   35.
  1
SB        MLKLBAL   AG  2096.  1330.  2052.  1157.    235. 7.8  0. 32.   35.
  2
SB        MLKLBAL   AG  2068.  1221.  2094.  1321.      0. 12.   1
       150        45       3.0  235   42.1   74 1 3
  1
SB        MLK D BAL AG  2030.  1159.  1956.   881.   3245. 7.8  0. 56.   35.
  1
SB        MLK D BAL AG  1956.   881.  1942.   661.   3245. 7.8  0. 56.   35.
  1
SB        MLK D BAL AG  1942.   661.  1970.   406.   3245. 7.8  0. 56.   35.
  1
SB        MLK D BAL AG  1970.   406.  2079.   127.   3245. 7.8  0. 56.   35.
  1
EB        BALT      AG  1066.  1093.  2024.  1153.    395. 7.9  0. 44.   30.
  2
EB        BALT      AG  1968.  1149.  1831.  1141.      0. 24.   2
       150       105       3.0  395   42.1 1398 1 3
  1
EB        BALT D    AG  2030.  1159.  3081.  1213.    865. 7.9  0. 44.   30.
  1
WB        BALT      AG  2000.  1170.  1055.  1113.    295. 7.9  0. 32.   30.
  1
WB        FAY       AG  2969.  1609.  2152.  1562.    740. 7.9  0. 68.   30.
  2
WB        FAY       AG  2225.  1566.  2468.  1580.      0. 48.   4
       150       110       3.0  740   42.1 1269 1 3
  1
WB        FAY       AG  2152.  1562.  1122.  1513.    405. 7.9  0. 68.   30.
  1
EB        SAR       AG  1281.  2430.  2095.  2471.    355. 7.9  0. 32.   30.
  2
EB        SAR       AG  2022.  2467.  1857.  2459.      0. 12.   1
       150        88       3.0  355   42.1 1039 1 3
  1
EB        SAR D     AG  2095.  2471.  3028.  2519.    685. 7.9  0. 32.   30.
  1
WB        SAR       AG  3038.  2535.  2143.  2498.    175. 7.9  0. 44.   30.
  2
WB        SAR       AG  2183.  2500.  2479.  2512.      0. 24.   2
       150        88       3.0   95   42.1  998 1 3
  1
WB        SAR D     AG  2143.  2498.  1273.  2442.    230. 7.9  0. 32.   30.
  1
EB        MUL       AG  1074.  2750.  1751.  2780.   2325. 7.9  0. 44.   30.
  1
EB        MUL       AG  1751.  2780.  2089.  2793.   2325. 7.9  0. 68.   30.
  2
EB        MUL       AG  1989.  2789.  1849.  2784.      0. 48.   4
       150        80       3.0 2325   42.1 1364 1 3
  1
EB        MUL       AG  2089.  2793.  3078.  2844.   2105. 7.9  0. 44.   30.
  1
EB        US40      BR  1075.  2846.  2358.  2897.   1335. 7.8 15. 56.   35.
  1
EB        US40      BR  2358.  2897.  2794.  2848.   1335. 7.8 15. 56.   35.
  1
EB        US40      AG  2794.  2848.  3075.  2858.   1335. 7.8  0. 56.   35.
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  1
WB        US40      AG  2979.  3201.  2659.  3162.   1325. 7.8  0. 56.   35.
  1
WB        US40      BR  2659.  3162.  2329.  3087.   1325. 7.8  15  68   35.
  1
WB        US40      BR  2329.  3087.  1320.  3038.   1325. 7.8  15  68   35.
  1
WB        US40      BR  1320.  3038.  1073.  3002.   1325. 7.8  15  68   35.
  1
WB        FRANK     AG  2987.  3218.  2139.  3169.    730. 7.9  0. 56.   30.
  2
WB        FRANK     AG  2183.  3171.  2404.  3184.      0. 36.   3
       150       103       3.0  730   42.1 1391 1 3
  1
WB        FRANK     AG  2139.  3169.  1105.  3123.    885. 7.9  0. 56.   30.
1.0   04  1000   0Y  5  0 72
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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 AM RUN: Site 5-6 BD 2035 AM
DATE: 09/19/2012 TIME: 14:55:27.95

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	MLK AP	*	2135.0	161.0	2042.0	443.0	*	297.	342.	AG	3290.	7.8	.0	56.0		
2. NB	MLK AP	*	2042.0	443.0	2012.0	664.0	*	223.	352.	AG	3290.	7.8	.0	56.0		
3. NB	MLK AP	*	2012.0	664.0	2028.0	856.0	*	193.	5.	AG	3290.	7.8	.0	56.0		
4. NB	MLK TR	*	2028.0	856.0	2109.0	1174.0	*	328.	14.	AG	3120.	7.8	.0	68.0		
5. NB	MLK TRQ	*	2095.0	1119.0	2009.8	781.5	*	348.	194.	AG	199.	100.0	.0	48.0	.94	17.7
6. NB	MLK L	*	2028.0	856.0	2017.0	903.0	*	48.	347.	AG	170.	7.8	.0	32.0		
7. NB	MLK L	*	2017.0	903.0	2089.0	1173.0	*	279.	15.	AG	170.	7.8	.0	32.0		
8. NB	MLK LQ	*	2074.0	1117.0	1716.9	-231.1	*	1395.	195.	AG	41.	100.0	.0	12.0	3.70	70.8
9. NB	MLK D FAY	*	2109.0	1174.0	2145.0	1344.0	*	174.	12.	AG	2750.	7.8	.0	56.0		
10. NB	MLK LTA FA	*	2145.0	1344.0	2173.0	1566.0	*	224.	7.	AG	2750.	7.8	.0	68.0		
11. NB	MLK LTQ FA	*	2165.0	1509.0	2147.1	1359.8	*	150.	187.	AG	120.	100.0	.0	48.0	.78	7.6
12. NB	MLK D FAY	*	2173.0	1566.0	2188.0	1656.0	*	91.	9.	AG	2905.	7.8	.0	56.0		
13. NB	MLK A SAR	*	2188.0	1656.0	2193.0	1941.0	*	285.	1.	AG	2570.	7.8	.0	56.0		
14. NB	MLK A SAR	*	2193.0	1941.0	2157.0	2311.0	*	372.	354.	AG	2570.	7.8	.0	56.0		
15. NB	MLK TR SAR	*	2157.0	2311.0	2139.0	2484.0	*	174.	354.	AG	2480.	7.8	.0	56.0		
16. NB	MLK TRQ SA	*	2146.0	2425.0	2258.0	1349.7	*	1081.	174.	AG	183.	100.0	.0	36.0	1.08	54.9
17. NB	MLK L SAR	*	2157.0	2311.0	2131.0	2365.0	*	60.	334.	AG	90.	7.8	.0	32.0		
18. NB	MLK L SAR	*	2131.0	2365.0	2119.0	2484.0	*	120.	354.	AG	90.	7.8	.0	32.0		
19. NB	MLK LQ SAR	*	2125.0	2427.0	2174.8	1959.0	*	471.	174.	AG	54.	100.0	.0	12.0	1.73	23.9
20. NB	MLK A MUL	*	2139.0	2484.0	2117.0	2791.0	*	308.	356.	AG	2215.	7.8	.0	56.0		
21. NB	MLK TRQ MU	*	2120.0	2746.0	2151.2	2337.2	*	410.	176.	AG	183.	100.0	.0	36.0	.96	20.8
22. NB	MLK A FRA	*	2117.0	2791.0	2116.0	2956.0	*	165.	360.	AG	2665.	7.8	.0	56.0		
23. NB	MLK T A FR	*	2116.0	2956.0	2131.0	3176.0	*	221.	4.	AG	2505.	7.8	.0	56.0		
24. NB	MLK TQ FRA	*	2128.0	3130.0	2114.1	2915.9	*	215.	184.	AG	106.	100.0	.0	36.0	.71	10.9
25. NB	MLK L A FR	*	2116.0	2956.0	2096.0	3008.0	*	56.	339.	AG	160.	7.8	.0	32.0		
26. NB	MLK L QFRA	*	2096.0	3008.0	2105.0	3170.0	*	162.	3.	AG	160.	7.8	.0	32.0		
27. NB	MLK LQ FRA	*	2103.0	3132.0	2070.9	2633.7	*	499.	184.	AG	99.	100.0	.0	12.0	1.25	25.4
28. NB	MLK D FRA	*	2131.0	3176.0	2153.0	3319.0	*	145.	9.	AG	2510.	7.8	.0	56.0		
29. NB	MLK D FRA	*	2153.0	3319.0	2184.0	3423.0	*	109.	17.	AG	2510.	7.8	.0	56.0		
30. NB	MLK D FRA	*	2184.0	3423.0	2254.0	3560.0	*	154.	27.	AG	2510.	7.8	.0	56.0		
31. NB	MLK D FRA	*	2254.0	3560.0	2396.0	3748.0	*	236.	37.	AG	2510.	7.8	.0	56.0		
32. SB	MLKTRAFRA	*	2341.0	3759.0	2244.0	3658.0	*	140.	224.	AG	3325.	7.8	.0	56.0		
33. SB	MLKTAFRA	*	2244.0	3658.0	2132.0	3493.0	*	199.	214.	AG	3020.	7.8	.0	56.0		
34. SB	MLKTAFRA	*	2132.0	3493.0	2064.0	3332.0	*	175.	203.	AG	3020.	7.8	.0	56.0		
35. SB	MLKTAFRA	*	2064.0	3332.0	2024.0	3162.0	*	175.	193.	AG	3020.	7.8	.0	56.0		
36. SB	MLKTQFRA	*	2034.0	3206.0	2387.4	4668.0	*	1504.	14.	AG	147.	100.0	.0	36.0	1.11	76.4
37. SB	MLKRFRA	*	2244.0	3658.0	2135.0	3562.0	*	145.	229.	AG	305.	7.8	.0	44.0		
38. SB	MLKRAFRA	*	2135.0	3562.0	2040.0	3397.0	*	190.	210.	AG	305.	7.8	.0	44.0		
39. SB	MLKRAFRA	*	2040.0	3397.0	1976.0	3186.0	*	220.	197.	AG	305.	7.8	.0	44.0		
40. SB	MLKRQFRA	*	1985.0	3217.0	2000.6	3268.7	*	54.	17.	AG	98.	100.0	.0	24.0	.25	2.7
41. SB	MLKDFRA	*	2024.0	3162.0	2029.0	3027.0	*	135.	178.	AG	3325.	7.8	.0	56.0		
42. SB	MLKTRMUL	*	2029.0	3027.0	2042.0	2797.0	*	230.	177.	AG	3255.	7.8	.0	56.0		
43. SB	MLKTRMUL	*	2040.0	2832.0	1838.0	6232.6	*	3407.	357.	AG	158.	100.0	.0	36.0	1.36	173.1
44. SB	MLKLMUL	*	2029.0	3027.0	2054.0	2949.0	*	82.	162.	AG	70.	7.8	.0	32.0		

JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 AM RUN: Site 5-6 BD 2035 AM
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LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	MLKLMUL	*	2054.0	2949.0	2064.0	2802.0	*	147.	176.	AG	70.	7.8	.0	32.0		
46. SB	MLK LQ MUL	*	2061.0	2844.0	2043.2	3126.0	*	283.	356.	AG	53.	100.0	.0	12.0	1.43	14.4
47. SB	MLKASAR	*	2042.0	2797.0	2055.0	2668.0	*	130.	174.	AG	3440.	7.8	.0	56.0		
48. SB	MLKTRSAR	*	2055.0	2668.0	2072.0	2477.0	*	192.	175.	AG	3190.	7.8	.0	56.0		
49. SB	MLKTRSA	*	2067.0	2534.0	1689.7	6872.8	*	4355.	355.	AG	174.	100.0	.0	36.0	1.55	221.2
50. SB	MLKLASAR	*	2055.0	2668.0	2080.0	2629.0	*	46.	147.	AG	250.	7.8	.0	32.0		
51. SB	MLK LA SAR	*	2080.0	2629.0	2095.0	2483.0	*	147.	174.	AG	250.	7.8	.0	32.0		
52. SB	MLKLQSA	*	2090.0	2532.0	1865.3	4703.9	*	2183.	354.	AG	48.	100.0	.0	12.0	4.63	110.9
53. SB	MLK A FAY	*	2072.0	2477.0	2125.0	1886.0	*	593.	175.	AG	3415.	7.8	.0	56.0		
54. SB	MLKAFAY	*	2125.0	1886.0	2117.0	1558.0	*	328.	181.	AG	3415.	7.8	.0	56.0		
55. SB	MLKFAY	*	2118.0	1601.0	2160.9	3472.6	*	1872.	1.	AG	90.	100.0	.0	36.0	1.15	95.1
56. SB	MLKABAL	*	2117.0	1558.0	2089.0	1397.0	*	163.	190.	AG	3470.	7.8	.0	56.0		
57. SB	MLKTRBAL	*	2089.0	1397.0	2030.0	1159.0	*	245.	194.	AG	3235.	7.8	.0	56.0		
58. SB	MLKTRQBA	*	2045.0	1220.0	2545.3	3240.5	*	2081.	14.	AG	136.	100.0	.0	36.0	1.17	105.7
59. SB	MLKLBAL	*	2089.0	1397.0	2096.0	1330.0	*	67.	174.	AG	235.	7.8	.0	32.0		
60. SB	MLKLBAL	*	2096.0	1330.0	2052.0	1157.0	*	179.	194.	AG	235.	7.8	.0	32.0		
61. SB	MLKLBAL	*	2068.0	1221.0	2584.7	3208.3	*	2053.	15.	AG	34.	100.0	.0	12.0	4.80	104.3
62. SB	MLK D BAL	*	2030.0	1159.0	1956.0	881.0	*	288.	195.	AG	3245.	7.8	.0	56.0		
63. SB	MLK D BAL	*	1956.0	881.0	1942.0	661.0	*	220.	184.	AG	3245.	7.8	.0	56.0		
64. SB	MLK D BAL	*	1942.0	661.0	1970.0	406.0	*	257.	174.	AG	3245.	7.8	.0	56.0		
65. SB	MLK D BAL	*	1970.0	406.0	2079.0	127.0	*	300.	159.	AG	3245.	7.8	.0	56.0		

66.	EB	BALT	*	1066.0	1093.0	2024.0	1153.0	*	960.	86.	AG	395.	7.9	.0	44.0		
67.	EB	BALT	*	1968.0	1149.0	1855.1	1142.4	*	113.	267.	AG	158.	100.0	.0	24.0	.53	5.7
68.	EB	BALT D	*	2030.0	1159.0	3081.0	1213.0	*	1052.	87.	AG	865.	7.9	.0	44.0		
69.	WB	BALT	*	2000.0	1170.0	1055.0	1113.0	*	947.	267.	AG	295.	7.9	.0	32.0		
70.	WB	FAY	*	2969.0	1609.0	2152.0	1562.0	*	818.	267.	AG	740.	7.9	.0	68.0		
71.	WB	FAY	*	2225.0	1566.0	2336.1	1572.4	*	111.	87.	AG	331.	100.0	.0	48.0	.63	5.7
72.	WB	FAY	*	2152.0	1562.0	1122.0	1513.0	*	1031.	267.	AG	405.	7.9	.0	68.0		
73.	EB	SAR	*	1281.0	2430.0	2095.0	2471.0	*	815.	87.	AG	355.	7.9	.0	32.0		
74.	EB	SAR	*	2022.0	2467.0	1816.7	2457.0	*	206.	267.	AG	66.	100.0	.0	12.0	.90	10.4
75.	EB	SAR D	*	2095.0	2471.0	3028.0	2519.0	*	934.	87.	AG	685.	7.9	.0	32.0		
76.	WB	SAR	*	3038.0	2535.0	2143.0	2498.0	*	896.	268.	AG	175.	7.9	.0	44.0		
77.	WB	SAR	*	2183.0	2500.0	2205.6	2500.9	*	23.	88.	AG	132.	100.0	.0	24.0	.12	1.1
78.	WB	SAR D	*	2143.0	2498.0	1273.0	2442.0	*	872.	266.	AG	230.	7.9	.0	32.0		
79.	EB	MUL	*	1074.0	2750.0	1751.0	2780.0	*	678.	87.	AG	2325.	7.9	.0	44.0		
80.	EB	MUL	*	1751.0	2780.0	2089.0	2793.0	*	338.	88.	AG	2325.	7.9	.0	68.0		
81.	EB	MUL	*	1989.0	2789.0	1636.9	2776.4	*	352.	268.	AG	241.	100.0	.0	48.0	.98	17.9
82.	EB	MUL	*	2089.0	2793.0	3078.0	2844.0	*	990.	87.	AG	2105.	7.9	.0	44.0		
83.	EB	US40	*	1075.0	2846.0	2358.0	2897.0	*	1284.	88.	BR	1335.	7.8	15.0	56.0		
84.	EB	US40	*	2358.0	2897.0	2794.0	2848.0	*	439.	96.	BR	1335.	7.8	15.0	56.0		
85.	EB	US40	*	2794.0	2848.0	3075.0	2858.0	*	281.	88.	AG	1335.	7.8	.0	56.0		
86.	WB	US40	*	2979.0	3201.0	2659.0	3162.0	*	322.	263.	AG	1325.	7.8	.0	56.0		
87.	WB	US40	*	2659.0	3162.0	2329.0	3087.0	*	338.	257.	BR	1325.	7.8	15.0	68.0		
88.	WB	US40	*	2329.0	3087.0	1320.0	3038.0	*	1010.	267.	BR	1325.	7.8	15.0	68.0		
89.	WB	US40	*	1320.0	3038.0	1073.0	3002.0	*	250.	262.	BR	1325.	7.8	15.0	68.0		
90.	WB	FRANK	*	2987.0	3218.0	2139.0	3169.0	*	849.	267.	AG	730.	7.9	.0	56.0		
91.	WB	FRANK	*	2183.0	3171.0	2319.6	3179.0	*	137.	87.	AG	233.	100.0	.0	36.0	.62	7.0
92.	WB	FRANK	*	2139.0	3169.0	1105.0	3123.0	*	1035.	267.	AG	885.	7.9	.0	56.0		

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 AM RUN: Site 5-6 BD 2035 AM
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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. NB	MLK TRQ	150	66	3.0	3120	1570	42.10	1	3
8. NB	MLK LQ	150	55	3.0	170	78	42.10	1	3
11. NB	MLK LTQ FA	150	40	3.0	2750	1253	42.10	1	3
16. NB	MLK TRQ SA	150	81	3.0	2480	1800	42.10	1	3
19. NB	MLK LQ SAR	150	72	3.0	90	107	42.10	1	3
21. NB	MLK TRQ MU	150	81	3.0	2215	1800	42.10	1	3
24. NB	MLK TQ FRA	150	47	3.0	2505	1800	42.10	1	3
27. NB	MLK LQ FRA	150	132	3.0	160	1486	42.10	1	3
36. SB	MLKTQFRA	150	65	3.0	3020	1700	42.10	1	3
40. SB	MLKRQFRA	150	65	3.0	305	1148	42.10	1	3
43. SB	MLKTRMUL	150	70	3.0	3255	1600	42.10	1	3
46. SB	MLK LQ MUL	150	70	3.0	70	99	42.10	1	3
49. SB	MLKTRSA	150	77	3.0	3190	1514	42.10	1	3
52. SB	MLKLQSA	150	64	3.0	250	100	42.10	1	3
55. SB	MLKFAY	150	40	3.0	3415	1416	42.10	1	3
58. SB	MLKTRQBA	150	60	3.0	3235	1625	42.10	1	3
61. SB	MLKLBAL	150	45	3.0	235	74	42.10	1	3
67. EB	BALT	150	105	3.0	395	1398	42.10	1	3
71. WB	FAY	150	110	3.0	740	1269	42.10	1	3
74. EB	SAR	150	88	3.0	355	1039	42.10	1	3
77. WB	SAR	150	88	3.0	95	998	42.10	1	3
81. EB	MUL	150	80	3.0	2325	1364	42.10	1	3
91. WB	FRANK	150	103	3.0	730	1391	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. S6 R1 SE MID	2067.0	801.0	5.0
2. S6 R2 SE COR RED	2092.0	968.0	5.0
3. S6 R3 82 SE	2112.0	1043.0	5.0
4. S6 R4 SE COR	2139.0	1143.0	5.0
5. S6 R5 82 ES	2237.0	1146.0	5.0
6. S6 R6 164 ES	2320.0	1149.0	5.0
7. S6 R7 MID ES	2537.0	1157.0	5.0
8. S6 R8 MID EN	2537.0	1229.0	5.0
9. S6 R9 164 EN	2326.0	1213.0	5.0
10. S6 R10 82 EN	2236.0	1208.0	5.0
11. S6 R11 NE COR	2145.0	1207.0	5.0
12. S6 R12 82 NE	2164.0	1292.0	5.0
13. S6 R13 164 NE	2179.0	1375.0	5.0
14. S6 R14 SE COR FAY	2210.0	1529.0	5.0
15. S6 R15 NE COR FAY	2220.0	1608.0	5.0
16. S6 R16 NW COR FAY	2073.0	1601.0	5.0
17. S6 R17 164 NW	2054.0	1380.0	5.0
18. S6 R18 82 NW	2037.0	1298.0	5.0
19. S6 R19 NW COR	2002.0	1197.0	5.0
20. S6 R20 82 WN	1909.0	1187.0	5.0
21. S6 R21 164 WN	1828.0	1179.0	5.0
22. S6 R22 MID WN	1592.0	1167.0	5.0

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 AM RUN: Site 5-6 BD 2035 AM
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RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
23. S6 R23 MID WS	1585.0	1108.0	5.0
24. S6 R24 164 WS	1789.0	1120.0	5.0
25. S6 R25 82 WS	1873.0	1126.0	5.0
26. S6 R26 SW COR	1972.0	1122.0	5.0
27. S6 R27 82 SW	1958.0	1026.0	5.0
28. S6 R28 164 SW	1939.0	947.0	5.0
29. S6 R29 MID SW	1911.0	798.0	5.0
30. S5 R1 SE COR SARAT	2183.0	2444.0	5.0
31. S5 R2 164 SE	2159.0	2584.0	5.0
32. S5 R3 82 SE	2153.0	2664.0	5.0
33. S5 R4 SE COR	2154.0	2762.0	5.0
34. S5 R5 82 ES	2245.0	2772.0	5.0
35. S5 R5 164 ES	2328.0	2775.0	5.0
36. S5 R6 MID ES	2556.0	2786.0	5.0
37. S5 R7 NE COR FRAN	2174.0	3214.0	5.0
38. S5 R8 NW COR FRAN	1959.0	3226.0	5.0
39. S5 R8 NE COR MUL	2152.0	2825.0	5.0
40. S5 R8 NW COR MUL	2002.0	2830.0	5.0
41. S5 R9 MID WS	1592.0	2741.0	5.0
42. S5 R10 164 WS	1837.0	2752.0	5.0
43. S5 R11 82 WS	1909.0	2754.0	5.0
44. S5 R12 SW COR	2011.0	2750.0	5.0
45. S5 R13 82 SW	2025.0	2662.0	5.0
46. S5 R14 164 SW	2032.0	2580.0	5.0
47. S5 R15 SW COR SARAT	2038.0	2437.0	5.0
48. S5 R16 NE COR SARAT	2177.0	2531.0	5.0
49. S5 R17 NW COR SARAT	2026.0	2518.0	5.0

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 AM RUN: Site 5-6 BD 2035 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	1.9	2.9	2.4	2.5	1.3	.7	.2	.0	.5	1.1	2.7	2.6	2.8	2.7	2.8	1.2	1.4	1.3	1.0	.3
5.	1.7	2.7	2.3	2.3	.8	.5	.2	.0	.3	.9	2.1	2.6	2.5	2.5	2.5	1.6	1.7	1.7	1.1	.4
10.	1.4	2.2	2.0	2.0	.6	.4	.2	.0	.2	.5	1.9	2.1	2.2	2.2	1.8	1.8	1.8	2.1	1.4	.6
15.	.9	1.6	1.4	1.3	.5	.2	.2	.0	.0	.4	1.4	1.5	1.6	1.6	1.5	1.8	2.4	2.4	1.7	.6
20.	.5	1.2	1.1	1.0	.3	.2	.2	.0	.0	.2	1.1	1.1	1.4	1.6	1.3	2.0	2.5	2.9	1.9	.8
25.	.2	.8	.6	.6	.3	.2	.2	.0	.0	.1	.7	.8	1.0	1.5	1.2	2.0	2.7	2.8	2.2	.9
30.	.1	.6	.5	.4	.2	.2	.2	.0	.0	.1	.6	.6	.8	1.5	.9	2.0	2.7	2.9	2.3	.8
35.	.0	.3	.2	.4	.2	.2	.2	.0	.0	.0	.4	.5	.8	1.5	.8	1.8	2.8	2.7	2.1	.8
40.	.0	.2	.2	.4	.3	.3	.2	.0	.0	.0	.2	.4	.6	1.5	.7	1.8	2.6	2.6	2.2	.9
45.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.2	.3	.6	1.6	.7	1.8	2.6	2.3	1.9	.8
50.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.3	.6	1.6	.7	1.8	2.5	2.5	1.6	.9
55.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.2	.5	1.5	.7	1.7	2.6	2.4	1.5	.8
60.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.2	.5	1.5	.6	1.7	2.5	2.0	1.4	.7
65.	.0	.2	.2	.4	.3	.3	.3	.0	.0	.0	.1	.2	.5	1.6	.6	1.6	2.2	2.0	1.2	.7
70.	.0	.2	.2	.4	.4	.4	.3	.0	.0	.0	.1	.1	.4	1.5	.6	1.6	2.2	1.6	1.2	.6
75.	.0	.1	.1	.4	.4	.4	.3	.0	.1	.1	.1	.0	.4	1.4	.8	1.9	2.0	1.6	1.2	.7
80.	.0	.0	.1	.4	.4	.3	.3	.1	.1	.1	.1	.0	.3	1.3	.8	1.7	1.8	1.7	1.2	.7
85.	.0	.0	.0	.4	.3	.3	.3	.1	.1	.1	.1	.0	.3	1.1	1.0	1.8	1.8	1.5	1.3	.6
90.	.0	.0	.0	.3	.3	.3	.2	.1	.2	.2	.2	.0	.2	1.0	1.1	1.8	1.7	1.5	1.2	.7
95.	.0	.0	.0	.3	.2	.2	.1	.2	.2	.2	.2	.1	.2	.8	1.2	2.0	1.8	1.6	1.2	.7
100.	.0	.0	.0	.2	.2	.1	.1	.2	.2	.2	.2	.1	.2	.7	1.3	1.9	1.8	1.6	1.3	.8
105.	.0	.0	.0	.1	.1	.1	.1	.2	.2	.3	.2	.1	.3	.6	1.4	1.7	1.7	1.7	1.2	1.0
110.	.0	.0	.0	.1	.1	.1	.0	.2	.2	.2	.2	.1	.2	.5	1.5	1.9	1.8	1.6	1.2	1.0
115.	.0	.0	.0	.1	.0	.0	.0	.2	.2	.2	.2	.1	.2	.5	1.7	1.7	1.7	1.6	1.3	1.1
120.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.2	.6	1.7	1.7	1.6	1.6	1.4	1.0
125.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.2	.6	1.8	1.8	1.7	1.6	1.3	1.1
130.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.6	1.8	1.7	1.7	1.6	1.4	1.1
135.	.0	.1	.1	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.6	1.8	1.5	1.6	1.7	1.5	1.2
140.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.2	.2	.1	.6	1.9	1.6	1.6	1.8	1.5	1.2
145.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.2	.2	.1	.6	2.0	1.6	1.7	1.8	1.5	1.2
150.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.2	.2	.2	.6	2.0	1.7	1.8	1.9	1.7	1.3
155.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.3	.2	.2	.6	2.0	1.6	2.0	2.1	1.6	1.3
160.	.1	.1	.1	.1	.0	.0	.0	.2	.2	.2	.3	.2	.2	.7	2.0	1.8	2.1	2.1	1.6	1.3
165.	.2	.1	.1	.1	.0	.0	.0	.2	.2	.2	.4	.2	.3	.6	1.9	1.7	2.2	2.2	1.8	1.5
170.	.3	.2	.1	.1	.0	.0	.0	.2	.2	.2	.4	.3	.4	.5	2.0	1.8	2.1	2.3	2.0	1.4
175.	.5	.7	.6	.3	.0	.0	.0	.2	.2	.2	.6	.5	.6	.6	1.8	1.6	2.1	2.3	2.2	1.2
180.	.6	.8	.8	.7	.0	.0	.0	.2	.2	.2	.7	.7	.8	.7	2.0	1.4	2.3	2.5	2.0	.9
185.	.8	1.1	1.1	1.0	.1	.0	.0	.2	.2	.2	1.4	.9	1.0	.8	2.0	1.2	2.0	2.2	1.6	.8
190.	1.0	1.5	1.5	1.5	.2	.0	.0	.2	.2	.3	1.8	1.4	1.4	1.2	2.3	.9	1.9	1.9	1.3	.6
195.	1.1	1.8	1.8	1.6	.5	.1	.0	.2	.2	.7	2.1	1.7	1.8	1.5	2.1	.6	1.4	1.4	.7	.5
200.	1.0	1.8	1.9	2.0	.5	.2	.0	.2	.3	.8	2.1	1.9	1.8	1.6	2.2	.5	1.1	1.3	.8	.5
205.	1.2	2.1	2.2	2.0	.6	.3	.0	.2	.5	.9	2.4	1.9	1.8	1.8	2.3	.2	.7	.8	.7	.5

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 AM RUN: Site 5-6 BD 2035 AM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.2	2.2	2.2	2.1	.5	.3	.0	.2	.7	1.0	2.2	1.8	1.9	1.8	2.4	.1	.5	.5	.4	.5
215.	1.2	2.2	2.1	2.1	.7	.5	.0	.2	.6	1.0	2.1	1.6	1.8	1.8	1.9	.1	.3	.4	.5	.5
220.	1.3	2.2	2.2	2.0	.8	.4	.0	.2	.8	1.1	2.0	1.6	1.7	1.7	1.9	.1	.1	.3	.4	.5
225.	1.2	2.1	2.0	1.9	.8	.5	.0	.2	.8	1.1	1.7	1.3	1.6	1.7	1.8	.1	.1	.2	.4	.4
230.	1.3	2.1	2.1	1.8	.8	.7	.1	.4	.8	.9	1.6	1.5	1.7	1.5	1.6	.1	.1	.2	.4	.4
235.	1.3	2.0	2.1	1.6	.7	.6	.4	.5	.6	.9	1.7	1.4	1.6	1.6	1.6	.1	.1	.2	.4	.4
240.	1.3	1.8	1.8	1.5	.7	.5	.3	.5	.7	.9	1.5	1.4	1.6	1.5	1.7	.1	.1	.1	.4	.3
245.	1.2	1.9	1.8	1.5	.8	.6	.3	.5	.6	.9	1.4	1.3	1.6	1.4	1.6	.1	.1	.1	.4	.3
250.	1.2	1.8	1.9	1.4	.8	.6	.4	.5	.7	.9	1.5	1.2	1.5	1.3	1.6	.1	.1	.1	.4	.3
255.	1.2	1.7	1.8	1.2	.7	.6	.4	.5	.7	.8	1.4	1.3	1.6	1.3	1.6	.1	.0	.1	.4	.2
260.	1.2	1.7	1.8	1.5	.8	.6	.5	.5	.6	.6	1.4	1.2	1.5	1.4	1.5	.1	.0	.1	.3	.2
265.	1.4	1.8	1.8	1.6	.9	.7	.5	.5	.5	.7	1.3	1.2	1.6	1.5	1.6	.1	.0	.0	.3	.2
270.	1.4	1.8	1.8	1.4	1.0	.7	.6	.3	.4	.6	1.2	1.3	1.6	1.5	1.5	.1	.0	.0	.2	.2
275.	1.4	1.8	1.8	1.6	.8	.7	.6	.3	.6	.6	1.2	1.3	1.7	1.4	1.4	.1	.0	.0	.0	.1
280.	1.4	1.9	1.8	1.6	.9	.7	.5	.2	.5	.6	1.2	1.3	1.7	1.4	1.4	.0	.0	.0	.0	.0
285.	1.4	1.9	2.0	1.4	.8	.6	.5	.4	.5	.6	1.2	1.3	1.7	1.4	1.4	.0	.0	.0	.0	.0
290.	1.4	1.8	1.9	1.5	.9	.8	.6	.5	.5	.6	1.2	1.3	1.7	1.5	1.4	.0	.0	.0	.0	.0
295.	1.4	1.8	1.8	1.4	.9	.8	.7	.4	.5	.6	1.3	1.3	1.6	1.4	1.4	.0	.0	.0	.0	.0
300.	1.5	1.8	1.7	1.3	.8	.8	.7	.4	.5	.6	1.2	1.2	1.8	1.4	1.5	.0	.0	.0	.0	.0
305.	1.5	1.9	1.7	1.4	.8	.7	.7	.5	.5	.6	1.3	1.2	1.7	1.4	1.5	.0	.0	.0	.0	.0
310.	1.6	1.9	1.7	1.5	.8	.8	.6	.5	.6	.8	1.3	1.3	1.7	1.5	1.5	.0	.0	.1	.0	.0
315.	1.5	1.8	1.7	1.5	.8	.7	.7	.5	.8	.7	1.3	1.3	1.7	1.6	1.6	.0	.0	.1	.0	.0
320.	1.7	1.9	1.7	1.5	.8	.7	.7	.4	.7	.6	1.3	1.5	1.7	1.5	1.7	.0	.0	.1	.0	.0
325.	1.5	1.9	1.8	1.4	.9	1.0	.6	.6	.7	.8	1.4	1.5	1.9	1.7	1.9	.0	.0	.1	.0	.0
330.	1.6	1.9	2.0	1.6	.8	.8	.8	.6	.8	.9	1.4	1.7	1.9	1.9	2.2	.0	.0	.1	.0	.0
335.	1.6	2.1	2.0	1.6	1.0	1.0	.8	.6	.9	1.0	1.5	1.7	2.0	1.8	2.2	.0	.0	.1	.0	.0
340.	1.7	2.2	2.0	1.7	1.2	1.1	.6	.4	1.0	1.0	1.7	1.8	2.2	2.3	2.9	.0	.0	.1	.0	.0
345.	1.7	2.2	2.0	1.8	1.3	1.2	.6	.5	1.1	1.2	1.8	2.3	2.6	2.5	3.0	.3	.1	.1	.0	.0
350.	1.8	2.2	2.5	2.1	1.5	1.4	.6	.3	1.2	1.4	2.2	2.4	2.9	2.9	3.1	.5	.5	.7	.2	.0
355.	1.7	2.8	2.6	2.4	1.4	1.2	.4	.2	1.1	1.6	2.4	2.8	2.9	2.8	3.1	.9	.8	1.0	.6	.1
360.	1.9	2.9	2.4	2.5	1.3	.7	.2	.0	.5	1.1	2.7	2.6	2.8	2.7	2.8	1.2	1.4	1.3	1.0	.3
MAX	1.9	2.9	2.6	2.5	1.5	1.4	.8	.6	1.2	1.6	2.7	2.8	2.9	2.9	3.1	2.0	2.8	2.9	2.3	1.5
DEGR.	0	0	355	0	350	350	330	325	350	355	0	355	350	350	350	20	35	20	30	165

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 AM RUN: Site 5-6 BD 2035 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	.2	.1	.2	.3	.9	.9	.7	.7	.5	1.4	2.3	2.6	2.5	1.2	.7	.8	1.7	1.0	2.0	2.4
5.	.3	.1	.3	.4	1.0	1.1	1.1	1.1	1.0	1.0	1.7	1.9	2.1	.9	.6	.8	1.4	1.1	2.0	2.9
10.	.3	.1	.3	.4	1.3	1.1	1.3	1.3	1.3	.6	1.1	1.4	1.6	.7	.7	.6	1.1	1.1	1.5	3.2
15.	.5	.1	.3	.6	1.2	1.4	1.5	1.6	1.4	.4	.7	1.0	1.4	.6	.9	.6	.9	1.4	1.2	3.3
20.	.5	.1	.3	.7	1.3	1.3	1.6	1.8	1.8	.4	.5	.7	1.2	.6	.8	.6	.7	1.6	.9	3.4
25.	.6	.2	.4	.7	1.4	1.5	1.7	1.7	1.8	.4	.4	.6	.9	.7	.8	.6	.5	1.9	.7	3.3
30.	.5	.3	.5	.6	1.5	1.7	1.7	1.9	1.9	.4	.4	.6	.8	.8	.9	.7	.2	1.8	.6	3.0
35.	.6	.4	.6	.7	1.6	1.5	1.6	1.8	1.5	.5	.4	.6	.9	.8	.9	.7	.0	2.0	.4	3.0
40.	.6	.3	.5	.8	1.5	1.4	1.8	1.8	1.7	.4	.3	.6	.9	1.0	.9	.7	.0	2.1	.5	2.9
45.	.6	.3	.5	.7	1.5	1.5	1.5	1.7	1.7	.4	.5	.5	.9	.9	.9	.7	.0	2.4	.6	2.8
50.	.5	.3	.5	.8	1.5	1.4	1.6	1.6	1.6	.4	.5	.6	.9	.8	.9	.8	.0	2.4	.6	2.7
55.	.7	.3	.7	1.0	1.5	1.2	1.4	1.6	1.6	.4	.4	.5	1.0	.9	.9	.8	.0	2.3	.5	2.5
60.	.6	.4	.7	1.0	1.4	1.2	1.4	1.7	1.4	.4	.4	.5	1.0	.9	1.0	.9	.0	2.2	.5	2.5
65.	.5	.4	.5	.9	1.5	1.4	1.4	1.6	1.4	.4	.2	.5	1.0	.9	1.0	.8	.0	2.1	.6	2.3
70.	.4	.2	.4	1.0	1.4	1.3	1.5	1.6	1.3	.3	.2	.5	1.0	1.0	1.1	.9	.0	2.0	.6	2.5
75.	.4	.1	.5	.9	1.3	1.2	1.4	1.5	1.4	.3	.2	.3	1.0	1.0	1.0	.9	.1	2.0	.7	2.5
80.	.6	.3	.6	.9	1.2	1.4	1.5	1.4	1.4	.3	.2	.2	.9	.9	1.0	.8	.2	2.0	.8	2.6
85.	.8	.4	.6	.9	1.3	1.3	1.4	1.4	1.2	.3	.1	.3	.8	.8	.9	.7	.2	2.2	1.0	2.7
90.	.7	.6	.5	.9	1.1	1.2	1.4	1.4	1.2	.2	.1	.3	.6	.6	.7	.5	.5	2.2	1.0	2.8
95.	.9	.5	.4	.8	1.0	1.1	1.4	1.4	1.3	.2	.2	.2	.5	.5	.5	.3	.7	2.1	1.1	2.6
100.	.9	.5	.4	.7	.9	1.2	1.4	1.5	1.2	.2	.2	.1	.4	.3	.4	.2	.7	2.3	1.0	2.6
105.	1.2	.5	.4	.7	.8	1.1	1.5	1.5	1.2	.1	.2	.1	.3	.2	.3	.1	.8	2.3	1.0	2.7
110.	1.0	.5	.4	.5	.7	1.1	1.4	1.4	1.2	.1	.2	.1	.3	.2	.3	.1	.9	2.4	.9	2.4
115.	1.0	.5	.3	.5	.7	1.1	1.4	1.3	1.1	.1	.2	.3	.2	.2	.2	.0	1.0	2.4	.9	2.7
120.	1.0	.5	.5	.5	.7	1.1	1.4	1.4	1.0	.1	.3	.4	.2	.1	.2	.0	1.0	2.1	.9	2.7
125.	1.0	.7	.4	.4	.7	1.1	1.4	1.4	1.1	.1	.3	.4	.2	.1	.2	.0	1.3	2.2	.8	2.6
130.	1.0	.6	.2	.5	.7	1.2	1.4	1.3	1.1	.1	.3	.3	.2	.1	.2	.0	1.2	2.2	.9	2.6
135.	.9	.4	.2	.6	.7	1.3	1.4	1.5	1.2	.1	.3	.3	.2	.1	.2	.0	1.1	2.3	.9	2.7
140.	.9	.4	.3	.6	.8	1.3	1.5	1.4	1.3	.1	.3	.3	.2	.1	.2	.0	1.1	2.4	.8	2.7
145.	1.0	.5	.3	.5	.8	1.3	1.5	1.5	1.4	.1	.3	.3	.2	.1	.2	.0	1.0	2.6	.8	2.7
150.	.9	.4	.1	.5	.7	1.3	1.5	1.6	1.3	.1	.4	.4	.4	.1	.2	.0	1.0	2.7	.8	3.0
155.	.9	.3	.1	.6	.7	1.4	1.5	1.8	1.6	.2	.8	.6	.4	.1	.2	.0	.9	2.9	1.0	3.2
160.	.9	.2	.0	.6	.9	1.4	1.7	1.7	1.6	.5	1.0	.9	.7	.1	.2	.0	1.0	2.6	1.2	3.2
165.	.8	.2	.0	.5	.9	1.7	1.9	2.0	1.5	.6	1.4	1.4	1.2	.1	.2	.0	1.0	2.6	1.5	2.7
170.	.6	.2	.0	.2	.8	1.6	2.0	1.9	1.3	1.2	1.8	1.8	1.5	.2	.2	.0	1.2	2.4	2.0	2.4
175.	.4	.2	.0	.1	.6	1.7	2.0	1.8	1.2	1.7	2.4	2.4	2.1	.4	.3	.0	2.0	2.0	2.3	2.1
180.	.3	.2	.0	.0	.2	1.4	1.7	1.7	.9	2.0	3.0	2.8	2.4	.6	.3	.0	2.2	1.1	2.7	1.5

185. *	.2	.2	.0	.0	.2	1.2	1.4	1.3	.7	2.4	3.1	3.2	2.6	.8	.5	.0	2.5	.9	3.0	1.2
190. *	.2	.2	.0	.0	.0	.8	1.0	.8	.3	2.4	3.1	3.0	2.8	1.0	.6	.2	2.6	.6	3.1	1.1
195. *	.2	.2	.0	.0	.0	.4	.7	.7	.2	2.6	2.8	3.0	2.6	1.0	.7	.2	2.6	.5	2.9	.8
200. *	.2	.2	.0	.0	.0	.3	.4	.4	.1	2.6	2.6	2.8	2.5	.9	.8	.3	2.7	.5	2.8	.8
205. *	.2	.2	.0	.0	.0	.2	.3	.2	.0	2.4	2.6	2.5	2.4	1.0	.8	.5	2.7	.5	2.6	.9

1

JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 AM RUN: Site 5-6 BD 2035 AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210. *	.2	.2	.0	.0	.0	.1	.2	.2	.0	2.3	2.4	2.5	2.4	.8	.7	.5	2.5	.5	2.6	1.0
215. *	.2	.2	.0	.0	.0	.0	.1	.1	.0	2.2	2.3	2.4	2.3	.9	.6	.5	2.6	.5	2.6	1.0
220. *	.2	.2	.0	.0	.0	.0	.1	.1	.0	2.2	2.0	2.3	2.2	.9	.5	.4	2.6	.5	2.4	1.2
225. *	.2	.2	.0	.0	.0	.0	.0	.1	.0	2.2	2.1	2.2	2.1	.8	.7	.5	2.6	.5	2.3	1.2
230. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	2.0	2.1	2.2	1.8	.9	.6	.4	2.4	.5	2.2	1.2
235. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.9	2.0	2.2	1.8	.9	.6	.5	2.3	.5	2.3	1.3
240. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.9	1.9	2.1	1.8	.8	.7	.6	2.1	.5	2.5	1.4
245. *	.2	.2	.1	.1	.1	.0	.0	.0	.0	1.7	1.8	2.0	1.7	1.0	.8	.6	2.1	.3	2.5	1.5
250. *	.2	.2	.1	.1	.1	.0	.0	.0	.0	1.7	1.9	2.1	1.9	1.2	.7	.7	1.7	.3	2.6	1.6
255. *	.2	.2	.1	.1	.1	.2	.0	.0	.0	1.6	1.9	2.1	2.1	1.1	1.0	.8	1.8	.3	2.8	1.6
260. *	.2	.2	.1	.1	.2	.2	.0	.0	.0	1.6	2.1	2.3	2.2	1.4	1.0	1.1	1.9	.2	2.8	1.5
265. *	.2	.2	.2	.2	.2	.2	.0	.0	.0	1.6	2.2	2.4	2.4	1.8	1.2	1.3	1.9	.1	2.8	1.4
270. *	.2	.1	.3	.3	.4	.3	.0	.0	.0	1.6	2.3	2.5	2.5	1.9	1.5	1.4	1.9	.1	2.8	1.2
275. *	.1	.1	.3	.3	.4	.5	.0	.0	.0	1.7	2.1	2.4	2.6	1.8	1.7	1.5	1.8	.1	2.5	.9
280. *	.0	.0	.3	.3	.4	.6	.0	.0	.0	1.7	2.2	2.6	2.7	1.9	1.7	1.5	1.7	.0	2.3	.8
285. *	.0	.0	.3	.3	.4	.7	.0	.0	.0	1.8	2.3	2.7	2.7	2.1	1.5	1.5	1.6	.0	2.2	.5
290. *	.0	.0	.3	.3	.5	.6	.0	.0	.0	1.8	2.4	2.7	2.7	2.0	1.7	1.6	1.6	.0	2.1	.5
295. *	.0	.0	.3	.3	.5	.6	.0	.0	.0	1.9	2.7	2.8	2.7	1.8	1.6	1.6	1.7	.0	2.1	.5
300. *	.0	.0	.3	.3	.5	.7	.0	.0	.0	2.1	2.8	2.8	2.6	1.8	1.5	1.4	1.7	.0	2.1	.3
305. *	.0	.0	.2	.2	.5	.7	.0	.0	.0	2.3	2.9	3.0	2.6	1.7	1.6	1.4	1.7	.0	2.1	.3
310. *	.0	.0	.2	.2	.5	.6	.1	.0	.0	2.2	2.9	2.9	2.4	1.7	1.6	1.3	1.8	.0	2.4	.3
315. *	.0	.0	.2	.2	.5	.6	.1	.0	.0	2.3	3.3	3.2	2.7	1.9	1.6	1.2	1.9	.0	2.4	.3
320. *	.0	.0	.2	.2	.6	.6	.1	.0	.0	2.3	3.3	3.3	2.8	1.8	1.4	1.1	1.9	.0	2.6	.3
325. *	.0	.0	.2	.2	.6	.5	.1	.0	.0	2.4	3.4	3.3	2.9	1.9	1.4	1.2	1.9	.0	2.8	.3
330. *	.0	.0	.2	.2	.6	.5	.1	.1	.0	2.6	3.2	3.4	3.0	1.9	1.3	1.1	2.0	.0	2.8	.3
335. *	.0	.0	.2	.2	.6	.4	.1	.2	.0	2.8	3.4	3.3	3.1	1.8	1.3	1.2	1.9	.0	2.9	.5
340. *	.0	.0	.2	.2	.7	.4	.1	.2	.0	2.8	3.5	3.6	3.3	1.8	1.3	1.2	2.0	.2	2.9	.6
345. *	.0	.0	.2	.2	.7	.4	.1	.2	.0	2.6	3.5	3.5	3.3	1.6	1.2	1.2	2.1	.3	3.1	1.0
350. *	.0	.0	.2	.2	.7	.3	.2	.2	.1	2.7	3.3	3.4	3.3	1.3	1.1	1.0	2.2	.5	3.1	1.4
355. *	.1	.0	.2	.2	.8	.4	.3	.3	.3	2.1	2.6	2.9	3.0	1.3	1.0	.8	1.7	.8	2.6	2.0
360. *	.2	.1	.2	.3	.9	.9	.7	.7	.5	1.4	2.3	2.6	2.5	1.2	.7	.8	1.7	1.0	2.0	2.4
MAX *	1.2	.7	.7	1.0	1.6	1.7	2.0	2.0	1.9	2.8	3.5	3.6	3.3	2.1	1.7	1.6	2.7	2.9	3.1	3.4
DEGR. *	105	125	55	55	35	30	170	165	30	335	340	340	340	285	275	290	200	155	190	20

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 AM RUN: Site 5-6 BD 2035 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
0. *	.8	1.7	2.0	2.8	3.1	2.9	2.4	1.2	2.2
5. *	.9	1.9	2.2	3.4	3.3	3.1	2.8	1.0	2.5
10. *	.9	1.9	2.3	3.6	3.3	3.3	2.8	.4	2.6
15. *	.9	2.1	2.2	3.5	3.3	3.1	2.6	.3	2.7
20. *	1.0	2.1	2.4	3.4	3.5	3.2	2.2	.1	2.3
25. *	1.1	2.3	2.5	3.2	2.9	2.6	1.8	.2	2.3
30. *	1.2	2.3	2.5	2.9	2.8	2.6	1.8	.2	2.3
35. *	1.2	2.3	2.7	3.0	2.7	2.5	1.8	.2	1.8
40. *	1.3	2.4	2.8	2.9	2.7	2.6	1.7	.3	2.0
45. *	1.3	2.3	2.8	2.6	2.6	2.4	1.6	.3	2.0
50. *	1.3	2.5	2.6	2.6	2.5	2.3	1.8	.3	1.8
55. *	1.6	2.5	2.4	2.7	2.5	2.3	1.8	.2	1.8
60. *	1.7	2.5	2.5	2.6	2.4	2.2	1.7	.2	1.7
65. *	1.7	2.5	2.5	2.6	2.5	2.2	1.6	.2	1.5
70. *	1.9	2.7	2.5	2.8	2.5	2.1	1.6	.2	1.5
75. *	1.8	2.6	2.5	2.7	2.4	2.2	1.6	.2	1.5
80. *	1.6	2.5	2.4	2.8	2.4	2.2	1.6	.1	1.5
85. *	1.7	2.3	2.3	2.6	2.3	2.1	1.7	.2	1.5
90. *	1.4	2.0	1.9	2.4	2.4	2.1	1.7	.2	1.4
95. *	1.2	1.6	1.7	2.2	2.2	2.2	1.6	.3	1.4
100. *	1.0	1.3	1.5	2.0	2.1	2.1	1.6	.3	1.4
105. *	.7	1.2	1.4	2.1	2.1	2.1	1.6	.3	1.5
110. *	.5	1.0	1.4	2.0	2.2	2.0	1.6	.3	1.5
115. *	.3	.8	1.2	2.0	2.3	2.1	1.7	.4	1.7
120. *	.3	.9	1.1	2.1	2.4	2.1	1.8	.4	1.7
125. *	.2	.8	1.0	2.3	2.2	2.1	1.8	.3	1.7
130. *	.2	1.0	1.0	2.3	2.3	2.2	1.9	.3	1.5

135.	*	.3	1.0	1.2	2.4	2.4	2.3	1.9	.4	1.8
140.	*	.3	.9	1.1	2.4	2.5	2.2	1.9	.4	1.8
145.	*	.2	1.0	1.2	2.5	2.6	2.4	2.0	.4	2.0
150.	*	.2	.8	1.1	2.6	2.5	2.4	1.9	.4	2.3
155.	*	.0	.6	1.0	2.7	2.6	2.2	1.9	.5	2.2
160.	*	.0	.6	.7	2.5	2.6	2.3	2.0	.7	2.1
165.	*	.0	.3	.7	2.3	2.3	2.2	1.8	.9	1.9
170.	*	.0	.2	.4	2.1	2.3	2.0	1.6	1.2	1.7
175.	*	.0	.0	.2	1.5	1.7	1.5	1.3	1.6	1.3
180.	*	.0	.0	.1	.9	1.3	1.3	.9	2.2	1.0
185.	*	.0	.0	.0	.5	.7	.6	.5	2.4	.5
190.	*	.0	.0	.0	.3	.4	.4	.2	2.6	.5
195.	*	.0	.0	.0	.2	.3	.2	.1	2.2	.4
200.	*	.0	.0	.0	.0	.1	.2	.1	2.3	.3
205.	*	.0	.1	.0	.0	.1	.2	.0	2.1	.3

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 AM RUN: Site 5-6 BD 2035 AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
210.	*	.0	.1	.1	.0	.1	.2	.0	1.9	.3
215.	*	.0	.1	.1	.0	.1	.2	.0	2.0	.3
220.	*	.0	.1	.1	.0	.1	.2	.0	1.8	.3
225.	*	.0	.1	.1	.0	.1	.2	.0	1.8	.3
230.	*	.0	.1	.1	.0	.1	.0	.0	1.8	.3
235.	*	.0	.1	.1	.0	.0	.0	.0	1.5	.3
240.	*	.0	.2	.2	.1	.0	.0	.0	1.5	.3
245.	*	.1	.3	.2	.1	.0	.0	.0	1.6	.3
250.	*	.1	.4	.4	.2	.0	.0	.0	1.5	.3
255.	*	.2	.6	.6	.4	.0	.0	.0	1.7	.3
260.	*	.3	.9	.9	.6	.0	.0	.0	1.7	.2
265.	*	.4	1.1	1.2	1.0	.1	.0	.2	1.5	.1
270.	*	.6	1.5	1.5	1.3	.1	.0	.2	1.5	.0
275.	*	.8	1.7	1.8	1.5	.2	.1	.2	1.6	.0
280.	*	.8	1.8	2.0	1.6	.5	.1	.2	1.7	.1
285.	*	.9	1.9	1.9	1.6	.6	.2	.3	1.9	.1
290.	*	.8	1.9	1.8	1.6	.5	.3	.3	1.9	.1
295.	*	.8	1.8	1.8	1.6	.7	.3	.3	2.0	.3
300.	*	.8	1.8	1.9	1.5	.7	.5	.3	2.1	.3
305.	*	.8	1.8	1.8	1.4	.7	.6	.5	2.3	.3
310.	*	.7	1.7	1.7	1.4	.8	.6	.5	2.2	.4
315.	*	.7	1.6	1.6	1.3	.9	.5	.5	2.2	.5
320.	*	.7	1.6	1.6	1.2	.8	.7	.6	2.7	.4
325.	*	.8	1.5	1.5	1.1	.8	.7	.5	2.8	.4
330.	*	.7	1.4	1.4	1.0	.7	.7	.5	2.7	.4
335.	*	.7	1.4	1.4	1.3	1.0	.9	.7	2.7	.5
340.	*	.7	1.4	1.4	1.2	1.2	1.2	.7	2.5	.7
345.	*	.7	1.4	1.5	1.7	1.6	1.4	1.1	2.6	.9
350.	*	.7	1.6	1.7	2.1	2.1	2.0	1.3	2.4	1.2
355.	*	.7	1.7	1.8	2.7	2.6	2.6	2.0	1.9	1.9
360.	*	.8	1.7	2.0	2.8	3.1	2.9	2.4	1.2	2.2
MAX	*	1.9	2.7	2.8	3.6	3.5	3.3	2.8	2.8	2.7
DEGR.	*	70	70	40	10	20	10	10	325	15

THE HIGHEST CONCENTRATION IS 3.60 PPM AT 10 DEGREES FROM REC44.
THE 2ND HIGHEST CONCENTRATION IS 3.60 PPM AT 340 DEGREES FROM REC32.
THE 3RD HIGHEST CONCENTRATION IS 3.50 PPM AT 340 DEGREES FROM REC31.

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Site 5-6 MLK & Mulberry/Balt BD 2035 PM 60.0321.0.0000.000490.30480000    1    1
S6 R1 SE MID              2067.      801.        5.
S6 R2 SE COR RED          2092.      968.        5.
S6 R3 82 SE               2112.     1043.        5.
S6 R4 SE COR              2139.     1143.        5.
S6 R5 82 ES               2237.     1146.        5.
S6 R6 164 ES              2320.     1149.        5.
S6 R7 MID ES              2537.     1157.        5.
S6 R8 MID EN              2537.     1229.        5.
S6 R9 164 EN              2326.     1213.        5.
S6 R10 82 EN              2236.     1208.        5.
S6 R11 NE COR             2145.     1207.        5.
S6 R12 82 NE              2164.     1292.        5.
S6 R13 164 NE             2179.     1375.        5.
S6 R14 SE COR FAY         2210.     1529.        5.
S6 R15 NE COR FAY         2220.     1608.        5.
S6 R16 NW COR FAY         2073.     1601.        5.
S6 R17 164 NW             2054.     1380.        5.
S6 R18 82 NW              2037.     1298.        5.
S6 R19 NW COR             2002.     1197.        5.
S6 R20 82 WN              1909.     1187.        5.
S6 R21 164 WN             1828.     1179.        5.
S6 R22 MID WN             1592.     1167.        5.
S6 R23 MID WS             1585.     1108.        5.
S6 R24 164 WS             1789.     1120.        5.
S6 R25 82 WS              1873.     1126.        5.
S6 R26 SW COR             1972.     1122.        5.
S6 R27 82 SW              1958.     1026.        5.
S6 R28 164 SW             1939.      947.        5.
S6 R29 MID SW             1911.      798.        5.
S5 R1 SE COR SARAT        2183.     2444.        5.
S5 R2 164 SE              2159.     2584.        5.
S5 R3 82 SE               2153.     2664.        5.
S5 R4 SE COR              2154.     2762.        5.
S5 R5 82 ES               2245.     2772.        5.
S5 R5 164 ES              2328.     2775.        5.
S5 R6 MID ES              2556.     2786.        5.
S5 R7 NE COR FRAN         2174.     3214.        5.
S5 R8 NW COR FRAN         1959.     3226.        5.
S5 R8 NE COR MUL          2152.     2825.        5.
S5 R8 NW COR MUL          2002.     2830.        5.
S5 R9  MID WS             1592.     2741.        5.
S5 R10 164 WS             1837.     2752.        5.
S5 R11 82 WS              1909.     2754.        5.
S5 R12 SW COR             2011.     2750.        5.
S5 R13 82 SW              2025.     2662.        5.
S5 R14 164 SW             2032.     2580.        5.
S5 R15 SW COR SARAT       2038.     2437.        5.
S5 R16 NE COR SARAT       2177.     2531.        5.
S5 R17 NW COR SARAT       2026.     2518.        5.
Site 5-6 BD 2035  PM                     92  1   0
  1
NB        MLK AP    AG  2135.   161.  2042.   443.   3405. 7.8  0. 56.   35.
  1
NB        MLK AP    AG  2042.   443.  2012.   664.   3405. 7.8  0. 56.   35.
  1
NB        MLK AP    AG  2012.   664.  2028.   856.   3405. 7.8  0. 56.   35.
  1
NB        MLK TR    AG  2028.   856.  2109.  1174.   3290. 7.8  0. 68.   35.
  2
NB        MLK TRQ   AG  2095.  1119.  2046.   925.      0. 48.   4
       150        73       3.0 3290   42.1 1492 1 3
  1
NB        MLK L     AG  2028.   856.  2017.   903.    115. 7.8  0. 32.   35.
  1
NB        MLK L     AG  2017.   903.  2089.  1173.    115. 7.8  0. 32.   35.
  2
NB        MLK LQ    AG  2074.  1117.  2025.   932.      0. 12.   1
       150        63       3.0  115   42.1   88 1 3
  1
NB        MLK D FAY AG  2109.  1174.  2145.  1344.   3180. 7.8  0. 56.   35.
  1
NB        MLK LTA FAAG  2145.  1344.  2173.  1566.   3180. 7.8  0. 68.   35.
  2
NB        MLK LTQ FAAG  2165.  1509.  2150.  1384.      0. 48.   4
       150        45       3.0 3180   42.1 1205 1 3
  1
NB        MLK D FAY AG  2173.  1566.  2188.  1656.   3510. 7.8  0. 56.   35.
  1
NB        MLK A SAR AG  2188.  1656.  2193.  1941.   3315. 7.8  0. 56.   35.
  1
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NB        MLK A SAR AG  2193.  1941.  2157.  2311.   3315. 7.8  0. 56.   35.
  1
NB        MLK TR SARAG  2157.  2311.  2139.  2484.   3240. 7.8  0. 56.   35.
  2
NB        MLK TRQ SAAG  2146.  2425.  2156.  2329.      0. 36.   3
       150        77       3.0 3240   42.1 1589 1 3
  1
NB        MLK L SAR AG  2157.  2311.  2131.  2365.     75. 7.8  0. 32.   35.
  1
NB        MLK L SAR AG  2131.  2365.  2119.  2484.     75. 7.8  0. 32.   35.
  2
NB        MLK LQ SARAG  2125.  2427.  2130.  2380.      0. 12.   1
       150        68       3.0   75   42.1  105 1 3
  1
NB        MLK A MUL AG  2139.  2484.  2117.  2791.   3205. 7.8  0. 56.   35.
  2
NB        MLK TRQ MUAG  2120.  2746.  2132.  2589.      0. 36.   3
       150        68       3.0 3205   42.1 1752 1 3
  1
NB        MLK A FRA AG  2117.  2791.  2116.  2956.   3575. 7.8  0. 56.   35.
  1
NB        MLK T A FRAG  2116.  2956.  2131.  3176.   3195. 7.8  0. 56.   35.
  2
NB        MLK TQ FRAAG  2128.  3130.  2123.  3053.      0. 36.   3
       150        58       3.0 3195   42.1 1784 1 3
  1
NB        MLK L A FRAG  2116.  2956.  2096.  3008.    380. 7.8  0. 32.   35.
  1
NB        MLK L QFRAAG  2096.  3008.  2105.  3170.    380. 7.8  0. 32.   35.
  2
NB        MLK LQ FRAAG  2103.  3132.  2097.  3039.      0. 12.   1
       150       117       3.0  380   42.1 1863 1 3
  1
NB        MLK D FRA AG  2131.  3176.  2153.  3319.   3210. 7.8  0. 56.   35.
  1
NB        MLK D FRA AG  2153.  3319.  2184.  3423.   3210. 7.8  0. 56.   35.
  1
NB        MLK D FRA AG  2184.  3423.  2254.  3560.   3210. 7.8  0. 56.   35.
  1
NB        MLK D FRA AG  2254.  3560.  2396.  3748.   3210. 7.8  0. 56.   35.
  1
SB        MLKTRAFRA AG  2341.  3759.  2244.  3658.   2390. 7.8  0. 56.   35.
  1
SB        MLKTAFRA  AG  2244.  3658.  2132.  3493.   1935. 7.8  0. 56.   35.
  1
SB        MLKTAFRA  AG  2132.  3493.  2064.  3332.   1935. 7.8  0. 56.   35.
  1
SB        MLKTAFRA  AG  2064.  3332.  2024.  3162.   1935. 7.8  0. 56.   35.
  2
SB        MLKTQFRA  AG  2034.  3206.  2056.  3297.      0. 36.   3
       150        91       3.0 1935   42.1 1582 1 3
  1
SB        MLKRFRA   AG  2244.  3658.  2135.  3562.    455. 7.8  0. 44.   35.
  1
SB        MLKRAFRA  AG  2135.  3562.  2040.  3397.    455. 7.8  0. 44.   35.
  1
SB        MLKRAFRA  AG  2040.  3397.  1976.  3186.    455. 7.8  0. 44.   35.
  2
SB        MLKRQFRA  AG  1985.  3217.  2013.  3310.      0. 24.   2
       150        91       3.0  455   42.1 1269 1 3
  1
SB        MLKDFRA   AG  2024.  3162.  2029.  3027.   2270. 7.8  0. 56.   35.
  1
SB        MLKTRMUL  AG  2029.  3027.  2042.  2797.   2195. 7.8  0. 56.   35.
  2
SB        MLKTRMUL  AG  2040.  2832.  2034.  2933.      0. 36.   3
       150        53       3.0 2195   42.1 1695 1 3
  1
SB        MLKLMUL   AG  2029.  3027.  2054.  2949.     75. 7.8  0. 32.   35.
  1
SB        MLKLMUL   AG  2054.  2949.  2064.  2802.     75. 7.8  0. 32.   35.
  2
SB        MLK LQ MULAG  2061.  2844.  2055.  2939.      0. 12.   1
       150        54       3.0   75   42.1   92 1 3
  1
SB        MLKASAR   AG  2042.  2797.  2055.  2668.   2185. 7.8  0. 56.   35.
  1
SB        MLKTRSAR  AG  2055.  2668.  2072.  2477.   2140. 7.8  0. 56.   35.
  2
SB        MLKTRSA   AG  2067.  2534.  2057.  2649.      0. 36.   3
       150        77       3.0 2140   42.1 1497 1 3
```

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  1
SB        MLKLASAR  AG  2055.  2668.  2080.  2629.     45. 7.8  0. 32.   35.
  1
SB        MLK LA SARAG  2080.  2629.  2095.  2483.     45. 7.8  0. 32.   35.
  2
SB        MLKLQSA   AG  2090.  2532.  2081.  2619.      0. 12.   1
       150        68       3.0   45   42.1   99 1 3
  1
SB        MLK A FAY AG  2072.  2477.  2125.  1886.   2425. 7.8  0. 56.   35.
  1
SB        MLKAFAY   AG  2125.  1886.  2117.  1558.   2425. 7.8  0. 56.   35.
  2
SB        MLKFAY    AG  2118.  1601.  2121.  1732.      0. 36.   3
       150        45       3.0 2425   42.1 1418 1 3
  1
SB        MLKABAL   AG  2117.  1558.  2089.  1397.   2965. 7.8  0. 56.   35.
  1
SB        MLKTRBAL  AG  2089.  1397.  2030.  1159.   2820. 7.8  0. 56.   35.
  2
SB        MLKTRQBA  AG  2045.  1220.  2071.  1325.      0. 36.   3
       150        73       3.0 2820   42.1 1369 1 3
  1
SB        MLKLBAL   AG  2089.  1397.  2096.  1330.    145. 7.8  0. 32.   35.
  1
SB        MLKLBAL   AG  2096.  1330.  2052.  1157.    145. 7.8  0. 32.   35.
  2
SB        MLKLBAL   AG  2068.  1221.  2094.  1321.      0. 12.   1
       150        63       3.0  145   42.1   84 1 3
  1
SB        MLK D BAL AG  2030.  1159.  1956.   881.   2230. 7.8  0. 56.   35.
  1
SB        MLK D BAL AG  1956.   881.  1942.   661.   2230. 7.8  0. 56.   35.
  1
SB        MLK D BAL AG  1942.   661.  1970.   406.   2230. 7.8  0. 56.   35.
  1
SB        MLK D BAL AG  1970.   406.  2079.   127.   2230. 7.8  0. 56.   35.
  1
EB        BALT      AG  1066.  1093.  2024.  1153.    785. 7.9  0. 44.   30.
  2
EB        BALT      AG  1968.  1149.  1831.  1141.      0. 24.   2
       150        92       3.0  785   42.1 1358 1 3
  1
EB        BALT D    AG  2030.  1159.  3081.  1213.    810. 7.9  0. 44.   30.
  1
WB        BALT      AG  2000.  1170.  1055.  1113.    195. 7.9  0. 32.   30.
  1
WB        FAY       AG  2969.  1609.  2152.  1562.   1495. 7.9  0. 68.   30.
  2
WB        FAY       AG  2225.  1566.  2468.  1580.      0. 48.   4
       150       105       3.0 1495   42.1 1282 1 3
  1
WB        FAY       AG  2152.  1562.  1122.  1513.    605. 7.9  0. 68.   30.
  1
EB        SAR       AG  1281.  2430.  2095.  2471.    150. 7.9  0. 32.   30.
  2
EB        SAR       AG  2022.  2467.  1857.  2459.      0. 12.   1
       150        88       3.0  150   42.1  465 1 3
  1
EB        SAR D     AG  2095.  2471.  3028.  2519.    250. 7.9  0. 32.   30.
  1
WB        SAR       AG  3038.  2535.  2143.  2498.    580. 7.9  0. 44.   30.
  2
WB        SAR       AG  2183.  2500.  2479.  2512.      0. 24.   2
       150        86       3.0  580   42.1 1119 1 3
  1
WB        SAR D     AG  2143.  2498.  1273.  2442.    365. 7.9  0. 32.   30.
  1
EB        MUL       AG  1074.  2750.  1751.  2780.   1590. 7.9  0. 44.   30.
  1
EB        MUL       AG  1751.  2780.  2089.  2793.   1590. 7.9  0. 68.   30.
  2
EB        MUL       AG  1989.  2789.  1849.  2784.      0. 48.   4
       150        97       3.0 1590   42.1 1517 1 3
  1
EB        MUL       AG  2089.  2793.  3078.  2844.   1425. 7.9  0. 44.   30.
  1
EB        US40      BR  1075.  2846.  2358.  2897.   1605. 7.8 15. 56.   35.
  1
EB        US40      BR  2358.  2897.  2794.  2848.   1605. 7.8 15. 56.   35.
  1
EB        US40      AG  2794.  2848.  3075.  2858.   1605. 7.8  0. 56.   35.
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  1
WB        US40      AG  2979.  3201.  2659.  3162.   1650. 7.8  0. 56.   35.
  1
WB        US40      BR  2659.  3162.  2329.  3087.   1650. 7.8  15  68   35.
  1
WB        US40      BR  2329.  3087.  1320.  3038.   1650. 7.8  15  68   35.
  1
WB        US40      BR  1320.  3038.  1073.  3002.   1650. 7.8  15  68   35.
  1
WB        FRANK     AG  2987.  3218.  2139.  3169.   1350. 7.9  0. 56.   30.
  2
WB        FRANK     AG  2183.  3171.  2404.  3184.      0. 36.   3
       150        92       3.0 1350   42.1 1555 1 3
  1
WB        FRANK     AG  2139.  3169.  1105.  3123.   1835. 7.9  0. 56.   30.
1.0   04  1000   0Y  5  0 72
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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 PM RUN: Site 5-6 BD 2035 PM
DATE: 09/19/2012 TIME: 13:02:24.98

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB MLK AP	*	2135.0	161.0	2042.0	443.0	*	297.	342.	AG	3405.	7.8	.0	56.0		
2. NB MLK AP	*	2042.0	443.0	2012.0	664.0	*	223.	352.	AG	3405.	7.8	.0	56.0		
3. NB MLK AP	*	2012.0	664.0	2028.0	856.0	*	193.	5.	AG	3405.	7.8	.0	56.0		
4. NB MLK TR	*	2028.0	856.0	2109.0	1174.0	*	328.	14.	AG	3290.	7.8	.0	68.0		
5. NB MLK TRQ	*	2095.0	1119.0	1722.6	-355.3	*	1521.	194.	AG	220.	100.0	.0	48.0	1.15	77.2
6. NB MLK L	*	2028.0	856.0	2017.0	903.0	*	48.	347.	AG	115.	7.8	.0	32.0		
7. NB MLK L	*	2017.0	903.0	2089.0	1173.0	*	279.	15.	AG	115.	7.8	.0	32.0		
8. NB MLK LQ	*	2074.0	1117.0	1874.2	362.5	*	780.	195.	AG	47.	100.0	.0	12.0	2.40	39.6
9. NB MLK D FAY	*	2109.0	1174.0	2145.0	1344.0	*	174.	12.	AG	3180.	7.8	.0	56.0		
10. NB MLK LTA FA	*	2145.0	1344.0	2173.0	1566.0	*	224.	7.	AG	3180.	7.8	.0	68.0		
11. NB MLK LTQ FA	*	2165.0	1509.0	2127.2	1193.6	*	318.	187.	AG	136.	100.0	.0	48.0	.99	16.1
12. NB MLK D FAY	*	2173.0	1566.0	2188.0	1656.0	*	91.	9.	AG	3510.	7.8	.0	56.0		
13. NB MLK A SAR	*	2188.0	1656.0	2193.0	1941.0	*	285.	1.	AG	3315.	7.8	.0	56.0		
14. NB MLK A SAR	*	2193.0	1941.0	2157.0	2311.0	*	372.	354.	AG	3315.	7.8	.0	56.0		
15. NB MLK TR SAR	*	2157.0	2311.0	2139.0	2484.0	*	174.	354.	AG	3240.	7.8	.0	56.0		
16. NB MLK TRQ SA	*	2146.0	2425.0	2580.4	-1745.7	*	4193.	174.	AG	174.	100.0	.0	36.0	1.50	213.0
17. NB MLK L SAR	*	2157.0	2311.0	2131.0	2365.0	*	60.	334.	AG	75.	7.8	.0	32.0		
18. NB MLK L SAR	*	2131.0	2365.0	2119.0	2484.0	*	120.	354.	AG	75.	7.8	.0	32.0		
19. NB MLK LQ SAR	*	2125.0	2427.0	2156.2	2133.7	*	295.	174.	AG	51.	100.0	.0	12.0	1.42	15.0
20. NB MLK A MUL	*	2139.0	2484.0	2117.0	2791.0	*	308.	356.	AG	3205.	7.8	.0	56.0		
21. NB MLK TRQ MU	*	2120.0	2746.0	2290.2	519.2	*	2233.	176.	AG	154.	100.0	.0	36.0	1.19	113.5
22. NB MLK A FRA	*	2117.0	2791.0	2116.0	2956.0	*	165.	360.	AG	3575.	7.8	.0	56.0		
23. NB MLK T A FR	*	2116.0	2956.0	2131.0	3176.0	*	221.	4.	AG	3195.	7.8	.0	56.0		
24. NB MLK TQ FRA	*	2128.0	3130.0	2075.9	2327.9	*	804.	184.	AG	131.	100.0	.0	36.0	1.03	40.8
25. NB MLK L A FR	*	2116.0	2956.0	2096.0	3008.0	*	56.	339.	AG	380.	7.8	.0	32.0		
26. NB MLK L QFRA	*	2096.0	3008.0	2105.0	3170.0	*	162.	3.	AG	380.	7.8	.0	32.0		
27. NB MLK LQ FRA	*	2103.0	3132.0	2060.1	2466.6	*	667.	184.	AG	88.	100.0	.0	12.0	1.10	33.9
28. NB MLK D FRA	*	2131.0	3176.0	2153.0	3319.0	*	145.	9.	AG	3210.	7.8	.0	56.0		
29. NB MLK D FRA	*	2153.0	3319.0	2184.0	3423.0	*	109.	17.	AG	3210.	7.8	.0	56.0		
30. NB MLK D FRA	*	2184.0	3423.0	2254.0	3560.0	*	154.	27.	AG	3210.	7.8	.0	56.0		
31. NB MLK D FRA	*	2254.0	3560.0	2396.0	3748.0	*	236.	37.	AG	3210.	7.8	.0	56.0		
32. SB MLKTRAFRA	*	2341.0	3759.0	2244.0	3658.0	*	140.	224.	AG	2390.	7.8	.0	56.0		
33. SB MLKTAFRA	*	2244.0	3658.0	2132.0	3493.0	*	199.	214.	AG	1935.	7.8	.0	56.0		
34. SB MLKTAFRA	*	2132.0	3493.0	2064.0	3332.0	*	175.	203.	AG	1935.	7.8	.0	56.0		
35. SB MLKTAFRA	*	2064.0	3332.0	2024.0	3162.0	*	175.	193.	AG	1935.	7.8	.0	56.0		
36. SB MLKTQFRA	*	2034.0	3206.0	2316.0	4372.5	*	1200.	14.	AG	206.	100.0	.0	36.0	1.13	61.0
37. SB MLKRFRA	*	2244.0	3658.0	2135.0	3562.0	*	145.	229.	AG	455.	7.8	.0	44.0		
38. SB MLKRAFRA	*	2135.0	3562.0	2040.0	3397.0	*	190.	210.	AG	455.	7.8	.0	44.0		
39. SB MLKRAFRA	*	2040.0	3397.0	1976.0	3186.0	*	220.	197.	AG	455.	7.8	.0	44.0		
40. SB MLKRQFRA	*	1985.0	3217.0	2017.6	3325.2	*	113.	17.	AG	137.	100.0	.0	24.0	.50	5.7
41. SB MLKDFRA	*	2024.0	3162.0	2029.0	3027.0	*	135.	178.	AG	2270.	7.8	.0	56.0		
42. SB MLKTRMUL	*	2029.0	3027.0	2042.0	2797.0	*	230.	177.	AG	2195.	7.8	.0	56.0		
43. SB MLKTRMUL	*	2040.0	2832.0	2027.4	3043.5	*	212.	357.	AG	120.	100.0	.0	36.0	.70	10.8
44. SB MLKLMUL	*	2029.0	3027.0	2054.0	2949.0	*	82.	162.	AG	75.	7.8	.0	32.0		

JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 PM RUN: Site 5-6 BD 2035 PM
DATE: 09/19/2012 TIME: 13:02:24.98

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB MLKLMUL	*	2054.0	2949.0	2064.0	2802.0	*	147.	176.	AG	75.	7.8	.0	32.0		
46. SB MLK LQ MUL	*	2061.0	2844.0	2044.1	3112.1	*	269.	356.	AG	41.	100.0	.0	12.0	1.36	13.6
47. SB MLKASAR	*	2042.0	2797.0	2055.0	2668.0	*	130.	174.	AG	2185.	7.8	.0	56.0		
48. SB MLKTRSAR	*	2055.0	2668.0	2072.0	2477.0	*	192.	175.	AG	2140.	7.8	.0	56.0		
49. SB MLKTRSA	*	2067.0	2534.0	1999.6	3308.7	*	778.	355.	AG	174.	100.0	.0	36.0	1.05	39.5
50. SB MLKLASAR	*	2055.0	2668.0	2080.0	2629.0	*	46.	147.	AG	45.	7.8	.0	32.0		
51. SB MLK LA SAR	*	2080.0	2629.0	2095.0	2483.0	*	147.	174.	AG	45.	7.8	.0	32.0		
52. SB MLKLQSA	*	2090.0	2532.0	2086.3	2567.5	*	36.	354.	AG	51.	100.0	.0	12.0	.90	1.8
53. SB MLK A FAY	*	2072.0	2477.0	2125.0	1886.0	*	593.	175.	AG	2425.	7.8	.0	56.0		
54. SB MLKAFAY	*	2125.0	1886.0	2117.0	1558.0	*	328.	181.	AG	2425.	7.8	.0	56.0		
55. SB MLKFAY	*	2118.0	1601.0	2122.7	1805.3	*	204.	1.	AG	102.	100.0	.0	36.0	.86	10.4
56. SB MLKABAL	*	2117.0	1558.0	2089.0	1397.0	*	163.	190.	AG	2965.	7.8	.0	56.0		
57. SB MLKTRBAL	*	2089.0	1397.0	2030.0	1159.0	*	245.	194.	AG	2820.	7.8	.0	56.0		
58. SB MLKTRQBA	*	2045.0	1220.0	2847.5	4460.9	*	3339.	14.	AG	165.	100.0	.0	36.0	1.43	169.6
59. SB MLKLBAL	*	2089.0	1397.0	2096.0	1330.0	*	67.	174.	AG	145.	7.8	.0	32.0		
60. SB MLKLBAL	*	2096.0	1330.0	2052.0	1157.0	*	179.	194.	AG	145.	7.8	.0	32.0		
61. SB MLKLBAL	*	2068.0	1221.0	2354.9	2324.5	*	1140.	15.	AG	47.	100.0	.0	12.0	3.22	57.9
62. SB MLK D BAL	*	2030.0	1159.0	1956.0	881.0	*	288.	195.	AG	2230.	7.8	.0	56.0		
63. SB MLK D BAL	*	1956.0	881.0	1942.0	661.0	*	220.	184.	AG	2230.	7.8	.0	56.0		
64. SB MLK D BAL	*	1942.0	661.0	1970.0	406.0	*	257.	174.	AG	2230.	7.8	.0	56.0		
65. SB MLK D BAL	*	1970.0	406.0	2079.0	127.0	*	300.	159.	AG	2230.	7.8	.0	56.0		

66. EB	BALT	*	1066.0	1093.0	2024.0	1153.0	*	960.	86.	AG	785.	7.9	.0	44.0	
67. EB	BALT	*	1968.0	1149.0	1761.7	1137.0	*	207.	267.	AG	139.	100.0	.0	24.0	.82 10.5
68. EB	BALT D	*	2030.0	1159.0	3081.0	1213.0	*	1052.	87.	AG	810.	7.9	.0	44.0	
69. WB	BALT	*	2000.0	1170.0	1055.0	1113.0	*	947.	267.	AG	195.	7.9	.0	32.0	
70. WB	FAY	*	2969.0	1609.0	2152.0	1562.0	*	818.	267.	AG	1495.	7.9	.0	68.0	
71. WB	FAY	*	2225.0	1566.0	2851.2	1602.1	*	627.	87.	AG	316.	100.0	.0	48.0	1.09 31.9
72. WB	FAY	*	2152.0	1562.0	1122.0	1513.0	*	1031.	267.	AG	605.	7.9	.0	68.0	
73. EB	SAR	*	1281.0	2430.0	2095.0	2471.0	*	815.	87.	AG	150.	7.9	.0	32.0	
74. EB	SAR	*	2022.0	2467.0	1931.3	2462.6	*	91.	267.	AG	66.	100.0	.0	12.0	.85 4.6
75. EB	SAR D	*	2095.0	2471.0	3028.0	2519.0	*	934.	87.	AG	250.	7.9	.0	32.0	
76. WB	SAR	*	3038.0	2535.0	2143.0	2498.0	*	896.	268.	AG	580.	7.9	.0	44.0	
77. WB	SAR	*	2183.0	2500.0	2319.3	2505.5	*	136.	88.	AG	129.	100.0	.0	24.0	.66 6.9
78. WB	SAR D	*	2143.0	2498.0	1273.0	2442.0	*	872.	266.	AG	365.	7.9	.0	32.0	
79. EB	MUL	*	1074.0	2750.0	1751.0	2780.0	*	678.	87.	AG	1590.	7.9	.0	44.0	
80. EB	MUL	*	1751.0	2780.0	2089.0	2793.0	*	338.	88.	AG	1590.	7.9	.0	68.0	
81. EB	MUL	*	1989.0	2789.0	1768.5	2781.1	*	221.	268.	AG	292.	100.0	.0	48.0	.82 11.2
82. EB	MUL	*	2089.0	2793.0	3078.0	2844.0	*	990.	87.	AG	1425.	7.9	.0	44.0	
83. EB	US40	*	1075.0	2846.0	2358.0	2897.0	*	1284.	88.	BR	1605.	7.8	15.0	56.0	
84. EB	US40	*	2358.0	2897.0	2794.0	2848.0	*	439.	96.	BR	1605.	7.8	15.0	56.0	
85. EB	US40	*	2794.0	2848.0	3075.0	2858.0	*	281.	88.	AG	1605.	7.8	.0	56.0	
86. WB	US40	*	2979.0	3201.0	2659.0	3162.0	*	322.	263.	AG	1650.	7.8	.0	56.0	
87. WB	US40	*	2659.0	3162.0	2329.0	3087.0	*	338.	257.	BR	1650.	7.8	15.0	68.0	
88. WB	US40	*	2329.0	3087.0	1320.0	3038.0	*	1010.	267.	BR	1650.	7.8	15.0	68.0	
89. WB	US40	*	1320.0	3038.0	1073.0	3002.0	*	250.	262.	BR	1650.	7.8	15.0	68.0	
90. WB	FRANK	*	2987.0	3218.0	2139.0	3169.0	*	849.	267.	AG	1350.	7.9	.0	56.0	
91. WB	FRANK	*	2183.0	3171.0	2417.5	3184.8	*	235.	87.	AG	208.	100.0	.0	36.0	.82 11.9
92. WB	FRANK	*	2139.0	3169.0	1105.0	3123.0	*	1035.	267.	AG	1835.	7.9	.0	56.0	

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 PM RUN: Site 5-6 BD 2035 PM
DATE: 09/19/2012 TIME: 13:02:24.98

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. NB MLK TRQ	*	150	73	3.0	3290	1492	42.10	1	3
8. NB MLK LQ	*	150	63	3.0	115	88	42.10	1	3
11. NB MLK LTQ FA	*	150	45	3.0	3180	1205	42.10	1	3
16. NB MLK TRQ SA	*	150	77	3.0	3240	1589	42.10	1	3
19. NB MLK LQ SAR	*	150	68	3.0	75	105	42.10	1	3
21. NB MLK TRQ MU	*	150	68	3.0	3205	1752	42.10	1	3
24. NB MLK TQ FRA	*	150	58	3.0	3195	1784	42.10	1	3
27. NB MLK LQ FRA	*	150	117	3.0	380	1863	42.10	1	3
36. SB MLKTQFRA	*	150	91	3.0	1935	1582	42.10	1	3
40. SB MLKRQFRA	*	150	91	3.0	455	1269	42.10	1	3
43. SB MLKTRMUL	*	150	53	3.0	2195	1695	42.10	1	3
46. SB MLK LQ MUL	*	150	54	3.0	75	92	42.10	1	3
49. SB MLKTRSA	*	150	77	3.0	2140	1497	42.10	1	3
52. SB MLKLQSA	*	150	68	3.0	45	99	42.10	1	3
55. SB MLKFAY	*	150	45	3.0	2425	1418	42.10	1	3
58. SB MLKTRQBA	*	150	73	3.0	2820	1369	42.10	1	3
61. SB MLKLBAL	*	150	63	3.0	145	84	42.10	1	3
67. EB BALT	*	150	92	3.0	785	1358	42.10	1	3
71. WB FAY	*	150	105	3.0	1495	1282	42.10	1	3
74. EB SAR	*	150	88	3.0	150	465	42.10	1	3
77. WB SAR	*	150	86	3.0	580	1119	42.10	1	3
81. EB MUL	*	150	97	3.0	1590	1517	42.10	1	3
91. WB FRANK	*	150	92	3.0	1350	1555	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z
1. S6 R1 SE MID	*	2067.0	801.0	5.0
2. S6 R2 SE COR RED	*	2092.0	968.0	5.0
3. S6 R3 82 SE	*	2112.0	1043.0	5.0
4. S6 R4 SE COR	*	2139.0	1143.0	5.0
5. S6 R5 82 ES	*	2237.0	1146.0	5.0
6. S6 R6 164 ES	*	2320.0	1149.0	5.0
7. S6 R7 MID ES	*	2537.0	1157.0	5.0
8. S6 R8 MID EN	*	2537.0	1229.0	5.0
9. S6 R9 164 EN	*	2326.0	1213.0	5.0
10. S6 R10 82 EN	*	2236.0	1208.0	5.0
11. S6 R11 NE COR	*	2145.0	1207.0	5.0
12. S6 R12 82 NE	*	2164.0	1292.0	5.0
13. S6 R13 164 NE	*	2179.0	1375.0	5.0
14. S6 R14 SE COR FAY	*	2210.0	1529.0	5.0
15. S6 R15 NE COR FAY	*	2220.0	1608.0	5.0
16. S6 R16 NW COR FAY	*	2073.0	1601.0	5.0
17. S6 R17 164 NW	*	2054.0	1380.0	5.0
18. S6 R18 82 NW	*	2037.0	1298.0	5.0
19. S6 R19 NW COR	*	2002.0	1197.0	5.0
20. S6 R20 82 WN	*	1909.0	1187.0	5.0
21. S6 R21 164 WN	*	1828.0	1179.0	5.0
22. S6 R22 MID WN	*	1592.0	1167.0	5.0

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 PM RUN: Site 5-6 BD 2035 PM
DATE: 09/19/2012 TIME: 13:02:24.98

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
23. S6 R23 MID WS	1585.0	1108.0	5.0
24. S6 R24 164 WS	1789.0	1120.0	5.0
25. S6 R25 82 WS	1873.0	1126.0	5.0
26. S6 R26 SW COR	1972.0	1122.0	5.0
27. S6 R27 82 SW	1958.0	1026.0	5.0
28. S6 R28 164 SW	1939.0	947.0	5.0
29. S6 R29 MID SW	1911.0	798.0	5.0
30. S5 R1 SE COR SARAT	2183.0	2444.0	5.0
31. S5 R2 164 SE	2159.0	2584.0	5.0
32. S5 R3 82 SE	2153.0	2664.0	5.0
33. S5 R4 SE COR	2154.0	2762.0	5.0
34. S5 R5 82 ES	2245.0	2772.0	5.0
35. S5 R5 164 ES	2328.0	2775.0	5.0
36. S5 R6 MID ES	2556.0	2786.0	5.0
37. S5 R7 NE COR FRAN	2174.0	3214.0	5.0
38. S5 R8 NW COR FRAN	1959.0	3226.0	5.0
39. S5 R8 NE COR MUL	2152.0	2825.0	5.0
40. S5 R8 NW COR MUL	2002.0	2830.0	5.0
41. S5 R9 MID WS	1592.0	2741.0	5.0
42. S5 R10 164 WS	1837.0	2752.0	5.0
43. S5 R11 82 WS	1909.0	2754.0	5.0
44. S5 R12 SW COR	2011.0	2750.0	5.0
45. S5 R13 82 SW	2025.0	2662.0	5.0
46. S5 R14 164 SW	2032.0	2580.0	5.0
47. S5 R15 SW COR SARAT	2038.0	2437.0	5.0
48. S5 R16 NE COR SARAT	2177.0	2531.0	5.0
49. S5 R17 NW COR SARAT	2026.0	2518.0	5.0

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 PM RUN: Site 5-6 BD 2035 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	2.0	3.0	3.0	3.0	2.9	1.0	.6	.4	.8	2.6	3.5	3.2	3.4	3.9	3.7	1.1	1.1	1.1	.7	.0
5.	1.9	2.8	3.1	3.1	2.5	.9	.6	.4	.6	2.5	3.4	3.3	3.1	3.7	3.1	1.2	1.6	1.6	1.2	.3
10.	1.6	2.7	2.6	2.3	2.2	.7	.5	.3	.5	2.2	3.2	2.8	2.7	3.3	2.7	1.6	2.1	1.9	1.5	.6
15.	1.4	2.2	1.9	2.2	2.1	.6	.5	.3	.4	1.9	2.4	2.2	2.2	2.7	2.1	1.8	2.8	2.6	1.9	.8
20.	.9	1.7	1.7	1.5	1.9	.5	.4	.3	.3	1.8	1.9	1.8	1.9	2.5	1.6	2.0	2.8	2.9	2.0	.9
25.	.7	1.5	1.4	1.3	1.8	.5	.4	.3	.3	1.6	1.7	1.6	1.5	2.4	1.3	2.1	2.7	3.1	2.3	.9
30.	.4	1.1	1.0	1.1	1.7	.5	.4	.3	.3	1.4	1.4	1.2	1.4	2.3	1.1	2.1	2.9	3.3	2.5	1.0
35.	.3	.9	.9	1.0	1.6	.5	.4	.2	.3	1.4	1.1	1.2	1.3	2.2	.9	2.2	3.1	2.8	2.3	1.1
40.	.3	.9	.8	.9	1.5	.4	.3	.2	.3	1.3	1.0	1.1	1.3	2.2	.8	2.1	2.8	3.0	2.4	1.1
45.	.3	.6	.8	1.0	1.4	.4	.2	.2	.3	1.3	.9	1.0	1.2	2.2	.8	2.0	2.9	2.8	2.4	1.2
50.	.2	.5	.7	.9	1.4	.5	.2	.0	.2	1.2	.9	.9	1.2	2.3	.7	1.9	2.6	2.8	2.3	1.3
55.	.2	.5	.7	.9	1.3	.4	.3	.0	.2	1.1	.9	.9	1.1	2.3	.7	1.9	2.8	2.6	2.2	1.3
60.	.2	.4	.6	.8	1.3	.3	.3	.0	.1	1.0	.8	.9	1.1	2.4	.7	1.9	2.6	2.6	2.0	1.4
65.	.2	.4	.6	.8	1.2	.3	.3	.0	.0	.9	.7	.9	1.1	2.5	.9	1.8	2.6	2.5	1.8	1.2
70.	.2	.4	.6	.8	1.1	.3	.3	.0	.0	.8	.7	.7	1.0	2.6	.8	2.0	2.6	2.4	1.6	1.0
75.	.2	.3	.6	.8	1.2	.3	.3	.0	.1	.9	.6	.6	1.0	2.5	1.1	2.1	2.4	2.3	1.4	1.1
80.	.2	.2	.5	.8	1.1	.3	.3	.1	.1	.9	.6	.5	.8	2.4	1.2	2.3	2.3	2.2	1.4	1.0
85.	.2	.2	.4	.7	1.1	.3	.2	.1	.1	.9	.6	.5	.7	2.3	1.5	2.2	2.2	2.1	1.5	1.0
90.	.2	.2	.4	.7	1.1	.2	.2	.1	.2	1.0	.7	.5	.6	2.0	1.8	2.4	2.1	2.1	1.5	.8
95.	.2	.2	.4	.6	1.0	.2	.1	.2	.2	1.0	.7	.6	.6	1.7	2.0	2.6	2.1	2.2	1.4	.9
100.	.2	.2	.4	.6	.9	.1	.1	.2	.2	1.0	.6	.6	.6	1.4	2.1	2.6	2.1	2.2	1.4	1.0
105.	.2	.2	.4	.5	1.0	.1	.1	.2	.2	1.0	.6	.6	.6	1.1	2.3	2.4	2.1	2.2	1.4	1.2
110.	.2	.2	.4	.5	1.0	.1	.0	.2	.2	1.0	.6	.6	.7	1.1	2.3	2.1	2.2	2.2	1.4	1.2
115.	.2	.2	.4	.5	.9	.0	.0	.2	.2	1.1	.6	.6	.7	1.0	2.1	2.0	2.2	2.2	1.5	1.2
120.	.2	.2	.4	.4	.9	.0	.0	.2	.2	1.1	.6	.6	.8	1.0	2.2	1.9	2.2	2.2	1.5	1.2
125.	.2	.4	.4	.4	.9	.0	.0	.2	.2	1.1	.6	.6	.9	1.1	2.1	2.1	2.3	2.2	1.4	1.3
130.	.2	.4	.4	.4	1.0	.0	.0	.2	.2	1.2	.6	.7	.9	1.1	2.1	1.8	2.4	2.1	1.4	1.3
135.	.2	.5	.5	.4	1.1	.0	.0	.2	.2	1.2	.7	.8	.8	1.2	2.1	1.9	2.3	2.1	1.5	1.4
140.	.2	.5	.5	.5	1.2	.0	.0	.2	.2	1.3	.7	.8	.9	1.3	2.2	1.9	2.3	2.2	1.5	1.3
145.	.2	.4	.5	.5	1.3	.0	.0	.2	.2	1.5	.8	.8	.9	1.4	2.3	1.9	2.5	2.4	1.8	1.4
150.	.2	.4	.5	.5	1.4	.0	.0	.2	.2	1.6	.8	.9	1.0	1.5	2.4	2.1	2.6	2.3	1.7	1.4
155.	.2	.4	.4	.5	1.5	.1	.0	.2	.2	1.7	.8	.9	1.0	1.7	2.5	2.2	2.5	2.4	1.8	1.3
160.	.2	.4	.4	.5	1.6	.1	.0	.2	.3	1.8	.9	.9	1.0	1.9	2.7	2.2	2.5	2.4	1.8	1.5
165.	.3	.3	.4	.5	1.7	.2	.0	.2	.4	1.9	.9	.9	1.2	2.0	2.8	2.4	2.6	2.4	1.8	1.5
170.	.3	.4	.4	.5	1.7	.5	.0	.2	.6	2.0	1.0	1.0	1.2	2.0	3.1	2.0	2.6	2.6	2.0	1.5
175.	.7	.7	.7	.5	1.6	.6	.1	.3	.7	1.9	1.0	1.1	1.5	2.2	3.3	1.7	2.3	2.3	2.1	1.2
180.	.7	.8	.9	.9	1.4	.7	.1	.3	.8	1.8	1.4	1.2	1.5	2.3	3.5	1.8	2.3	2.3	1.7	1.0
185.	1.0	1.3	1.1	1.1	1.4	.8	.1	.3	.9	1.6	1.8	1.7	1.8	2.3	3.5	1.4	2.0	2.1	1.4	.9
190.	1.2	1.7	1.7	1.4	1.3	.9	.2	.3	1.0	1.6	2.0	1.9	2.2	2.6	3.5	1.1	1.9	1.8	1.2	.6
195.	1.6	2.0	1.9	1.9	1.2	1.1	.2	.3	1.1	1.6	2.6	2.3	2.2	2.6	3.6	.7	1.2	1.4	.8	.6
200.	1.7	2.3	2.3	2.2	1.1	1.1	.2	.4	1.1	1.5	2.6	2.5	2.4	2.6	3.7	.5	1.0	1.1	.7	.5
205.	1.6	2.4	2.4	2.2	1.1	1.2	.3	.5	1.3	1.5	2.5	2.4	2.3	2.6	3.6	.1	.7	.9	.6	.5

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 PM RUN: Site 5-6 BD 2035 PM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	2.0	2.5	2.5	2.2	1.2	1.2	.3	.5	1.4	1.5	2.7	2.4	2.5	2.7	3.4	.1	.4	.6	.4	.6
215.	1.8	2.3	2.3	2.2	1.0	1.3	.3	.5	1.2	1.6	2.4	2.3	2.2	2.5	3.0	.1	.4	.4	.4	.6
220.	1.8	2.3	2.3	2.0	1.2	1.3	.3	.5	1.4	1.6	2.0	2.2	2.2	2.3	2.9	.1	.3	.4	.4	.6
225.	1.8	2.2	2.2	1.8	1.2	1.2	.3	.5	1.4	1.4	2.0	2.0	2.2	2.3	2.8	.2	.3	.3	.4	.6
230.	1.8	2.1	2.1	1.7	1.0	1.3	.4	.7	1.3	1.3	2.0	2.2	2.3	2.2	2.7	.2	.3	.3	.5	.6
235.	1.6	2.0	1.9	1.7	1.0	1.1	.5	.6	1.3	1.3	2.0	2.1	2.3	2.1	2.8	.2	.2	.3	.6	.6
240.	1.6	2.0	1.9	1.5	1.0	1.1	.4	.6	1.1	1.1	1.9	2.0	2.1	1.9	2.5	.2	.2	.3	.6	.6
245.	1.5	1.9	1.8	1.4	1.0	1.2	.4	.7	1.1	1.1	1.9	1.9	2.1	1.9	2.6	.2	.2	.3	.6	.6
250.	1.5	1.8	1.8	1.4	1.0	1.2	.6	.7	1.3	1.3	1.9	1.9	1.9	1.9	2.4	.2	.0	.2	.5	.5
255.	1.5	1.7	1.7	1.5	1.0	1.1	.6	.7	1.4	1.4	1.8	1.8	1.8	1.9	2.4	.2	.0	.2	.5	.5
260.	1.5	1.6	1.6	1.3	1.2	1.3	.6	.6	1.1	1.2	1.9	1.7	1.8	1.9	2.2	.2	.0	.0	.5	.4
265.	1.5	1.6	1.6	1.5	1.3	1.3	.7	.6	1.1	1.2	1.7	1.6	1.8	1.9	2.3	.2	.0	.0	.3	.3
270.	1.5	1.6	1.7	1.4	1.4	1.5	.7	.5	1.2	1.3	1.8	1.7	1.9	1.9	2.3	.1	.0	.0	.2	.2
275.	1.5	1.7	1.8	1.3	1.2	1.4	.8	.7	1.2	1.0	1.7	1.9	1.8	2.1	2.3	.1	.0	.0	.1	.1
280.	1.5	1.7	1.9	1.6	1.1	1.3	.7	.6	1.1	1.1	1.6	1.9	1.9	2.0	2.2	.1	.0	.0	.0	.0
285.	1.5	1.8	1.9	1.6	1.1	1.5	.9	.7	1.1	1.1	1.6	1.8	1.9	1.9	2.2	.0	.0	.0	.0	.0
290.	1.5	1.8	1.9	1.5	1.2	1.4	.9	.7	1.0	1.1	1.7	1.8	1.9	2.0	2.2	.0	.1	.0	.0	.0
295.	1.5	1.8	1.8	1.4	1.2	1.4	1.0	.6	1.2	1.1	1.8	1.8	1.9	2.0	2.3	.0	.1	.0	.0	.0
300.	1.6	1.8	1.8	1.5	1.3	1.4	.8	.6	1.2	1.2	1.7	1.7	2.0	2.0	2.3	.0	.1	.0	.0	.0
305.	1.5	1.8	1.8	1.4	1.3	1.6	.8	.5	1.2	1.2	1.8	1.8	1.9	2.2	2.3	.0	.1	.0	.0	.0
310.	1.6	1.8	1.9	1.5	1.4	1.6	.7	.6	1.2	1.3	1.8	2.0	1.9	2.2	2.4	.0	.1	.1	.0	.0
315.	1.6	1.9	1.9	1.4	1.3	1.6	.6	.7	1.3	1.5	1.9	2.0	1.9	2.2	2.5	.0	.1	.1	.0	.0
320.	1.7	2.0	1.8	1.6	1.6	1.6	.8	.7	1.2	1.3	1.9	2.0	2.2	2.2	2.8	.0	.1	.1	.0	.0
325.	1.6	1.9	1.7	1.7	1.5	1.5	.9	.7	1.3	1.6	2.1	2.2	2.1	2.5	2.8	.0	.1	.1	.0	.0
330.	1.7	2.0	2.0	1.6	1.5	1.7	.9	.8	1.3	1.7	2.3	2.2	2.3	2.7	3.2	.0	.1	.1	.0	.0
335.	1.7	2.0	2.1	1.9	2.1	1.7	1.0	.9	1.6	1.8	2.4	2.4	2.3	3.1	3.4	.0	.1	.1	.0	.0
340.	1.7	2.2	2.2	2.1	2.2	1.8	1.1	.9	1.6	2.1	2.5	2.6	2.6	3.3	3.7	.0	.0	.1	.0	.0
345.	1.9	2.3	2.2	2.3	2.4	1.7	.8	.6	1.6	2.3	2.9	2.7	2.9	3.6	4.0	.2	.1	.1	.0	.0
350.	1.9	2.3	2.5	2.7	2.8	1.8	.7	.4	1.4	2.6	3.2	3.0	3.1	4.0	4.1	.2	.5	.3	.1	.0
355.	1.8	2.8	2.6	2.8	2.8	1.4	.6	.4	1.1	3.0	3.4	3.2	3.3	3.9	4.0	.6	.7	.7	.2	.0
360.	2.0	3.0	3.0	3.0	2.9	1.0	.6	.4	.8	2.6	3.5	3.2	3.4	3.9	3.7	1.1	1.1	1.1	.7	.0
MAX	2.0	3.0	3.1	3.1	2.9	1.8	1.1	.9	1.6	3.0	3.5	3.3	3.4	4.0	4.1	2.6	3.1	3.3	2.5	1.5
DEGR.	0	0	5	5	0	340	340	335	340	355	0	5	0	350	350	95	35	30	30	160

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 PM RUN: Site 5-6 BD 2035 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	.0	.0	.2	.6	.7	.7	.5	.5	.4	1.5	1.9	1.8	1.6	.8	.7	.9	1.3	.1	1.5	1.7
5.	.0	.0	.2	.6	.8	1.1	.9	.7	.6	1.1	1.5	1.4	1.4	.8	.8	.9	1.2	.2	1.2	2.0
10.	.3	.0	.2	.7	1.1	1.6	1.5	.9	1.1	1.0	1.1	1.1	1.1	.8	.9	.9	1.1	.5	1.2	2.3
15.	.4	.0	.2	.9	1.4	1.6	1.7	1.6	1.5	.7	.7	.9	1.0	.7	.9	.7	.8	.7	.9	2.6
20.	.6	.1	.3	1.0	1.4	1.8	1.9	1.7	1.7	.7	.5	.6	.9	.8	.9	.7	.5	.9	.8	2.6
25.	.6	.3	.4	1.3	1.6	2.1	1.7	1.7	2.0	.7	.5	.6	.8	.8	.9	.7	.5	1.1	.7	2.5
30.	.7	.3	.5	1.3	1.6	1.9	1.7	1.8	1.8	.7	.5	.6	.8	.9	.9	.7	.3	1.6	.7	2.7
35.	.8	.3	.5	1.5	1.7	2.1	1.9	1.8	1.8	.8	.4	.6	.7	.9	1.0	.8	.2	1.6	.7	2.8
40.	1.0	.3	.5	1.5	1.9	1.9	2.0	2.0	1.8	.8	.5	.6	.8	1.0	1.0	.7	.1	1.9	.5	2.7
45.	1.0	.5	.6	1.6	2.0	1.8	1.7	1.7	1.8	.8	.5	.4	.8	1.0	1.0	.6	.1	2.0	.5	2.8
50.	1.0	.3	.7	1.9	1.9	1.9	1.8	1.7	1.7	.7	.4	.4	.8	.9	.9	.6	.1	2.0	.5	2.7
55.	1.0	.5	.8	1.8	1.9	1.8	1.6	1.7	1.6	.7	.4	.5	.8	.7	.8	.6	.1	2.0	.5	2.6
60.	1.0	.5	.9	1.9	1.9	1.6	1.7	1.6	1.5	.7	.4	.5	.7	.8	.9	.6	.1	2.0	.5	2.4
65.	1.0	.7	.9	1.7	1.8	1.5	1.4	1.6	1.5	.5	.3	.4	.7	.8	.9	.8	.1	1.8	.5	2.5
70.	.8	.6	1.1	1.6	1.8	1.5	1.5	1.5	1.5	.5	.2	.3	.7	.8	.9	.8	.2	1.9	.5	2.2
75.	.8	.6	1.0	1.5	1.6	1.3	1.5	1.4	1.5	.5	.2	.3	.7	.7	.8	.7	.3	1.8	.5	2.5
80.	.8	.6	1.0	1.5	1.4	1.5	1.5	1.4	1.5	.5	.1	.2	.6	.7	.8	.6	.4	1.9	.6	2.4
85.	.8	.7	1.0	1.5	1.5	1.4	1.4	1.4	1.4	.4	.1	.2	.6	.6	.7	.6	.5	1.9	.7	2.5
90.	1.0	.7	.9	1.2	1.3	1.2	1.4	1.4	1.5	.3	.2	.1	.5	.5	.6	.4	.8	2.0	.7	2.4
95.	1.1	.8	.9	1.1	1.2	1.2	1.4	1.4	1.5	.2	.2	.1	.3	.3	.4	.3	1.0	2.2	.7	2.5
100.	1.2	.9	.7	.9	1.1	1.3	1.4	1.4	1.5	.2	.2	.1	.2	.3	.3	.1	1.0	2.1	.7	2.3
105.	1.3	.9	.6	.8	1.0	1.2	1.4	1.4	1.5	.2	.2	.1	.2	.2	.3	.1	1.1	2.1	.6	2.2
110.	1.2	.9	.6	.8	.9	1.2	1.4	1.4	1.5	.2	.3	.2	.1	.2	.3	.0	1.1	2.0	.6	2.2
115.	1.2	.8	.6	.7	.9	1.3	1.4	1.3	1.5	.2	.4	.3	.1	.1	.2	.0	1.1	1.9	.6	2.1
120.	1.2	.8	.6	.7	.9	1.3	1.4	1.4	1.5	.2	.4	.3	.1	.1	.2	.0	1.4	2.1	.5	2.3
125.	1.3	.8	.4	.6	.8	1.3	1.4	1.4	1.4	.2	.4	.3	.1	.1	.2	.0	1.3	1.8	.5	2.3
130.	1.4	.6	.4	.6	.8	1.3	1.4	1.4	1.4	.2	.5	.3	.1	.1	.2	.0	1.3	1.8	.5	2.4
135.	1.4	.7	.5	.7	.8	1.3	1.4	1.4	1.4	.2	.5	.3	.1	.1	.2	.0	1.3	1.9	.5	2.5
140.	1.5	.7	.4	.7	.9	1.4	1.5	1.5	1.4	.2	.5	.3	.1	.2	.2	.0	1.1	2.0	.5	2.4
145.	1.2	.6	.3	.7	.9	1.4	1.5	1.5	1.6	.3	.4	.3	.2	.2	.2	.0	1.1	2.2	.5	2.4
150.	1.3	.4	.2	.7	.8	1.4	1.5	1.7	1.6	.3	.7	.6	.2	.2	.2	.0	1.0	2.3	.4	2.7
155.	1.4	.4	.2	.7	.9	1.4	1.7	1.8	1.7	.5	.9	.8	.4	.2	.2	.0	1.1	2.2	.6	2.9
160.	1.4	.3	.1	.8	.9	1.4	1.8	1.7	1.8	.8	1.2	1.1	.7	.3	.4	.0	1.0	2.3	.8	2.7
165.	1.4	.3	.1	.7	.9	1.6	1.9	1.9	1.7	1.1	1.7	1.5	1.0	.4	.4	.0	1.3	2.2	1.2	2.6
170.	1.2	.4	.1	.4	.9	1.6	2.0	2.0	1.4	1.6	2.4	2.0	1.4	.5	.5	.1	1.5	2.1	1.8	2.3
175.	.9	.4	.1	.2	.6	1.7	1.9	1.8	1.3	2.0	2.5	2.4	1.7	.8	.6	.1	1.6	2.0	2.1	2.1
180.	.7	.3	.0	.1	.3	1.3	1.6	1.5	1.1	2.5	3.0	2.8	1.9	1.0	.8	.2	2.0	1.6	2.3	1.4

185.	*	.7	.2	.0	.1	.2	1.2	1.3	1.2	.6	2.6	3.1	2.7	2.6	1.0	.6	.3	2.2	.9	2.7	1.2
190.	*	.7	.2	.0	.1	.1	.7	1.1	.9	.5	2.8	2.7	3.0	2.5	1.0	.8	.4	2.3	.8	2.6	.8
195.	*	.6	.2	.0	.0	.1	.5	.6	.6	.4	2.6	2.6	2.6	2.5	1.0	.8	.3	2.5	.7	2.5	.7
200.	*	.6	.2	.0	.0	.0	.3	.4	.3	.1	2.3	2.5	2.7	2.3	.9	.7	.5	2.5	.6	2.6	.7
205.	*	.6	.3	.0	.0	.0	.2	.3	.3	.1	2.4	2.4	2.6	2.3	1.0	.6	.6	2.5	.6	2.4	.8

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 PM RUN: Site 5-6 BD 2035 PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210.	*	.6	.3	.0	.0	.0	.0	.1	.2	.0	2.2	2.1	2.4	2.1	1.0	.6	.6	2.6	.5	2.3	.9
215.	*	.6	.3	.0	.0	.0	.0	.1	.0	.0	2.2	2.1	2.4	2.2	.9	.5	.6	2.5	.5	2.4	1.0
220.	*	.6	.3	.0	.0	.0	.0	.0	.0	.0	2.1	2.0	2.2	2.1	.9	.7	.7	2.4	.7	2.5	1.1
225.	*	.6	.3	.0	.0	.0	.0	.0	.0	.0	1.9	2.0	2.2	1.9	.9	.7	.6	2.1	.7	2.2	1.1
230.	*	.5	.3	.1	.0	.1	.0	.0	.0	.0	1.9	2.0	2.2	2.0	.9	.6	.6	1.9	.7	2.1	1.2
235.	*	.5	.3	.1	.1	.1	.0	.0	.0	.0	1.9	2.0	2.2	2.0	1.0	.6	.5	1.9	.8	2.3	1.2
240.	*	.5	.3	.1	.1	.1	.0	.0	.0	.0	1.9	2.0	2.2	1.7	1.0	.6	.5	2.1	.7	2.2	1.2
245.	*	.4	.3	.1	.1	.2	.0	.0	.0	.0	1.8	2.1	2.1	1.7	.9	.6	.5	2.0	.6	2.4	1.4
250.	*	.4	.3	.2	.2	.3	.1	.0	.0	.0	1.8	2.1	2.1	1.9	.9	.8	.7	2.0	.5	2.4	1.4
255.	*	.4	.3	.2	.2	.3	.2	.0	.0	.0	1.7	2.1	2.1	1.8	1.1	.9	.7	1.9	.4	2.6	1.3
260.	*	.3	.3	.3	.3	.5	.3	.0	.0	.0	1.7	2.1	2.2	2.1	1.2	1.0	.7	1.8	.4	2.6	1.2
265.	*	.3	.2	.3	.4	.7	.4	.0	.0	.0	1.5	2.1	2.2	2.2	1.6	1.3	1.1	1.7	.2	2.7	1.1
270.	*	.2	.1	.4	.5	.8	.6	.0	.0	.0	1.6	2.1	2.3	2.4	1.6	1.2	1.3	1.5	.2	2.6	.9
275.	*	.1	.1	.4	.5	.9	.6	.1	.0	.0	1.7	2.2	2.4	2.5	1.7	1.4	1.3	1.6	.1	2.6	.8
280.	*	.0	.0	.4	.6	.9	.7	.1	.0	.0	1.7	2.2	2.6	2.7	1.9	1.4	1.4	1.4	.1	2.3	.6
285.	*	.0	.0	.4	.6	1.1	.7	.1	.0	.0	1.6	2.3	2.6	2.5	1.6	1.6	1.5	1.4	.0	2.4	.6
290.	*	.0	.0	.3	.5	.9	.7	.1	.1	.0	1.7	2.4	2.6	2.7	1.9	1.5	1.5	1.3	.0	2.3	.6
295.	*	.0	.0	.3	.6	.9	.7	.2	.1	.0	2.0	2.5	2.6	2.7	1.7	1.4	1.4	1.3	.0	2.2	.5
300.	*	.0	.0	.3	.6	.9	.7	.2	.1	.0	2.3	2.5	2.8	2.8	1.6	1.4	1.2	1.3	.0	2.2	.5
305.	*	.0	.0	.3	.6	.9	.6	.2	.1	.0	2.1	2.8	2.9	2.6	1.7	1.5	1.3	1.2	.0	2.3	.5
310.	*	.0	.0	.3	.7	.8	.6	.2	.1	.0	2.2	2.8	3.1	2.5	1.7	1.3	1.2	1.1	.0	2.2	.5
315.	*	.0	.0	.2	.6	.7	.6	.2	.1	.0	2.4	3.0	3.1	2.6	1.8	1.3	1.2	1.2	.0	2.2	.4
320.	*	.0	.0	.2	.6	.7	.6	.2	.2	.0	2.6	3.2	3.2	2.7	1.8	1.2	1.1	1.2	.0	2.3	.4
325.	*	.0	.0	.2	.6	.7	.5	.2	.2	.0	2.7	3.3	3.0	2.5	1.6	1.1	1.0	1.3	.0	2.4	.4
330.	*	.0	.0	.2	.6	.7	.5	.2	.2	.0	2.8	3.2	3.2	2.7	1.6	1.1	1.1	1.2	.0	2.3	.4
335.	*	.0	.0	.2	.6	.7	.5	.2	.2	.0	2.7	3.2	3.2	2.6	1.2	.8	1.1	1.3	.0	2.6	.4
340.	*	.0	.0	.2	.6	.7	.5	.2	.2	.0	2.6	3.2	3.2	2.6	1.3	.9	1.1	1.3	.0	2.5	.6
345.	*	.0	.0	.2	.6	.7	.4	.2	.2	.0	2.7	3.3	2.9	2.7	1.0	.9	1.0	1.3	.0	2.3	.6
350.	*	.0	.0	.2	.6	.7	.4	.2	.3	.1	2.4	2.7	2.8	2.3	.9	.8	1.0	1.4	.0	2.3	1.1
355.	*	.0	.0	.2	.6	.7	.4	.3	.3	.3	1.9	2.4	2.2	1.9	.9	.8	.9	1.5	.0	2.1	1.3
360.	*	.0	.0	.2	.6	.7	.7	.5	.5	.4	1.5	1.9	1.8	1.6	.8	.7	.9	1.3	.1	1.5	1.7
MAX	*	1.5	.9	1.1	1.9	2.0	2.1	2.0	2.0	2.0	2.8	3.3	3.2	2.8	1.9	1.6	1.5	2.6	2.3	2.7	2.9
DEGR.	*	140	100	70	50	45	25	40	40	25	190	325	340	300	280	285	285	210	160	265	155

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JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 PM RUN: Site 5-6 BD 2035 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
0.	*	.7	1.6	1.8	2.1	2.6	2.3	2.2	1.2	1.8
5.	*	.7	1.7	1.8	2.5	2.4	2.5	2.4	.9	2.1
10.	*	.7	1.8	1.8	2.8	2.6	2.8	2.5	.5	2.2
15.	*	.7	1.7	2.1	2.7	2.6	3.0	2.5	.4	2.4
20.	*	.8	1.7	2.3	2.8	2.7	3.1	2.4	.3	2.4
25.	*	.8	2.0	2.3	2.8	2.7	2.6	2.5	.3	2.4
30.	*	.8	2.2	2.5	2.7	2.9	2.6	2.2	.3	2.4
35.	*	.9	2.3	2.6	2.8	2.5	2.8	2.1	.4	2.3
40.	*	1.0	2.3	2.8	2.9	2.5	2.6	1.8	.4	2.2
45.	*	1.1	2.6	2.8	2.6	2.3	2.3	1.8	.4	2.2
50.	*	1.1	2.6	2.9	2.4	2.2	2.3	1.8	.4	2.1
55.	*	1.1	2.6	2.8	2.4	2.2	2.4	1.6	.4	2.1
60.	*	1.3	2.5	2.6	2.4	2.3	2.3	1.8	.3	2.0
65.	*	1.4	2.3	2.4	2.3	2.3	2.3	1.9	.2	1.7
70.	*	1.4	2.2	2.4	2.5	2.3	2.2	1.7	.2	1.6
75.	*	1.5	2.3	2.5	2.3	2.2	2.1	1.8	.2	1.5
80.	*	1.4	2.3	2.2	2.3	2.2	2.1	1.8	.3	1.6
85.	*	1.4	1.9	2.0	2.4	2.1	2.0	1.8	.3	1.6
90.	*	1.0	1.6	1.9	2.0	2.1	2.1	1.6	.4	1.6
95.	*	.9	1.3	1.6	1.9	2.0	2.1	1.6	.5	1.7
100.	*	.8	1.2	1.4	1.9	2.0	2.2	1.6	.5	1.6
105.	*	.6	1.1	1.2	1.7	2.0	2.2	1.7	.6	1.7
110.	*	.5	1.0	1.2	1.9	2.2	2.2	1.7	.6	1.6
115.	*	.4	1.0	1.1	1.9	2.1	2.3	1.8	.6	1.5
120.	*	.2	.8	1.1	2.0	2.1	2.3	1.8	.6	1.6
125.	*	.4	.7	1.1	2.0	2.1	2.3	1.9	.6	1.7
130.	*	.5	.8	1.1	2.1	2.2	2.1	1.9	.6	1.6

135.	*	.5	1.0	1.0	2.1	2.2	2.4	2.0	.6	2.0
140.	*	.6	1.0	1.1	2.0	2.3	2.4	2.2	.5	2.1
145.	*	.6	.9	1.1	2.3	2.6	2.7	2.2	.7	2.1
150.	*	.4	.8	1.2	2.5	2.7	2.7	2.2	.7	2.2
155.	*	.2	.6	1.3	2.5	2.9	2.5	2.3	.7	2.0
160.	*	.2	.5	1.1	2.6	2.7	2.6	2.2	1.0	2.1
165.	*	.1	.5	.6	2.4	2.7	2.5	2.0	1.2	2.0
170.	*	.1	.3	.5	1.9	2.2	2.2	1.7	1.8	1.7
175.	*	.0	.2	.3	1.7	1.8	1.6	1.5	2.0	1.4
180.	*	.0	.0	.2	1.1	1.4	1.2	1.1	2.4	1.0
185.	*	.0	.0	.0	.6	.9	.8	.6	2.5	.6
190.	*	.0	.0	.0	.3	.3	.2	.3	2.5	.3
195.	*	.0	.0	.0	.0	.1	.2	.1	2.4	.3
200.	*	.0	.0	.0	.0	.1	.1	.1	2.1	.2
205.	*	.0	.0	.0	.0	.1	.1	.0	2.0	.2

1

JOB: Site 5-6 MLK & Mulberry/Balt BD 2035 PM RUN: Site 5-6 BD 2035 PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
210.	*	.0	.0	.0	.0	.1	.0	.0	1.7	.2
215.	*	.0	.0	.0	.0	.1	.0	.0	1.9	.2
220.	*	.0	.1	.0	.0	.0	.0	.0	1.7	.2
225.	*	.0	.1	.1	.0	.0	.0	.0	1.7	.2
230.	*	.0	.1	.1	.0	.0	.0	.0	1.8	.2
235.	*	.0	.1	.1	.0	.0	.0	.0	1.9	.2
240.	*	.0	.1	.1	.0	.0	.0	.0	1.7	.2
245.	*	.0	.1	.2	.1	.0	.0	.0	1.7	.1
250.	*	.1	.3	.2	.2	.0	.0	.0	1.7	.1
255.	*	.1	.3	.5	.3	.0	.0	.0	1.8	.1
260.	*	.2	.5	.6	.5	.0	.0	.0	1.7	.1
265.	*	.3	.6	.9	.6	.0	.0	.0	1.8	.1
270.	*	.4	1.0	1.3	1.0	.1	.0	.0	1.8	.1
275.	*	.6	1.1	1.4	1.2	.1	.1	.2	1.7	.0
280.	*	.6	1.2	1.5	1.3	.3	.1	.2	1.8	.0
285.	*	.6	1.5	1.7	1.6	.4	.2	.2	1.9	.1
290.	*	.7	1.5	1.8	1.6	.5	.2	.3	2.0	.2
295.	*	.7	1.5	2.0	1.7	.5	.3	.3	2.1	.2
300.	*	.7	1.7	1.9	1.6	.7	.3	.4	2.1	.2
305.	*	.7	1.8	1.9	1.5	.8	.4	.4	2.1	.3
310.	*	.8	1.7	1.8	1.5	.8	.6	.4	2.5	.3
315.	*	.7	1.7	1.8	1.4	.8	.6	.5	2.5	.4
320.	*	.8	1.7	1.7	1.2	.8	.6	.4	2.4	.5
325.	*	.7	1.7	1.7	1.2	.9	.7	.7	2.6	.6
330.	*	.7	1.5	1.6	1.0	.9	.7	.7	2.7	.6
335.	*	.7	1.5	1.5	1.0	.9	.8	.8	2.4	.6
340.	*	.7	1.5	1.5	1.1	1.1	.9	.8	2.4	.7
345.	*	.7	1.5	1.5	1.2	1.3	1.1	.9	2.2	.9
350.	*	.7	1.6	1.6	1.6	1.6	1.4	1.4	1.9	1.0
355.	*	.7	1.6	1.6	1.9	1.9	2.1	1.8	1.6	1.5
360.	*	.7	1.6	1.8	2.1	2.6	2.3	2.2	1.2	1.8
MAX	*	1.5	2.6	2.9	2.9	2.9	3.1	2.5	2.7	2.4
DEGR.	*	75	45	50	40	155	20	10	330	15

THE HIGHEST CONCENTRATION IS 4.10 PPM AT 350 DEGREES FROM REC15.
THE 2ND HIGHEST CONCENTRATION IS 4.00 PPM AT 350 DEGREES FROM REC14.
THE 3RD HIGHEST CONCENTRATION IS 3.50 PPM AT 0 DEGREES FROM REC11.

JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 AM RUN: Site 5-6 NB 2035 AM
DATE: 09/10/2012 TIME: 12:57:39.04

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB MLK AP	*	2135.0	161.0	2042.0	443.0	*	297.	342.	AG	3050.	7.9	.0	56.0		
2. NB MLK AP	*	2042.0	443.0	2012.0	664.0	*	223.	352.	AG	3050.	7.9	.0	56.0		
3. NB MLK AP	*	2012.0	664.0	2028.0	856.0	*	193.	5.	AG	3050.	7.9	.0	56.0		
4. NB MLK TR	*	2028.0	856.0	2109.0	1174.0	*	328.	14.	AG	2885.	7.9	.0	68.0		
5. NB MLK TRQ	*	2095.0	1119.0	2016.2	807.1	*	322.	194.	AG	211.	100.0	.0	48.0	.92	16.3
6. NB MLK L	*	2028.0	856.0	2017.0	903.0	*	48.	347.	AG	165.	7.9	.0	32.0		
7. NB MLK L	*	2017.0	903.0	2089.0	1173.0	*	279.	15.	AG	165.	7.9	.0	32.0		
8. NB MLK LQ	*	2074.0	1117.0	2061.3	1069.0	*	50.	195.	AG	41.	100.0	.0	12.0	.19	2.5
9. NB MLK D FAY	*	2109.0	1174.0	2145.0	1344.0	*	174.	12.	AG	2515.	7.9	.0	56.0		
10. NB MLK LTA FA	*	2145.0	1344.0	2173.0	1566.0	*	224.	7.	AG	2515.	7.9	.0	68.0		
11. NB MLK LTQ FA	*	2165.0	1509.0	2146.6	1355.6	*	155.	187.	AG	136.	100.0	.0	48.0	.75	7.8
12. NB MLK D FAY	*	2173.0	1566.0	2188.0	1656.0	*	91.	9.	AG	2665.	7.9	.0	56.0		
13. NB MLK A SAR	*	2188.0	1656.0	2193.0	1941.0	*	285.	1.	AG	2355.	7.9	.0	56.0		
14. NB MLK A SAR	*	2193.0	1941.0	2157.0	2311.0	*	372.	354.	AG	2355.	7.9	.0	56.0		
15. NB MLK TR SAR	*	2157.0	2311.0	2139.0	2484.0	*	174.	354.	AG	2275.	7.9	.0	56.0		
16. NB MLK TRQ SA	*	2146.0	2425.0	2173.9	2157.0	*	269.	174.	AG	147.	100.0	.0	36.0	.79	13.7
17. NB MLK L SAR	*	2157.0	2311.0	2131.0	2365.0	*	60.	334.	AG	80.	7.9	.0	32.0		
18. NB MLK L SAR	*	2131.0	2365.0	2119.0	2484.0	*	120.	354.	AG	80.	7.9	.0	32.0		
19. NB MLK LQ SAR	*	2125.0	2427.0	2162.4	2075.8	*	353.	174.	AG	40.	100.0	.0	12.0	1.54	17.9
20. NB MLK A MUL	*	2139.0	2484.0	2117.0	2791.0	*	308.	356.	AG	2150.	7.9	.0	56.0		
21. NB MLK TRQ MU	*	2120.0	2746.0	2140.0	2484.4	*	262.	176.	AG	151.	100.0	.0	36.0	.76	13.3
22. NB MLK A FRA	*	2117.0	2791.0	2116.0	2956.0	*	165.	360.	AG	2590.	7.9	.0	56.0		
23. NB MLK T A FR	*	2116.0	2956.0	2131.0	3176.0	*	221.	4.	AG	2430.	7.9	.0	56.0		
24. NB MLK TQ FRA	*	2128.0	3130.0	2112.2	2886.9	*	244.	184.	AG	124.	100.0	.0	36.0	.75	12.4
25. NB MLK L A FR	*	2116.0	2956.0	2096.0	3008.0	*	56.	339.	AG	160.	7.9	.0	32.0		
26. NB MLK L QFRA	*	2096.0	3008.0	2105.0	3170.0	*	162.	3.	AG	160.	7.9	.0	32.0		
27. NB MLK LQ FRA	*	2103.0	3132.0	2096.2	3027.2	*	105.	184.	AG	90.	100.0	.0	12.0	.65	5.3
28. NB MLK D FRA	*	2131.0	3176.0	2153.0	3319.0	*	145.	9.	AG	2435.	7.9	.0	56.0		
29. NB MLK D FRA	*	2153.0	3319.0	2184.0	3423.0	*	109.	17.	AG	2435.	7.9	.0	56.0		
30. NB MLK D FRA	*	2184.0	3423.0	2254.0	3560.0	*	154.	27.	AG	2435.	7.9	.0	56.0		
31. NB MLK D FRA	*	2254.0	3560.0	2396.0	3748.0	*	236.	37.	AG	2435.	7.9	.0	56.0		
32. SB MLKTRAFRA	*	2341.0	3759.0	2244.0	3658.0	*	140.	224.	AG	3295.	7.9	.0	56.0		
33. SB MLKTAFRA	*	2244.0	3658.0	2132.0	3493.0	*	199.	214.	AG	2995.	7.9	.0	56.0		
34. SB MLKTAFRA	*	2132.0	3493.0	2064.0	3332.0	*	175.	203.	AG	2995.	7.9	.0	56.0		
35. SB MLKTAFRA	*	2064.0	3332.0	2024.0	3162.0	*	175.	193.	AG	2995.	7.9	.0	56.0		
36. SB MLKTQFRA	*	2034.0	3206.0	2617.7	5620.4	*	2484.	14.	AG	167.	100.0	.0	36.0	1.24	126.2
37. SB MLKRFRA	*	2244.0	3658.0	2135.0	3562.0	*	145.	229.	AG	300.	7.9	.0	44.0		
38. SB MLKRAFRA	*	2135.0	3562.0	2040.0	3397.0	*	190.	210.	AG	300.	7.9	.0	44.0		
39. SB MLKRAFRA	*	2040.0	3397.0	1976.0	3186.0	*	220.	197.	AG	300.	7.9	.0	44.0		
40. SB MLKRQFRA	*	1985.0	3217.0	2002.5	3275.1	*	61.	17.	AG	111.	100.0	.0	24.0	.28	3.1
41. SB MLKDFRA	*	2024.0	3162.0	2029.0	3027.0	*	135.	178.	AG	3290.	7.9	.0	56.0		
42. SB MLKTRMUL	*	2029.0	3027.0	2042.0	2797.0	*	230.	177.	AG	3225.	7.9	.0	56.0		
43. SB MLKTRMUL	*	2040.0	2832.0	1983.5	3783.8	*	954.	357.	AG	111.	100.0	.0	36.0	1.05	48.4
44. SB MLKLMUL	*	2029.0	3027.0	2054.0	2949.0	*	82.	162.	AG	65.	7.9	.0	32.0		

JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 AM RUN: Site 5-6 NB 2035 AM
DATE: 09/10/2012 TIME: 12:57:39.04

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB MLKLMUL	*	2054.0	2949.0	2064.0	2802.0	*	147.	176.	AG	65.	7.9	.0	32.0		
46. SB MLK LQ MUL	*	2061.0	2844.0	2048.4	3044.2	*	201.	356.	AG	38.	100.0	.0	12.0	1.27	10.2
47. SB MLKASAR	*	2042.0	2797.0	2055.0	2668.0	*	130.	174.	AG	3385.	7.9	.0	56.0		
48. SB MLKTRSAR	*	2055.0	2668.0	2072.0	2477.0	*	192.	175.	AG	3120.	7.9	.0	56.0		
49. SB MLKTRSA	*	2067.0	2534.0	1884.7	4631.0	*	2105.	355.	AG	131.	100.0	.0	36.0	1.19	106.9
50. SB MLKLASAR	*	2055.0	2668.0	2080.0	2629.0	*	46.	147.	AG	265.	7.9	.0	32.0		
51. SB MLK LA SAR	*	2080.0	2629.0	2095.0	2483.0	*	147.	174.	AG	265.	7.9	.0	32.0		
52. SB MLKLQSA	*	2090.0	2532.0	1853.0	4823.0	*	2303.	354.	AG	32.	100.0	.0	12.0	4.82	117.0
53. SB MLK A FAY	*	2072.0	2477.0	2125.0	1886.0	*	593.	175.	AG	3255.	7.9	.0	56.0		
54. SB MLKAFAY	*	2125.0	1886.0	2117.0	1558.0	*	328.	181.	AG	3255.	7.9	.0	56.0		
55. SB MLKFAY	*	2118.0	1601.0	2160.1	3437.3	*	1837.	1.	AG	102.	100.0	.0	36.0	1.15	93.3
56. SB MLKABAL	*	2117.0	1558.0	2089.0	1397.0	*	163.	190.	AG	3440.	7.9	.0	56.0		
57. SB MLKTRBAL	*	2089.0	1397.0	2030.0	1159.0	*	245.	194.	AG	3185.	7.9	.0	56.0		
58. SB MLKTRQBA	*	2045.0	1220.0	2775.1	4168.6	*	3038.	14.	AG	158.	100.0	.0	36.0	1.31	154.3
59. SB MLKLBAL	*	2089.0	1397.0	2096.0	1330.0	*	67.	174.	AG	255.	7.9	.0	32.0		
60. SB MLKLBAL	*	2096.0	1330.0	2052.0	1157.0	*	179.	194.	AG	255.	7.9	.0	32.0		
61. SB MLKLBAL	*	2068.0	1221.0	2642.5	3430.5	*	2283.	15.	AG	41.	100.0	.0	12.0	5.20	116.0
62. SB MLK D BAL	*	2030.0	1159.0	1956.0	881.0	*	288.	195.	AG	3205.	7.9	.0	56.0		
63. SB MLK D BAL	*	1956.0	881.0	1942.0	661.0	*	220.	184.	AG	3205.	7.9	.0	56.0		
64. SB MLK D BAL	*	1942.0	661.0	1970.0	406.0	*	257.	174.	AG	3205.	7.9	.0	56.0		
65. SB MLK D BAL	*	1970.0	406.0	2079.0	127.0	*	300.	159.	AG	3205.	7.9	.0	56.0		

66. EB	BALT	*	1066.0	1093.0	2024.0	1153.0	*	960.	86.	AG	445.	7.8	.0	44.0		
67. EB	BALT	*	1968.0	1149.0	1846.8	1141.9	*	121.	267.	AG	151.	100.0	.0	24.0	.53	6.2
68. EB	BALT D	*	2030.0	1159.0	3081.0	1213.0	*	1052.	87.	AG	670.	7.8	.0	44.0		
69. WB	BALT	*	2000.0	1170.0	1055.0	1113.0	*	947.	267.	AG	290.	7.8	.0	32.0		
70. WB	FAY	*	2969.0	1609.0	2152.0	1562.0	*	818.	267.	AG	770.	7.8	.0	68.0		
71. WB	FAY	*	2225.0	1566.0	2335.1	1572.3	*	110.	87.	AG	316.	100.0	.0	48.0	.57	5.6
72. WB	FAY	*	2152.0	1562.0	1122.0	1513.0	*	1031.	267.	AG	415.	7.8	.0	68.0		
73. EB	SAR	*	1281.0	2430.0	2095.0	2471.0	*	815.	87.	AG	345.	7.8	.0	32.0		
74. EB	FAY	*	2022.0	2467.0	-249.8	2356.9	*	2274.	267.	AG	83.	100.0	.0	12.0	2.32	115.5
75. EB	SAR D	*	2095.0	2471.0	3028.0	2519.0	*	934.	87.	AG	675.	7.8	.0	44.0		
76. WB	SAR	*	3038.0	2535.0	2143.0	2498.0	*	896.	268.	AG	190.	7.8	.0	44.0		
77. WB	SAR	*	2183.0	2500.0	2224.5	2501.7	*	42.	88.	AG	120.	100.0	.0	24.0	.23	2.1
78. WB	SAR D	*	2143.0	2498.0	1273.0	2442.0	*	872.	266.	AG	225.	7.8	.0	32.0		
79. EB	MUL	*	1074.0	2750.0	1751.0	2780.0	*	678.	87.	AG	2265.	7.8	.0	44.0		
80. EB	MUL	*	1751.0	2780.0	2089.0	2793.0	*	338.	88.	AG	2265.	7.8	.0	68.0		
81. EB	MUL	*	1989.0	2789.0	-.3	2718.0	*	1991.	268.	AG	301.	100.0	.0	48.0	1.38	101.1
82. EB	MUL	*	2089.0	2793.0	3078.0	2844.0	*	990.	87.	AG	1910.	7.8	.0	44.0		
83. EB	US40	*	1075.0	2846.0	2358.0	2897.0	*	1284.	88.	BR	2145.	7.9	15.0	56.0		
84. EB	US40	*	2358.0	2897.0	2794.0	2848.0	*	439.	96.	BR	2145.	7.9	15.0	56.0		
85. EB	US40	*	2794.0	2848.0	3075.0	2858.0	*	281.	88.	AG	2145.	7.9	.0	56.0		
86. WB	US40	*	2979.0	3201.0	2659.0	3162.0	*	322.	263.	AG	1615.	7.9	.0	56.0		
87. WB	US40	*	2659.0	3162.0	2329.0	3087.0	*	338.	257.	BR	1615.	7.9	15.0	68.0		
88. WB	US40	*	2329.0	3087.0	1320.0	3038.0	*	1010.	267.	BR	1615.	7.9	15.0	68.0		
89. WB	US40	*	1320.0	3038.0	1073.0	3002.0	*	250.	262.	BR	1615.	7.9	15.0	68.0		
90. WB	FRANK	*	2987.0	3218.0	2139.0	3169.0	*	849.	267.	AG	705.	7.8	.0	56.0		
91. WB	FRANK	*	2183.0	3171.0	2319.0	3179.0	*	136.	87.	AG	239.	100.0	.0	36.0	.65	6.9
92. WB	FRANK	*	2139.0	3169.0	1105.0	3123.0	*	1035.	267.	AG	1900.	7.9	.0	56.0		

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 AM RUN: Site 5-6 NB 2035 AM
DATE: 09/10/2012 TIME: 12:57:39.04

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. NB MLK TRQ	*	150	70	3.0	2885	1570	42.10	1	3
8. NB MLK LQ	*	150	55	3.0	165	1486	42.10	1	3
11. NB MLK LTQ FA	*	150	45	3.0	2515	1253	42.10	1	3
16. NB MLK TRQ SA	*	150	65	3.0	2275	1800	42.10	1	3
19. NB MLK LQ SAR	*	150	53	3.0	80	86	42.10	1	3
21. NB MLK TRQ MU	*	150	67	3.0	2150	1800	42.10	1	3
24. NB MLK TQ FRA	*	150	55	3.0	2430	1800	42.10	1	3
27. NB MLK LQ FRA	*	150	120	3.0	160	1486	42.10	1	3
36. SB MLKTQFRA	*	150	74	3.0	2995	1700	42.10	1	3
40. SB MLKRQFRA	*	150	74	3.0	300	1148	42.10	1	3
43. SB MLKTRMUL	*	150	49	3.0	3225	1600	42.10	1	3
46. SB MLK LQ MUL	*	150	51	3.0	65	82	42.10	1	3
49. SB MLKTRSA	*	150	58	3.0	3120	1513	42.10	1	3
52. SB MLKLQSA	*	150	42	3.0	265	81	42.10	1	3
55. SB MLKFAY	*	150	45	3.0	3255	1416	42.10	1	3
58. SB MLKTRQBA	*	150	70	3.0	3185	1625	42.10	1	3
61. SB MLKLBAL	*	150	55	3.0	255	83	42.10	1	3
67. EB BALT	*	150	100	3.0	445	1398	42.10	1	3
71. WB FAY	*	150	105	3.0	770	1274	42.10	1	3
74. EB FAY	*	150	110	3.0	345	641	42.10	1	3
77. WB SAR	*	150	80	3.0	190	947	42.10	1	3
81. EB MUL	*	150	100	3.0	2265	1364	42.10	1	3
91. WB FRANK	*	150	106	3.0	705	1391	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. S6 R1 SE MID	*	2067.0	801.0	5.0	*
2. S6 R2 SE COR RED	*	2092.0	968.0	5.0	*
3. S6 R3 82 SE	*	2112.0	1043.0	5.0	*
4. S6 R4 SE COR	*	2139.0	1143.0	5.0	*
5. S6 R5 82 ES	*	2237.0	1146.0	5.0	*
6. S6 R6 164 ES	*	2320.0	1149.0	5.0	*
7. S6 R7 MID ES	*	2537.0	1157.0	5.0	*
8. S6 R8 MID EN	*	2537.0	1229.0	5.0	*
9. S6 R9 164 EN	*	2326.0	1213.0	5.0	*
10. S6 R10 82 EN	*	2236.0	1208.0	5.0	*
11. S6 R11 NE COR	*	2145.0	1207.0	5.0	*
12. S6 R12 82 NE	*	2164.0	1292.0	5.0	*
13. S6 R13 164 NE	*	2179.0	1375.0	5.0	*
14. S6 R14 SE COR FAY	*	2210.0	1529.0	5.0	*
15. S6 R15 NE COR FAY	*	2220.0	1608.0	5.0	*
16. S6 R16 NW COR FAY	*	2073.0	1601.0	5.0	*
17. S6 R17 164 NW	*	2054.0	1380.0	5.0	*
18. S6 R18 82 NW	*	2037.0	1298.0	5.0	*
19. S6 R19 NW COR	*	2002.0	1197.0	5.0	*
20. S6 R20 82 WN	*	1909.0	1187.0	5.0	*
21. S6 R21 164 WN	*	1828.0	1179.0	5.0	*
22. S6 R22 MID WN	*	1592.0	1167.0	5.0	*

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 AM RUN: Site 5-6 NB 2035 AM
DATE: 09/10/2012 TIME: 12:57:39.04

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
23. S6 R23 MID WS	1585.0	1108.0	5.0
24. S6 R24 164 WS	1789.0	1120.0	5.0
25. S6 R25 82 WS	1873.0	1126.0	5.0
26. S6 R26 SW COR	1972.0	1122.0	5.0
27. S6 R27 82 SW	1958.0	1026.0	5.0
28. S6 R28 164 SW	1939.0	947.0	5.0
29. S6 R29 MID SW	1911.0	798.0	5.0
30. S5 R1 SE COR SARAT	2183.0	2444.0	5.0
31. S5 R2 164 SE	2159.0	2584.0	5.0
32. S5 R3 82 SE	2153.0	2664.0	5.0
33. S5 R4 SE COR	2154.0	2762.0	5.0
34. S5 R5 82 ES	2245.0	2772.0	5.0
35. S5 R5 164 ES	2328.0	2775.0	5.0
36. S5 R6 MID ES	2556.0	2786.0	5.0
37. S5 R7 NE COR FRAN	2174.0	3214.0	5.0
38. S5 R8 NW COR FRAN	1959.0	3226.0	5.0
39. S5 R8 NE COR MUL	2152.0	2825.0	5.0
40. S5 R8 NW COR MUL	2002.0	2830.0	5.0
41. S5 R9 MID WS	1592.0	2741.0	5.0
42. S5 R10 164 WS	1837.0	2752.0	5.0
43. S5 R11 82 WS	1909.0	2754.0	5.0
44. S5 R12 SW COR	2011.0	2750.0	5.0
45. S5 R13 82 SW	2025.0	2662.0	5.0
46. S5 R14 164 SW	2032.0	2580.0	5.0
47. S5 R15 SW COR SARAT	2038.0	2437.0	5.0
48. S5 R16 NE COR SARAT	2177.0	2531.0	5.0
49. S5 R17 NW COR SARAT	2026.0	2518.0	5.0

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 AM RUN: Site 5-6 NB 2035 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	1.9	2.6	2.2	2.2	1.0	.4	.3	.1	.2	.8	2.1	2.4	2.4	1.8	1.3	1.0	1.1	1.0	.7	.1
5.	1.8	2.3	2.2	2.0	.6	.4	.3	.1	.2	.8	1.9	2.2	2.1	1.7	1.1	1.5	1.4	1.5	1.0	.3
10.	1.3	1.9	1.9	1.8	.4	.3	.2	.0	.1	.2	1.8	1.9	1.8	1.3	.7	1.5	1.7	2.1	1.4	.4
15.	.8	1.4	1.2	1.2	.4	.3	.2	.0	.1	.2	1.3	1.1	1.3	1.0	.4	1.7	2.5	2.3	1.8	.6
20.	.4	1.0	.9	.8	.2	.2	.2	.0	.0	.2	.8	.7	1.0	.9	.2	1.8	2.4	2.7	2.0	.7
25.	.2	.7	.6	.6	.2	.2	.2	.0	.0	.0	.6	.6	.8	.8	.1	2.0	2.5	2.6	2.1	.8
30.	.1	.3	.4	.3	.2	.2	.2	.0	.0	.0	.4	.3	.5	.8	.0	1.8	2.6	2.8	2.2	.7
35.	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.3	.5	.8	.0	1.9	2.6	2.5	2.1	.7
40.	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.3	.3	.9	.0	1.9	2.5	2.5	1.9	.7
45.	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.2	.3	.9	.0	1.6	2.4	2.3	1.9	.8
50.	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.2	.3	1.0	.0	1.5	2.4	2.5	1.6	.9
55.	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.1	.2	1.0	.0	1.5	2.3	2.2	1.4	.7
60.	.0	.2	.2	.3	.2	.2	.2	.0	.0	.0	.1	.1	.2	1.0	.0	1.4	2.3	2.0	1.3	.7
65.	.0	.2	.2	.3	.3	.3	.2	.0	.0	.0	.1	.0	.2	1.1	.0	1.5	2.2	2.0	1.3	.5
70.	.0	.1	.2	.3	.3	.3	.2	.0	.0	.0	.0	.0	.2	1.0	.0	1.4	2.1	1.8	1.2	.6
75.	.0	.0	.1	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.9	.1	1.6	2.0	1.7	1.2	.6
80.	.0	.0	.1	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	.8	.2	1.6	1.8	1.7	1.2	.6
85.	.0	.0	.0	.3	.3	.2	.2	.1	.1	.1	.1	.0	.0	.6	.4	1.6	1.9	1.7	1.2	.7
90.	.0	.0	.0	.2	.2	.2	.2	.1	.1	.1	.1	.0	.0	.5	.4	1.7	1.8	1.7	1.1	.7
95.	.0	.0	.0	.2	.2	.2	.1	.1	.2	.2	.2	.0	.0	.3	.6	1.8	1.7	1.7	1.2	.7
100.	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.2	.1	.0	.2	.7	1.7	1.9	1.8	1.3	.8
105.	.0	.0	.0	.1	.1	.1	.0	.2	.2	.2	.2	.1	.0	.1	.8	1.6	1.8	1.8	1.2	1.0
110.	.0	.0	.0	.1	.1	.0	.0	.2	.2	.2	.2	.1	.0	.0	.9	1.8	1.7	1.8	1.2	1.0
115.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.0	.0	.9	1.6	1.7	1.8	1.3	1.0
120.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.0	.0	1.0	1.6	1.6	1.8	1.3	1.0
125.	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.1	.0	.0	1.0	1.7	1.6	1.8	1.2	1.1
130.	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.1	.1	.0	.0	1.0	1.5	1.7	1.8	1.3	1.1
135.	.0	.1	.0	.0	.0	.0	.0	.1	.2	.2	.1	.1	.0	.0	1.0	1.5	1.7	1.9	1.4	1.2
140.	.0	.1	.1	.0	.0	.0	.0	.1	.1	.1	.1	.2	.0	.0	1.0	1.5	1.7	1.9	1.4	1.2
145.	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.1	.2	.0	.0	.9	1.5	1.8	1.8	1.5	1.2
150.	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.1	.2	.1	.0	.9	1.6	1.9	2.0	1.7	1.3
155.	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.1	.2	.1	.0	.8	1.6	2.0	2.0	1.5	1.3
160.	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.2	.2	.1	.0	.8	1.7	2.0	2.2	1.6	1.2
165.	.2	.1	.1	.1	.0	.0	.0	.1	.1	.1	.3	.2	.1	.1	.7	1.7	2.2	2.3	1.8	1.4
170.	.3	.2	.1	.1	.0	.0	.0	.1	.1	.1	.3	.3	.3	.1	.7	1.8	2.1	2.1	1.9	1.3
175.	.5	.7	.4	.3	.0	.0	.0	.1	.1	.1	.5	.5	.4	.1	.7	1.7	2.2	2.3	2.0	1.1
180.	.6	.8	.8	.5	.0	.0	.0	.1	.1	.1	.6	.6	.7	.5	1.0	1.5	2.4	2.5	1.9	.9
185.	.8	1.1	1.1	1.0	.0	.0	.0	.1	.1	.1	1.1	.8	.9	.7	1.2	1.2	2.1	2.2	1.5	.8
190.	1.0	1.4	1.5	1.3	.1	.0	.0	.1	.1	.1	1.5	1.2	1.2	1.1	1.6	1.0	1.7	1.8	1.3	.6
195.	1.1	1.6	1.6	1.5	.4	.1	.0	.1	.1	.6	1.9	1.5	1.7	1.3	1.7	.6	1.4	1.5	.7	.5
200.	1.0	1.7	1.8	1.8	.5	.1	.0	.1	.1	.7	1.9	1.8	1.8	1.6	2.1	.5	1.1	1.1	.8	.5
205.	1.1	2.0	2.2	1.9	.6	.3	.0	.1	.4	.8	2.0	1.8	1.7	1.7	2.2	.2	.7	.8	.7	.5

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 AM RUN: Site 5-6 NB 2035 AM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.0	1.9	2.1	1.9	.5	.3	.0	.1	.6	.9	2.0	1.7	1.8	1.7	2.0	.1	.6	.5	.4	.5
215.	1.1	2.1	2.1	1.9	.7	.5	.0	.1	.5	.9	1.8	1.5	1.8	1.9	1.8	.1	.3	.4	.4	.5
220.	1.2	2.0	2.2	1.9	.7	.4	.0	.1	.7	1.0	1.7	1.4	1.6	1.7	1.8	.1	.1	.3	.4	.5
225.	1.0	1.9	1.9	1.8	.8	.5	.0	.1	.8	1.0	1.7	1.2	1.7	1.7	1.8	.1	.1	.2	.4	.4
230.	1.1	1.9	1.9	1.6	.9	.7	.0	.4	.8	.9	1.5	1.4	1.7	1.7	1.6	.1	.1	.2	.4	.4
235.	1.1	1.9	1.9	1.6	.7	.6	.4	.5	.7	.9	1.4	1.3	1.6	1.7	1.5	.1	.1	.2	.4	.4
240.	1.0	1.8	1.8	1.5	.7	.5	.3	.5	.7	.9	1.3	1.4	1.6	1.6	1.7	.1	.1	.1	.4	.3
245.	.9	1.8	1.6	1.4	.7	.6	.3	.5	.6	.9	1.4	1.3	1.6	1.5	1.6	.1	.1	.1	.4	.3
250.	.9	1.7	1.7	1.3	.8	.6	.4	.5	.6	.8	1.5	1.2	1.5	1.5	1.6	.1	.1	.1	.4	.3
255.	1.0	1.6	1.7	1.3	.8	.6	.4	.4	.6	.6	1.4	1.2	1.6	1.3	1.6	.1	.0	.1	.4	.2
260.	1.0	1.5	1.6	1.4	.7	.5	.4	.4	.5	.6	1.4	1.2	1.6	1.4	1.4	.1	.0	.1	.3	.2
265.	1.0	1.6	1.6	1.4	.9	.7	.5	.5	.5	.7	1.2	1.2	1.6	1.5	1.5	.1	.0	.0	.3	.2
270.	1.1	1.6	1.6	1.3	.8	.7	.5	.3	.4	.7	1.1	1.2	1.6	1.6	1.5	.1	.0	.0	.2	.2
275.	1.1	1.7	1.7	1.4	.7	.6	.5	.2	.5	.5	1.1	1.2	1.6	1.5	1.4	.1	.0	.0	.0	.1
280.	1.2	1.7	1.7	1.5	.8	.6	.4	.3	.5	.6	1.2	1.3	1.6	1.5	1.4	.0	.0	.0	.0	.0
285.	1.2	1.7	1.9	1.3	.7	.6	.5	.4	.5	.6	1.2	1.3	1.6	1.4	1.4	.0	.0	.0	.0	.0
290.	1.4	1.7	1.9	1.3	.8	.6	.5	.4	.5	.6	1.2	1.2	1.6	1.4	1.4	.0	.0	.0	.0	.0
295.	1.4	1.7	1.9	1.3	.8	.7	.6	.3	.4	.6	1.2	1.2	1.6	1.5	1.4	.0	.0	.0	.0	.0
300.	1.4	1.6	1.6	1.2	.7	.7	.6	.3	.5	.6	1.2	1.2	1.7	1.4	1.5	.1	.0	.0	.0	.0
305.	1.4	1.7	1.6	1.3	.7	.5	.5	.4	.5	.6	1.2	1.2	1.6	1.6	1.5	.1	.0	.0	.0	.0
310.	1.5	1.8	1.7	1.2	.7	.7	.6	.5	.7	.7	1.2	1.4	1.7	1.7	1.5	.1	.1	.2	.0	.0
315.	1.5	1.7	1.7	1.5	.8	.8	.7	.5	.7	.8	1.4	1.4	1.8	1.7	1.7	.1	.1	.2	.1	.0
320.	1.6	1.8	1.7	1.5	.9	.9	.6	.4	.6	.8	1.4	1.7	1.9	1.7	1.6	.1	.1	.2	.1	.1
325.	1.6	1.9	1.8	1.6	1.0	1.0	.6	.6	.7	.8	1.4	1.6	2.1	1.8	1.9	.1	.1	.2	.1	.1
330.	1.6	2.0	2.0	1.6	1.0	.8	.7	.7	.6	1.0	1.4	1.8	2.2	2.1	1.8	.1	.1	.2	.1	.1
335.	1.7	2.0	2.0	1.7	1.0	.8	.7	.3	.8	1.1	1.7	1.9	2.3	2.1	1.9	.1	.1	.2	.1	.1
340.	1.8	2.2	2.1	1.6	1.2	.8	.5	.3	.7	1.1	1.9	2.0	2.5	2.2	2.0	.1	.1	.2	.1	.1
345.	1.7	2.1	2.1	1.7	1.2	.9	.4	.2	.7	1.0	2.1	2.2	2.6	2.2	1.9	.3	.2	.2	.1	.1
350.	1.8	2.2	2.4	2.0	1.1	.9	.3	.1	.6	1.0	2.2	2.4	2.6	2.2	1.8	.4	.6	.6	.1	.1
355.	1.6	2.7	2.3	2.1	1.2	.8	.3	.1	.5	1.0	2.1	2.4	2.6	2.2	1.7	.7	.6	.7	.3	.0
360.	1.9	2.6	2.2	2.2	1.0	.4	.3	.1	.2	.8	2.1	2.4	2.4	1.8	1.3	1.0	1.1	1.0	.7	.1
MAX	1.9	2.7	2.4	2.2	1.2	1.0	.7	.7	.8	1.1	2.2	2.4	2.6	2.2	2.2	2.0	2.6	2.8	2.2	1.4
DEGR.	0	355	350	0	345	325	315	330	335	340	350	0	345	340	205	25	30	30	30	165

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 AM RUN: Site 5-6 NB 2035 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	.0	.1	.3	.2	.7	.7	.6	.6	.4	1.4	2.3	2.3	2.2	1.1	.7	1.0	1.5	.6	2.4	2.2
5.	.1	.0	.2	.2	1.0	1.0	1.0	.9	.8	1.1	1.7	2.0	2.0	1.0	.9	.9	1.4	.8	1.9	2.7
10.	.3	.0	.2	.5	1.1	1.1	1.2	1.2	1.3	1.0	1.2	1.5	1.8	.9	.8	.9	1.3	.9	1.7	3.0
15.	.4	.0	.2	.5	1.1	1.3	1.5	1.5	1.4	.7	1.0	1.3	1.6	.7	.9	.7	.9	1.3	1.5	3.0
20.	.4	.2	.4	.6	1.3	1.5	1.6	1.7	1.7	.5	.6	.9	1.3	.8	.9	.7	.8	1.5	1.2	3.1
25.	.5	.2	.4	.6	1.3	1.7	1.6	1.7	1.7	.7	.5	.8	1.1	.9	.8	.7	.5	1.5	1.0	2.9
30.	.6	.2	.4	.6	1.3	1.6	1.7	1.8	1.8	.7	.5	.8	1.0	1.0	1.1	.8	.3	1.5	.8	2.8
35.	.5	.3	.4	.6	1.4	1.5	1.4	1.6	1.6	.7	.6	.8	1.0	1.0	1.1	.8	.2	1.8	.8	2.7
40.	.6	.2	.4	.7	1.4	1.3	1.6	1.7	1.6	.7	.4	.8	1.0	1.0	1.1	.8	.1	1.9	.7	2.6
45.	.6	.2	.4	.7	1.5	1.3	1.5	1.6	1.5	.7	.4	.7	1.0	1.0	1.0	.7	.1	2.1	.7	2.5
50.	.4	.2	.5	.8	1.5	1.2	1.6	1.4	1.5	.6	.4	.6	1.1	1.0	1.0	.8	.1	2.2	.7	2.6
55.	.5	.2	.6	.9	1.5	1.3	1.5	1.6	1.5	.6	.3	.5	.9	1.1	1.0	.9	.1	2.2	.7	2.5
60.	.5	.2	.5	1.0	1.4	1.2	1.4	1.7	1.4	.5	.3	.5	1.0	1.0	1.0	.9	.1	2.1	.9	2.4
65.	.5	.4	.5	.9	1.4	1.2	1.4	1.4	1.4	.5	.3	.5	1.0	1.0	1.0	.9	.1	2.1	.7	2.3
70.	.4	.2	.5	1.0	1.4	1.2	1.4	1.4	1.2	.4	.3	.5	.9	1.0	1.1	.9	.1	2.0	.7	2.5
75.	.4	.2	.4	.9	1.3	1.2	1.4	1.4	1.3	.4	.2	.5	.9	1.0	1.2	.9	.2	1.9	.8	2.3
80.	.6	.2	.5	.9	1.2	1.5	1.4	1.3	1.3	.4	.2	.4	.9	1.0	1.1	.8	.3	1.9	.9	2.4
85.	.8	.3	.5	.8	1.3	1.2	1.3	1.3	1.1	.3	.1	.3	.8	.8	.9	.7	.3	2.1	1.1	2.4
90.	.8	.5	.5	.9	1.1	1.1	1.3	1.3	1.1	.2	.1	.3	.7	.7	.8	.6	.6	2.1	1.1	2.3
95.	.9	.6	.4	.6	1.0	1.2	1.3	1.3	1.1	.2	.2	.2	.5	.4	.5	.4	.7	2.1	1.1	2.4
100.	.9	.5	.4	.7	.8	1.2	1.3	1.4	1.1	.2	.2	.2	.4	.3	.4	.2	.7	2.2	1.1	2.5
105.	1.0	.5	.4	.7	.8	1.1	1.4	1.4	1.0	.1	.2	.2	.3	.2	.3	.1	.8	2.3	.9	2.2
110.	1.0	.5	.4	.6	.8	1.1	1.3	1.4	1.0	.1	.2	.3	.2	.2	.3	.1	.9	2.4	.9	2.1
115.	1.0	.5	.3	.5	.7	1.1	1.3	1.3	1.0	.1	.2	.3	.2	.1	.2	.0	1.0	2.4	.8	2.1
120.	1.0	.5	.5	.5	.7	1.2	1.3	1.4	1.0	.1	.3	.4	.2	.1	.2	.0	1.3	2.2	.8	2.4
125.	1.0	.6	.3	.4	.7	1.2	1.3	1.4	1.1	.2	.3	.4	.2	.1	.2	.0	1.3	2.2	.9	2.2
130.	1.0	.6	.2	.4	.7	1.2	1.3	1.3	1.1	.2	.3	.4	.2	.1	.2	.0	1.3	2.3	.8	2.3
135.	1.0	.4	.2	.6	.7	1.3	1.3	1.5	1.2	.2	.4	.4	.2	.1	.2	.0	1.2	2.2	.8	2.3
140.	.8	.4	.3	.6	.8	1.3	1.5	1.4	1.3	.2	.4	.3	.2	.1	.2	.0	1.1	2.2	.8	2.4
145.	1.0	.4	.3	.5	.7	1.3	1.5	1.5	1.4	.2	.5	.3	.3	.2	.2	.0	1.1	2.2	.8	2.4
150.	1.0	.4	.1	.5	.7	1.3	1.5	1.6	1.3	.2	.5	.4	.4	.2	.2	.0	1.1	2.5	.9	2.6
155.	.9	.3	.1	.5	.7	1.4	1.5	1.7	1.4	.2	.6	.6	.5	.2	.2	.0	1.0	2.7	.8	2.6
160.	.9	.2	.0	.6	.8	1.4	1.6	1.7	1.5	.5	1.0	.8	.6	.2	.2	.0	1.0	2.2	1.0	2.6
165.	.8	.2	.0	.4	.9	1.5	1.8	1.8	1.4	.5	1.2	1.3	1.0	.2	.3	.0	1.0	2.2	1.3	2.6
170.	.6	.2	.0	.2	.8	1.6	1.8	1.7	1.2	.9	1.5	1.6	1.6	.2	.3	.0	1.2	2.2	1.8	2.2
175.	.4	.2	.0	.1	.6	1.5	1.9	1.7	1.1	1.3	1.9	2.0	1.9	.4	.3	.0	1.7	1.9	2.2	1.9
180.	.3	.2	.0	.0	.2	1.4	1.5	1.5	.8	1.7	2.5	2.5	2.3	.5	.3	.0	1.7	1.3	2.7	1.3

185. *	.2	.2	.0	.0	.2	1.2	1.4	1.2	.6	1.8	2.6	2.9	2.5	.6	.4	.0	2.4	1.0	2.9	1.2
190. *	.2	.2	.0	.0	.0	.8	1.0	.8	.3	2.0	2.7	2.7	2.6	.9	.5	.1	2.4	.7	2.8	1.1
195. *	.2	.2	.0	.0	.0	.4	.7	.7	.2	2.1	2.6	2.7	2.5	1.0	.6	.1	2.5	.7	2.7	.9
200. *	.2	.2	.0	.0	.0	.3	.4	.4	.1	1.9	2.6	2.6	2.4	.9	.7	.3	2.8	.8	2.5	.9
205. *	.2	.2	.0	.0	.0	.2	.3	.2	.0	1.8	2.2	2.5	2.1	.9	.7	.5	2.7	.8	2.4	1.0

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 AM RUN: Site 5-6 NB 2035 AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210. *	.2	.2	.0	.0	.0	.1	.2	.2	.0	1.8	2.1	2.4	2.2	.8	.6	.6	2.5	.8	2.4	1.1
215. *	.2	.2	.0	.0	.0	.0	.1	.1	.0	1.7	2.2	2.2	2.1	1.0	.6	.6	2.7	.8	2.3	1.1
220. *	.2	.2	.0	.0	.0	.0	.1	.1	.0	1.6	2.0	2.2	2.1	1.0	.5	.5	2.7	.8	2.3	1.3
225. *	.2	.2	.0	.0	.0	.0	.0	.1	.0	1.6	2.0	2.0	1.8	.8	.5	.5	2.8	.9	2.3	1.4
230. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.4	1.9	2.2	1.7	.9	.5	.5	2.6	1.0	2.1	1.4
235. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.3	2.0	2.2	1.8	.8	.6	.5	2.5	1.0	2.1	1.5
240. *	.2	.2	.0	.0	.1	.0	.0	.0	.0	1.3	2.0	2.1	1.7	.8	.7	.6	2.5	1.0	2.3	1.6
245. *	.2	.2	.1	.1	.1	.0	.0	.0	.0	1.3	1.8	2.0	1.8	.9	.7	.7	2.4	.8	2.4	1.7
250. *	.2	.2	.1	.1	.1	.0	.0	.0	.0	1.2	1.8	1.9	1.9	1.1	.8	.8	2.3	.7	2.6	1.8
255. *	.2	.2	.1	.1	.1	.2	.0	.0	.0	1.3	1.8	2.1	2.1	1.1	1.0	.9	2.2	.6	2.9	2.0
260. *	.2	.2	.2	.2	.2	.2	.0	.0	.0	1.3	2.1	2.2	2.2	1.6	1.3	1.3	2.1	.5	2.8	2.0
265. *	.2	.2	.2	.2	.3	.2	.0	.0	.0	1.1	2.3	2.3	2.6	1.9	1.4	1.5	2.1	.3	3.0	2.0
270. *	.2	.2	.3	.3	.4	.4	.0	.0	.0	1.5	2.4	2.4	2.7	2.1	1.9	1.7	1.8	.2	3.0	1.6
275. *	.1	.1	.3	.3	.5	.6	.0	.0	.0	1.5	2.3	2.6	2.8	1.9	1.9	1.8	1.8	.1	2.8	1.2
280. *	.0	.0	.3	.3	.5	.6	.0	.0	.0	1.5	2.5	2.5	2.8	1.9	1.8	1.8	1.7	.1	2.7	1.0
285. *	.0	.0	.3	.3	.5	.7	.0	.0	.0	1.7	2.4	2.5	2.7	2.1	1.8	1.8	1.6	.0	2.4	1.0
290. *	.0	.0	.3	.3	.6	.7	.0	.0	.0	1.6	2.5	2.7	2.8	2.1	1.9	1.6	1.5	.0	2.4	.8
295. *	.0	.0	.3	.3	.6	.6	.0	.0	.0	1.7	2.5	2.7	2.6	2.0	1.7	1.7	1.5	.0	2.2	.7
300. *	.0	.0	.3	.3	.6	.6	.0	.0	.0	1.9	2.7	3.0	2.7	1.8	1.6	1.6	1.6	.0	2.2	.6
305. *	.0	.0	.3	.3	.7	.6	.0	.0	.0	2.1	2.9	3.0	2.8	1.6	1.7	1.5	1.6	.0	2.1	.6
310. *	.0	.0	.2	.2	.6	.6	.1	.0	.0	1.9	2.8	2.9	2.5	1.7	1.7	1.5	1.7	.0	2.2	.6
315. *	.0	.0	.2	.2	.6	.6	.1	.0	.0	2.1	3.0	2.8	2.6	1.9	1.7	1.1	1.7	.0	2.5	.5
320. *	.1	.0	.2	.3	.7	.6	.2	.0	.0	2.4	3.0	3.0	2.5	1.8	1.6	1.3	1.7	.0	2.5	.5
325. *	.1	.1	.3	.3	.7	.6	.2	.1	.0	2.5	3.0	3.1	2.8	1.9	1.6	1.2	1.8	.0	2.7	.5
330. *	.1	.1	.3	.3	.8	.5	.2	.2	.1	2.5	2.9	3.0	2.9	1.9	1.5	1.1	1.9	.0	2.7	.5
335. *	.1	.1	.3	.3	.8	.5	.2	.3	.1	2.5	3.1	3.0	3.0	1.8	1.3	1.2	1.8	.0	2.9	.6
340. *	.1	.1	.3	.3	.8	.5	.2	.3	.1	2.4	3.2	3.3	3.1	1.8	1.3	1.1	1.8	.1	2.9	.8
345. *	.1	.1	.3	.3	.8	.4	.2	.3	.1	2.2	3.3	3.3	3.0	1.4	1.1	1.1	1.9	.1	2.9	1.1
350. *	.1	.1	.3	.3	.8	.4	.2	.2	.1	2.4	3.0	3.1	3.2	1.2	1.0	1.1	1.9	.3	2.9	1.4
355. *	.1	.1	.3	.3	.7	.3	.2	.2	.2	1.9	2.5	2.6	2.7	1.3	.9	1.1	1.7	.4	2.7	1.7
360. *	.0	.1	.3	.2	.7	.7	.6	.6	.4	1.4	2.3	2.3	2.2	1.1	.7	1.0	1.5	.6	2.4	2.2
MAX *	1.0	.6	.6	1.0	1.5	1.7	1.9	1.8	1.8	2.5	3.3	3.3	3.2	2.1	1.9	1.8	2.8	2.7	3.0	3.1
DEGR. *	105	95	55	60	45	25	175	165	30	330	345	340	350	270	270	275	225	155	265	20

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 AM RUN: Site 5-6 NB 2035 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
0. *	1.8	2.0	2.2	2.7	2.9	2.7	2.1	1.3	2.0
5. *	1.8	2.1	2.4	3.2	3.1	2.8	2.4	.8	2.2
10. *	1.8	2.1	2.5	3.5	3.0	3.0	2.5	.5	2.3
15. *	1.9	2.3	2.5	3.2	2.8	2.8	2.2	.4	2.5
20. *	1.9	2.3	2.6	3.0	3.1	3.0	2.3	.3	2.1
25. *	2.0	2.4	2.8	3.0	2.8	2.5	2.0	.3	2.0
30. *	2.0	2.6	2.7	2.9	2.7	2.5	2.1	.4	1.9
35. *	2.1	2.6	2.9	2.9	2.1	2.2	1.9	.4	1.8
40. *	2.3	2.8	2.9	2.9	2.3	2.2	1.9	.4	1.8
45. *	2.3	2.7	2.9	2.6	2.2	2.1	1.7	.4	1.8
50. *	2.3	3.0	2.9	2.5	2.1	2.1	1.8	.4	1.7
55. *	2.5	3.0	2.7	2.6	2.1	2.0	1.8	.4	1.7
60. *	2.4	2.8	2.7	2.5	2.2	2.0	1.6	.3	1.6
65. *	2.5	2.9	2.5	2.4	2.2	2.0	1.5	.2	1.6
70. *	2.5	2.8	2.6	2.3	2.2	2.0	1.5	.2	1.4
75. *	2.5	2.6	2.5	2.5	2.2	1.9	1.5	.2	1.4
80. *	2.2	2.6	2.3	2.4	2.1	2.0	1.3	.1	1.5
85. *	1.9	2.6	2.3	2.2	2.0	1.9	1.2	.2	1.5
90. *	1.6	1.9	1.9	2.2	2.0	1.9	1.3	.3	1.4
95. *	1.3	1.5	1.6	1.9	1.9	1.9	1.4	.3	1.3
100. *	.9	1.3	1.3	1.7	1.8	1.9	1.4	.4	1.3
105. *	.6	1.1	1.2	1.7	1.8	1.9	1.3	.4	1.4
110. *	.3	1.0	1.2	1.7	2.0	1.8	1.3	.4	1.4
115. *	.3	.9	1.0	1.7	2.0	1.9	1.3	.4	1.4
120. *	.2	.9	.9	1.7	2.0	2.0	1.4	.5	1.5
125. *	.1	.8	.9	1.9	2.0	1.8	1.5	.5	1.5
130. *	.2	.9	.9	2.0	2.0	1.8	1.5	.5	1.3

135.	*	.2	.8	1.0	1.9	2.0	2.1	1.6	.4	1.5
140.	*	.2	.6	1.0	2.0	2.0	2.1	1.7	.4	1.5
145.	*	.2	.8	1.0	2.1	2.2	2.0	1.8	.4	1.7
150.	*	.1	.6	1.0	2.1	2.2	2.0	1.7	.4	1.7
155.	*	.0	.5	.8	2.3	2.3	2.1	1.7	.5	1.6
160.	*	.0	.5	.6	2.2	2.2	1.9	1.8	.7	1.7
165.	*	.0	.2	.6	2.1	2.0	1.8	1.8	.9	1.4
170.	*	.0	.1	.4	1.8	2.0	1.8	1.4	1.0	1.4
175.	*	.0	.0	.1	1.3	1.6	1.4	1.1	1.4	1.2
180.	*	.0	.0	.1	.9	1.1	1.2	.8	1.6	.9
185.	*	.0	.0	.0	.5	.7	.6	.4	1.8	.6
190.	*	.0	.0	.0	.3	.4	.4	.2	1.8	.5
195.	*	.0	.0	.0	.2	.3	.3	.1	1.7	.4
200.	*	.0	.0	.0	.0	.1	.2	.1	1.8	.3
205.	*	.0	.0	.0	.0	.1	.2	.0	1.6	.3

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 AM RUN: Site 5-6 NB 2035 AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
210.	*	.0	.1	.1	.0	.2	.2	.0	1.6	.3
215.	*	.0	.1	.1	.0	.2	.2	.0	1.7	.3
220.	*	.0	.1	.1	.0	.2	.2	.0	1.5	.3
225.	*	.0	.1	.1	.0	.2	.2	.0	1.6	.3
230.	*	.0	.1	.1	.0	.2	.1	.0	1.6	.3
235.	*	.0	.2	.1	.0	.1	.1	.0	1.5	.3
240.	*	.1	.2	.2	.2	.1	.1	.0	1.6	.3
245.	*	.2	.3	.2	.3	.1	.1	.0	1.6	.4
250.	*	.3	.6	.6	.4	.1	.1	.0	1.6	.4
255.	*	.6	.9	.9	.6	.2	.1	.1	1.8	.4
260.	*	.9	1.3	1.2	.8	.2	.1	.1	1.9	.4
265.	*	1.3	1.7	1.7	1.3	.3	.2	.3	1.8	.3
270.	*	1.7	2.1	2.1	1.7	.4	.3	.4	1.8	.2
275.	*	2.1	2.3	2.5	2.0	.6	.3	.4	1.9	.3
280.	*	2.2	2.6	2.5	2.1	.8	.5	.5	1.8	.3
285.	*	2.2	2.5	2.5	2.0	.9	.5	.6	2.0	.3
290.	*	2.2	2.3	2.3	1.9	.8	.5	.6	2.1	.5
295.	*	2.1	2.2	2.4	1.9	.9	.5	.7	2.3	.5
300.	*	2.0	2.4	2.4	1.8	1.0	.6	.7	2.2	.5
305.	*	2.0	2.2	2.2	1.8	1.0	.7	.7	2.2	.4
310.	*	2.0	2.2	2.1	1.7	1.1	.9	.7	2.4	.5
315.	*	1.9	2.0	2.0	1.6	1.1	.8	.6	2.3	.6
320.	*	1.9	2.0	2.0	1.5	1.0	.9	.8	2.4	.6
325.	*	1.8	1.8	1.8	1.4	.9	.9	.8	2.4	.6
330.	*	1.8	1.8	1.8	1.3	.9	.8	.8	2.5	.6
335.	*	1.7	1.8	1.8	1.3	1.2	1.0	.9	2.5	.6
340.	*	1.7	1.8	1.8	1.5	1.2	1.2	.9	2.1	.9
345.	*	1.8	1.8	1.8	1.7	1.6	1.4	1.2	2.4	1.1
350.	*	1.8	1.8	1.9	2.0	1.8	1.7	1.4	2.1	1.2
355.	*	1.8	2.0	2.0	2.4	2.3	2.2	1.7	1.8	1.5
360.	*	1.8	2.0	2.2	2.7	2.9	2.7	2.1	1.3	2.0
MAX	*	2.5	3.0	2.9	3.5	3.1	3.0	2.5	2.5	2.5
DEGR.	*	70	50	45	10	5	10	10	330	15

THE HIGHEST CONCENTRATION IS 3.50 PPM AT 10 DEGREES FROM REC44.
THE 2ND HIGHEST CONCENTRATION IS 3.30 PPM AT 345 DEGREES FROM REC31.
THE 3RD HIGHEST CONCENTRATION IS 3.30 PPM AT 340 DEGREES FROM REC32.

```
Site 5-6 MLK & Mulberry/Baltimore EX AM 60.0321.0.0000.000490.30480000    1    1
S6 R1 SE MID             2067.      801.        5.
S6 R2 SE COR RED         2092.      968.        5.
S6 R3 82 SE              2112.     1043.        5.
S6 R4 SE COR             2139.     1143.        5.
S6 R5 82 ES              2237.     1146.        5.
S6 R6 164 ES             2320.     1149.        5.
S6 R7 MID ES             2537.     1157.        5.
S6 R8 MID EN             2537.     1229.        5.
S6 R9 164 EN             2326.     1213.        5.
S6 R10 82 EN             2236.     1208.        5.
S6 R11 NE COR            2145.     1207.        5.
S6 R12 82 NE             2164.     1292.        5.
S6 R13 164 NE            2179.     1375.        5.
S6 R14 SE COR FAY        2210.     1529.        5.
S6 R15 NE COR FAY        2220.     1608.        5.
S6 R16 NW COR FAY        2073.     1601.        5.
S6 R17 164 NW            2054.     1380.        5.
S6 R18 82 NW             2037.     1298.        5.
S6 R19 NW COR            2002.     1197.        5.
S6 R20 82 WN             1909.     1187.        5.
S6 R21 164 WN            1828.     1179.        5.
S6 R22 MID WN            1592.     1167.        5.
S6 R23 MID WS            1585.     1108.        5.
S6 R24 164 WS            1789.     1120.        5.
S6 R25 82 WS             1873.     1126.        5.
S6 R26 SW COR            1972.     1122.        5.
S6 R27 82 SW             1958.     1026.        5.
S6 R28 164 SW            1939.      947.        5.
S6 R29 MID SW            1911.      798.        5.
S5 R1 SE COR SARAT       2183.     2444.        5.
S5 R2 164 SE             2159.     2584.        5.
S5 R3 82 SE              2153.     2664.        5.
S5 R4 SE COR             2154.     2762.        5.
S5 R5 82 ES              2245.     2772.        5.
S5 R5 164 ES             2328.     2775.        5.
S5 R6 MID ES             2556.     2786.        5.
S5 R7 NE COR FRAN        2174.     3214.        5.
S5 R8 NW COR FRAN        1959.     3226.        5.
S5 R8 NE COR MUL         2152.     2825.        5.
S5 R8 NW COR MUL         2002.     2830.        5.
S5 R9  MID WS            1592.     2741.        5.
S5 R10 164 WS            1837.     2752.        5.
S5 R11 82 WS             1909.     2754.        5.
S5 R12 SW COR            2011.     2750.        5.
S5 R13 82 SW             2025.     2662.        5.
S5 R14 164 SW            2032.     2580.        5.
S5 R15 SW COR SARAT      2038.     2437.        5.
S5 R16 NE COR SARAT      2177.     2531.        5.
S5 R17 NW COR SARAT      2026.     2518.        5.
Site 5-6 Existing AM                    92  1   0
  1
NB        MLK AP    AG  2135.   161.  2042.   443.   2425.10.0  0. 56.   35.
  1
NB        MLK AP    AG  2042.   443.  2012.   664.   2425.10.0  0. 56.   35.
  1
NB        MLK AP    AG  2012.   664.  2028.   856.   2425.10.0  0. 56.   35.
  1
NB        MLK TR    AG  2028.   856.  2109.  1174.   2290.10.0  0. 68.   35.
  2
NB        MLK TRQ   AG  2095.  1119.  2046.   925.      0. 48.   4
       150        70       3.0 2290   56.4 1570 1 3
  1
NB        MLK L     AG  2028.   856.  2017.   903.    135.10.0  0. 32.   35.
  1
NB        MLK L     AG  2017.   903.  2089.  1173.    135.10.0  0. 32.   35.
  2
NB        MLK LQ    AG  2074.  1117.  2025.   932.      0. 12.   1
       150        55       3.0  135   56.4 1486 1 3
  1
NB        MLK D FAY AG  2109.  1174.  2145.  1344.   1965.10.0  0. 56.   35.
  1
NB        MLK LTA FAAG  2145.  1344.  2173.  1566.   1965.10.0  0. 68.   35.
  2
NB        MLK LTQ FAAG  2165.  1509.  2150.  1384.      0. 48.   4
       150        45       3.0 1965   56.4 1253 1 3
  1
NB        MLK D FAY AG  2173.  1566.  2188.  1656.   1075.10.0  0. 56.   35.
  1
NB        MLK A SAR AG  2188.  1656.  2193.  1941.   1830.10.0  0. 56.   35.
  1
NB        MLK A SAR AG  2193.  1941.  2157.  2311.   1830.10.0  0. 56.   35.
  1
NB        MLK TR SARAG  2157.  2311.  2139.  2484.   1805.10.0  0. 56.   35.
  2
NB        MLK TRQ SAAG  2146.  2425.  2156.  2329.      0. 36.   3
       150        65       3.0 1805   56.4 1800 1 3
  1
NB        MLK L SAR AG  2157.  2311.  2131.  2365.     25.10.0  0. 32.   35.
  1
NB        MLK L SAR AG  2131.  2365.  2119.  2484.     25.10.0  0. 32.   35.
  2
NB        MLK LQ SARAG  2125.  2427.  2130.  2380.      0. 12.   1
       150        52       3.0   25   56.4   86 1 3
  1
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NB        MLK A MUL AG  2139.  2484.  2117.  2791.   1650.10.0  0. 56.   35.
  2
NB        MLK TRQ MUAG  2120.  2746.  2132.  2589.      0. 36.   3
       150        67       3.0 1650   56.4 1800 1 3
  1
NB        MLK A FRA AG  2117.  2791.  2116.  2956.   1945.10.0  0. 56.   35.
  1
NB        MLK T A FRAG  2116.  2956.  2131.  3176.   1820.10.0  0. 56.   35.
  2
NB        MLK TQ FRAAG  2128.  3130.  2123.  3053.      0. 36.   3
       150        44       3.0 1820   56.4 1800 1 3
  1
NB        MLK L A FRAG  2116.  2956.  2096.  3008.    125.10.0  0. 32.   35.
  1
NB        MLK L QFRAAG  2096.  3008.  2105.  3170.    125.10.0  0. 32.   35.
  2
NB        MLK LQ FRAAG  2103.  3132.  2097.  3039.      0. 12.   1
       150       120       3.0  125   56.4 1486 1 3
  1
NB        MLK D FRA AG  2131.  3176.  2153.  3319.   1825.10.0  0. 56.   35.
  1
NB        MLK D FRA AG  2153.  3319.  2184.  3423.   1825.10.0  0. 56.   35.
  1
NB        MLK D FRA AG  2184.  3423.  2254.  3560.   1825.10.0  0. 56.   35.
  1
NB        MLK D FRA AG  2254.  3560.  2396.  3748.   1825.10.0  0. 56.   35.
  1
SB        MLKTRAFRA AG  2341.  3759.  2244.  3658.   2620.10.0  0. 56.   35.
  1
SB        MLKTAFRA  AG  2244.  3658.  2132.  3493.   2365.10.0  0. 56.   35.
  1
SB        MLKTAFRA  AG  2132.  3493.  2064.  3332.   2365.10.0  0. 56.   35.
  1
SB        MLKTAFRA  AG  2064.  3332.  2024.  3162.   2365.10.0  0. 56.   35.
  2
SB        MLKTQFRA  AG  2034.  3206.  2056.  3297.      0. 36.   3
       150        74       3.0 2365   56.4 1700 1 3
  1
SB        MLKRFRA   AG  2244.  3658.  2135.  3562.    255.10.0  0. 44.   35.
  1
SB        MLKRAFRA  AG  2135.  3562.  2040.  3397.    255.10.0  0. 44.   35.
  1
SB        MLKRAFRA  AG  2040.  3397.  1976.  3186.    255.10.0  0. 44.   35.
  2
SB        MLKRQFRA  AG  1985.  3217.  2013.  3310.      0. 24.   2
       150        74       3.0  255   56.4 1148 1 3
  1
SB        MLKDFRA   AG  2024.  3162.  2029.  3027.   2555.10.0  0. 56.   35.
  1
SB        MLKTRMUL  AG  2029.  3027.  2042.  2797.   2500.10.0  0. 56.   35.
  2
SB        MLKTRMUL  AG  2040.  2832.  2034.  2933.      0. 36.   3
       150        51       3.0 2500   56.4 1600 1 3
  1
SB        MLKLMUL   AG  2029.  3027.  2054.  2949.     55.10.0  0. 32.   35.
  1
SB        MLKLMUL   AG  2054.  2949.  2064.  2802.     55.10.0  0. 32.   35.
  2
SB        MLK LQ MULAG  2061.  2844.  2055.  2939.      0. 12.   1
       150        51       3.0   55   56.4   82 1 3
  1
SB        MLKASAR   AG  2042.  2797.  2055.  2668.   2720.10.0  0. 56.   35.
  1
SB        MLKTRSAR  AG  2055.  2668.  2072.  2477.   2420.10.0  0. 56.   35.
  2
SB        MLKTRSA   AG  2067.  2534.  2057.  2649.      0. 36.   3
       150        58       3.0 2420   56.4 1515 1 3
  1
SB        MLKLASAR  AG  2055.  2668.  2080.  2629.    210.10.0  0. 32.   35.
  1
SB        MLK LA SARAG  2080.  2629.  2095.  2483.    210.10.0  0. 32.   35.
  2
SB        MLKLQSA   AG  2090.  2532.  2081.  2619.      0. 12.   1
       150        42       3.0  210   56.4   81 1 3
  1
SB        MLK A FAY AG  2072.  2477.  2125.  1886.   2400.10.0  0. 56.   35.
  1
SB        MLKAFAY   AG  2125.  1886.  2117.  1558.   2425.10.0  0. 56.   35.
  2
SB        MLKFAY    AG  2118.  1601.  2121.  1732.      0. 36.   3
       150        45       3.0 2425   56.4 1417 1 3
  1
SB        MLKABAL   AG  2117.  1558.  2089.  1397.   2430.10.0  0. 56.   35.
  1
SB        MLKTRBAL  AG  2089.  1397.  2030.  1159.   2370.10.0  0. 56.   35.
  2
SB        MLKTRQBA  AG  2045.  1220.  2071.  1325.      0. 36.   3
       150        70       3.0 2370   56.4 1625 1 3
  1
SB        MLKLBAL   AG  2089.  1397.  2096.  1330.    160.10.0  0. 32.   35.
  1
SB        MLKLBAL   AG  2096.  1330.  2052.  1157.    160.10.0  0. 32.   35.
  2
SB        MLKLBAL   AG  2068.  1221.  2094.  1321.      0. 12.   1
       150        55       3.0  160   56.4   83 1 3
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  1
SB        MLK D BAL AG  2030.  1159.  1956.   881.   2330.10.0  0. 56.   35.
  1
SB        MLK D BAL AG  1956.   881.  1942.   661.   2330.10.0  0. 56.   35.
  1
SB        MLK D BAL AG  1942.   661.  1970.   406.   2330.10.0  0. 56.   35.
  1
SB        MLK D BAL AG  1970.   406.  2079.   127.   2330.10.0  0. 56.   35.
  1
EB        BALT      AG  1066.  1093.  2024.  1153.     16510.0  0. 44.   30.
  2
EB        BALT      AG  1968.  1149.  1831.  1141.      0. 24.   2
       150       100       3.0  165   56.4 1398 1 3
  1
EB        BALT D    AG  2030.  1159.  3081.  1213.    630.10.0  0. 44.   30.
  1
WB        BALT      AG  2000.  1170.  1055.  1113.    195.10.0  0. 32.   30.
  1
WB        FAY       AG  2969.  1609.  2152.  1562.    300.10.0  0. 68.   30.
  2
WB        FAY       AG  2225.  1566.  2468.  1580.      0. 48.   4
       150       104       3.0  300   56.4 1269 1 3
  1
WB        FAY       AG  2152.  1562.  1122.  1513.    190.10.0  0. 68.   30.
  1
EB        SAR       AG  1281.  2430.  2095.  2471.    230.10.0  0. 32.   30.
  2
EB        FAY       AG  2022.  2467.  1857.  2459.      0. 12.   1
       150       110       3.0  230   56.4 1321 1 3
  1
EB        SAR D     AG  2095.  2471.  3028.  2519.    590.10.0  0. 44.   30.
  1
WB        SAR       AG  3038.  2535.  2143.  2498.     95.10.0  0. 44.   30.
  2
WB        SAR       AG  2183.  2500.  2479.  2512.      0. 24.   2
       150       110       3.0   95   56.4 1101 1 3
  1
WB        SAR D     AG  2143.  2498.  1273.  2442.    130.10.0  0. 32.   30.
  1
EB        MUL       AG  1074.  2750.  1751.  2780.   1730.10.0  0. 44.   30.
  1
EB        MUL       AG  1751.  2780.  2089.  2793.   1730.10.0  0. 68.   30.
  2
EB        MUL       AG  1989.  2789.  1849.  2784.      0. 48.   4
       150       100       3.0 1730   56.4 1365 1 3
  1
EB        MUL       AG  2089.  2793.  3078.  2844.   1530.10.0  0. 44.   30.
  1
EB        US40      BR  1075.  2846.  2358.  2897.   1775.10.0 15. 56.   35.
  1
EB        US40      BR  2358.  2897.  2794.  2848.   1775.10.0 15. 56.   35.
  1
EB        US40      AG  2794.  2848.  3075.  2858.   1775.10.0  0. 56.   35.
  1
WB        US40      AG  2979.  3201.  2659.  3162.    765.10.0  0. 56.   35.
  1
WB        US40      BR  2659.  3162.  2329.  3087.    765.10.0  15  68   35.
  1
WB        US40      BR  2329.  3087.  1320.  3038.    765.10.0  15  68   35.
  1
WB        US40      BR  1320.  3038.  1073.  3002.    765.10.0  15  68   35.
  1
WB        FRANK     AG  2987.  3218.  2139.  3169.    600.10.0  0. 56.   30.
  2
WB        FRANK     AG  2183.  3171.  2404.  3184.      0. 36.   3
       150       106       3.0  600   56.4 1396 1 3
  1
WB        FRANK     AG  2139.  3169.  1105.  3123.    785.10.0  0. 56.   30.
1.0   04  1000   0Y  5  0 72
```

JOB: Site 5-6 MLK & Mulberry/Baltimore EX AM RUN: Site 5-6 Existing AM
DATE: 09/19/2012 TIME: 15:09:17.43

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	MLK AP	*	2135.0	161.0	2042.0	443.0	*	297.	342.	AG	2425.	10.0	.0	56.0		
2. NB	MLK AP	*	2042.0	443.0	2012.0	664.0	*	223.	352.	AG	2425.	10.0	.0	56.0		
3. NB	MLK AP	*	2012.0	664.0	2028.0	856.0	*	193.	5.	AG	2425.	10.0	.0	56.0		
4. NB	MLK TR	*	2028.0	856.0	2109.0	1174.0	*	328.	14.	AG	2290.	10.0	.0	68.0		
5. NB	MLK TRQ	*	2095.0	1119.0	2041.4	906.7	*	219.	194.	AG	282.	100.0	.0	48.0	.73	11.1
6. NB	MLK L	*	2028.0	856.0	2017.0	903.0	*	48.	347.	AG	135.	10.0	.0	32.0		
7. NB	MLK L	*	2017.0	903.0	2089.0	1173.0	*	279.	15.	AG	135.	10.0	.0	32.0		
8. NB	MLK LQ	*	2074.0	1117.0	2063.6	1077.8	*	41.	195.	AG	55.	100.0	.0	12.0	.15	2.1
9. NB	MLK D FAY	*	2109.0	1174.0	2145.0	1344.0	*	174.	12.	AG	1965.	10.0	.0	56.0		
10. NB	MLK LTA FA	*	2145.0	1344.0	2173.0	1566.0	*	224.	7.	AG	1965.	10.0	.0	68.0		
11. NB	MLK LTQ FA	*	2165.0	1509.0	2150.6	1389.0	*	121.	187.	AG	182.	100.0	.0	48.0	.59	6.1
12. NB	MLK D FAY	*	2173.0	1566.0	2188.0	1656.0	*	91.	9.	AG	1075.	10.0	.0	56.0		
13. NB	MLK A SAR	*	2188.0	1656.0	2193.0	1941.0	*	285.	1.	AG	1830.	10.0	.0	56.0		
14. NB	MLK A SAR	*	2193.0	1941.0	2157.0	2311.0	*	372.	354.	AG	1830.	10.0	.0	56.0		
15. NB	MLK TR SAR	*	2157.0	2311.0	2139.0	2484.0	*	174.	354.	AG	1805.	10.0	.0	56.0		
16. NB	MLK TRQ SA	*	2146.0	2425.0	2168.1	2212.5	*	214.	174.	AG	197.	100.0	.0	36.0	.63	10.9
17. NB	MLK L SAR	*	2157.0	2311.0	2131.0	2365.0	*	60.	334.	AG	25.	10.0	.0	32.0		
18. NB	MLK L SAR	*	2131.0	2365.0	2119.0	2484.0	*	120.	354.	AG	25.	10.0	.0	32.0		
19. NB	MLK LQ SAR	*	2125.0	2427.0	2125.8	2419.9	*	7.	174.	AG	52.	100.0	.0	12.0	.47	.4
20. NB	MLK A MUL	*	2139.0	2484.0	2117.0	2791.0	*	308.	356.	AG	1650.	10.0	.0	56.0		
21. NB	MLK TRQ MU	*	2120.0	2746.0	2135.4	2545.1	*	201.	176.	AG	203.	100.0	.0	36.0	.59	10.2
22. NB	MLK A FRA	*	2117.0	2791.0	2116.0	2956.0	*	165.	360.	AG	1945.	10.0	.0	56.0		
23. NB	MLK T A FR	*	2116.0	2956.0	2131.0	3176.0	*	221.	4.	AG	1820.	10.0	.0	56.0		
24. NB	MLK TQ FRA	*	2128.0	3130.0	2118.6	2984.5	*	146.	184.	AG	133.	100.0	.0	36.0	.50	7.4
25. NB	MLK L A FR	*	2116.0	2956.0	2096.0	3008.0	*	56.	339.	AG	125.	10.0	.0	32.0		
26. NB	MLK L QFRA	*	2096.0	3008.0	2105.0	3170.0	*	162.	3.	AG	125.	10.0	.0	32.0		
27. NB	MLK LQ FRA	*	2103.0	3132.0	2097.7	3050.1	*	82.	184.	AG	121.	100.0	.0	12.0	.51	4.2
28. NB	MLK D FRA	*	2131.0	3176.0	2153.0	3319.0	*	145.	9.	AG	1825.	10.0	.0	56.0		
29. NB	MLK D FRA	*	2153.0	3319.0	2184.0	3423.0	*	109.	17.	AG	1825.	10.0	.0	56.0		
30. NB	MLK D FRA	*	2184.0	3423.0	2254.0	3560.0	*	154.	27.	AG	1825.	10.0	.0	56.0		
31. NB	MLK D FRA	*	2254.0	3560.0	2396.0	3748.0	*	236.	37.	AG	1825.	10.0	.0	56.0		
32. SB	MLKTRAFRA	*	2341.0	3759.0	2244.0	3658.0	*	140.	224.	AG	2620.	10.0	.0	56.0		
33. SB	MLKTAFRA	*	2244.0	3658.0	2132.0	3493.0	*	199.	214.	AG	2365.	10.0	.0	56.0		
34. SB	MLKTAFRA	*	2132.0	3493.0	2064.0	3332.0	*	175.	203.	AG	2365.	10.0	.0	56.0		
35. SB	MLKTAFRA	*	2064.0	3332.0	2024.0	3162.0	*	175.	193.	AG	2365.	10.0	.0	56.0		
36. SB	MLKTQFRA	*	2034.0	3206.0	2134.2	3620.6	*	427.	14.	AG	224.	100.0	.0	36.0	.98	21.7
37. SB	MLKRFRA	*	2244.0	3658.0	2135.0	3562.0	*	145.	229.	AG	255.	10.0	.0	44.0		
38. SB	MLKRAFRA	*	2135.0	3562.0	2040.0	3397.0	*	190.	210.	AG	255.	10.0	.0	44.0		
39. SB	MLKRAFRA	*	2040.0	3397.0	1976.0	3186.0	*	220.	197.	AG	255.	10.0	.0	44.0		
40. SB	MLKRQFRA	*	1985.0	3217.0	1999.8	3266.2	*	51.	17.	AG	149.	100.0	.0	24.0	.23	2.6
41. SB	MLKDFRA	*	2024.0	3162.0	2029.0	3027.0	*	135.	178.	AG	2555.	10.0	.0	56.0		
42. SB	MLKTRMUL	*	2029.0	3027.0	2042.0	2797.0	*	230.	177.	AG	2500.	10.0	.0	56.0		
43. SB	MLKTRMUL	*	2040.0	2832.0	2026.2	3063.9	*	232.	357.	AG	154.	100.0	.0	36.0	.83	11.8
44. SB	MLKLMUL	*	2029.0	3027.0	2054.0	2949.0	*	82.	162.	AG	55.	10.0	.0	32.0		

JOB: Site 5-6 MLK & Mulberry/Baltimore EX AM RUN: Site 5-6 Existing AM
DATE: 09/19/2012 TIME: 15:09:17.43

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	MLKLMUL	*	2054.0	2949.0	2064.0	2802.0	*	147.	176.	AG	55.	10.0	.0	32.0		
46. SB	MLK LQ MUL	*	2061.0	2844.0	2055.2	2936.3	*	93.	356.	AG	51.	100.0	.0	12.0	1.08	4.7
47. SB	MLKASAR	*	2042.0	2797.0	2055.0	2668.0	*	130.	174.	AG	2720.	10.0	.0	56.0		
48. SB	MLKTRSAR	*	2055.0	2668.0	2072.0	2477.0	*	192.	175.	AG	2420.	10.0	.0	56.0		
49. SB	MLKTRSA	*	2067.0	2534.0	2041.1	2831.9	*	299.	355.	AG	175.	100.0	.0	36.0	.92	15.2
50. SB	MLKLASAR	*	2055.0	2668.0	2080.0	2629.0	*	46.	147.	AG	210.	10.0	.0	32.0		
51. SB	MLK LA SAR	*	2080.0	2629.0	2095.0	2483.0	*	147.	174.	AG	210.	10.0	.0	32.0		
52. SB	MLKLQSA	*	2090.0	2532.0	1913.8	4235.7	*	1713.	354.	AG	42.	100.0	.0	12.0	3.82	87.0
53. SB	MLK A FAY	*	2072.0	2477.0	2125.0	1886.0	*	593.	175.	AG	2400.	10.0	.0	56.0		
54. SB	MLKAFAY	*	2125.0	1886.0	2117.0	1558.0	*	328.	181.	AG	2425.	10.0	.0	56.0		
55. SB	MLKFAY	*	2118.0	1601.0	2122.7	1805.7	*	205.	1.	AG	136.	100.0	.0	36.0	.86	10.4
56. SB	MLKABAL	*	2117.0	1558.0	2089.0	1397.0	*	163.	190.	AG	2430.	10.0	.0	56.0		
57. SB	MLKTRBAL	*	2089.0	1397.0	2030.0	1159.0	*	245.	194.	AG	2370.	10.0	.0	56.0		
58. SB	MLKTRQBA	*	2045.0	1220.0	2141.4	1609.2	*	401.	14.	AG	212.	100.0	.0	36.0	.97	20.4
59. SB	MLKLBAL	*	2089.0	1397.0	2096.0	1330.0	*	67.	174.	AG	160.	10.0	.0	32.0		
60. SB	MLKLBAL	*	2096.0	1330.0	2052.0	1157.0	*	179.	194.	AG	160.	10.0	.0	32.0		
61. SB	MLKLBAL	*	2068.0	1221.0	2383.2	2433.5	*	1253.	15.	AG	55.	100.0	.0	12.0	3.27	63.6
62. SB	MLK D BAL	*	2030.0	1159.0	1956.0	881.0	*	288.	195.	AG	2330.	10.0	.0	56.0		
63. SB	MLK D BAL	*	1956.0	881.0	1942.0	661.0	*	220.	184.	AG	2330.	10.0	.0	56.0		
64. SB	MLK D BAL	*	1942.0	661.0	1970.0	406.0	*	257.	174.	AG	2330.	10.0	.0	56.0		
65. SB	MLK D BAL	*	1970.0	406.0	2079.0	127.0	*	300.	159.	AG	2330.	10.0	.0	56.0		

66. EB	BALT	*	1066.0	1093.0	2024.0	1153.0	*	960.	86.	AG	165.	10.0	.0	44.0		
67. EB	BALT	*	1968.0	1149.0	1923.2	1146.4	*	45.	267.	AG	202.	100.0	.0	24.0	.20	2.3
68. EB	BALT D	*	2030.0	1159.0	3081.0	1213.0	*	1052.	87.	AG	630.	10.0	.0	44.0		
69. WB	BALT	*	2000.0	1170.0	1055.0	1113.0	*	947.	267.	AG	195.	10.0	.0	32.0		
70. WB	FAY	*	2969.0	1609.0	2152.0	1562.0	*	818.	267.	AG	300.	10.0	.0	68.0		
71. WB	FAY	*	2225.0	1566.0	2267.6	1568.5	*	43.	87.	AG	420.	100.0	.0	48.0	.22	2.2
72. WB	FAY	*	2152.0	1562.0	1122.0	1513.0	*	1031.	267.	AG	190.	10.0	.0	68.0		
73. EB	SAR	*	1281.0	2430.0	2095.0	2471.0	*	815.	87.	AG	230.	10.0	.0	32.0		
74. EB	FAY	*	2022.0	2467.0	1879.8	2460.1	*	142.	267.	AG	111.	100.0	.0	12.0	.75	7.2
75. EB	SAR D	*	2095.0	2471.0	3028.0	2519.0	*	934.	87.	AG	590.	10.0	.0	44.0		
76. WB	SAR	*	3038.0	2535.0	2143.0	2498.0	*	896.	268.	AG	95.	10.0	.0	44.0		
77. WB	SAR	*	2183.0	2500.0	2211.2	2501.1	*	28.	88.	AG	222.	100.0	.0	24.0	.18	1.4
78. WB	SAR D	*	2143.0	2498.0	1273.0	2442.0	*	872.	266.	AG	130.	10.0	.0	32.0		
79. EB	MUL	*	1074.0	2750.0	1751.0	2780.0	*	678.	87.	AG	1730.	10.0	.0	44.0		
80. EB	MUL	*	1751.0	2780.0	2089.0	2793.0	*	338.	88.	AG	1730.	10.0	.0	68.0		
81. EB	MUL	*	1989.0	2789.0	1423.1	2768.8	*	566.	268.	AG	403.	100.0	.0	48.0	1.06	28.8
82. EB	MUL	*	2089.0	2793.0	3078.0	2844.0	*	990.	87.	AG	1530.	10.0	.0	44.0		
83. EB	US40	*	1075.0	2846.0	2358.0	2897.0	*	1284.	88.	BR	1775.	10.0	15.0	56.0		
84. EB	US40	*	2358.0	2897.0	2794.0	2848.0	*	439.	96.	BR	1775.	10.0	15.0	56.0		
85. EB	US40	*	2794.0	2848.0	3075.0	2858.0	*	281.	88.	AG	1775.	10.0	.0	56.0		
86. WB	US40	*	2979.0	3201.0	2659.0	3162.0	*	322.	263.	AG	765.	10.0	.0	56.0		
87. WB	US40	*	2659.0	3162.0	2329.0	3087.0	*	338.	257.	BR	765.	10.0	15.0	68.0		
88. WB	US40	*	2329.0	3087.0	1320.0	3038.0	*	1010.	267.	BR	765.	10.0	15.0	68.0		
89. WB	US40	*	1320.0	3038.0	1073.0	3002.0	*	250.	262.	BR	765.	10.0	15.0	68.0		
90. WB	FRANK	*	2987.0	3218.0	2139.0	3169.0	*	849.	267.	AG	600.	10.0	.0	56.0		
91. WB	FRANK	*	2183.0	3171.0	2298.7	3177.8	*	116.	87.	AG	321.	100.0	.0	36.0	.55	5.9
92. WB	FRANK	*	2139.0	3169.0	1105.0	3123.0	*	1035.	267.	AG	785.	10.0	.0	56.0		

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JOB: Site 5-6 MLK & Mulberry/Baltimore EX AM RUN: Site 5-6 Existing AM
DATE: 09/19/2012 TIME: 15:09:17.43

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. NB MLK TRQ	*	150	70	3.0	2290	1570	56.40	1	3
8. NB MLK LQ	*	150	55	3.0	135	1486	56.40	1	3
11. NB MLK LTQ FA	*	150	45	3.0	1965	1253	56.40	1	3
16. NB MLK TRQ SA	*	150	65	3.0	1805	1800	56.40	1	3
19. NB MLK LQ SAR	*	150	52	3.0	25	86	56.40	1	3
21. NB MLK TRQ MU	*	150	67	3.0	1650	1800	56.40	1	3
24. NB MLK TQ FRA	*	150	44	3.0	1820	1800	56.40	1	3
27. NB MLK LQ FRA	*	150	120	3.0	125	1486	56.40	1	3
36. SB MLKTQFRA	*	150	74	3.0	2365	1700	56.40	1	3
40. SB MLKRQFRA	*	150	74	3.0	255	1148	56.40	1	3
43. SB MLKTRMUL	*	150	51	3.0	2500	1600	56.40	1	3
46. SB MLK LQ MUL	*	150	51	3.0	55	82	56.40	1	3
49. SB MLKTRSA	*	150	58	3.0	2420	1515	56.40	1	3
52. SB MLKLQSA	*	150	42	3.0	210	81	56.40	1	3
55. SB MLKFAY	*	150	45	3.0	2425	1417	56.40	1	3
58. SB MLKTRQBA	*	150	70	3.0	2370	1625	56.40	1	3
61. SB MLKLBAL	*	150	55	3.0	160	83	56.40	1	3
67. EB BALT	*	150	100	3.0	165	1398	56.40	1	3
71. WB FAY	*	150	104	3.0	300	1269	56.40	1	3
74. EB FAY	*	150	110	3.0	230	1321	56.40	1	3
77. WB SAR	*	150	110	3.0	95	1101	56.40	1	3
81. EB MUL	*	150	100	3.0	1730	1365	56.40	1	3
91. WB FRANK	*	150	106	3.0	600	1396	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. S6 R1 SE MID	*	2067.0	801.0	5.0	*
2. S6 R2 SE COR RED	*	2092.0	968.0	5.0	*
3. S6 R3 82 SE	*	2112.0	1043.0	5.0	*
4. S6 R4 SE COR	*	2139.0	1143.0	5.0	*
5. S6 R5 82 ES	*	2237.0	1146.0	5.0	*
6. S6 R6 164 ES	*	2320.0	1149.0	5.0	*
7. S6 R7 MID ES	*	2537.0	1157.0	5.0	*
8. S6 R8 MID EN	*	2537.0	1229.0	5.0	*
9. S6 R9 164 EN	*	2326.0	1213.0	5.0	*
10. S6 R10 82 EN	*	2236.0	1208.0	5.0	*
11. S6 R11 NE COR	*	2145.0	1207.0	5.0	*
12. S6 R12 82 NE	*	2164.0	1292.0	5.0	*
13. S6 R13 164 NE	*	2179.0	1375.0	5.0	*
14. S6 R14 SE COR FAY	*	2210.0	1529.0	5.0	*
15. S6 R15 NE COR FAY	*	2220.0	1608.0	5.0	*
16. S6 R16 NW COR FAY	*	2073.0	1601.0	5.0	*
17. S6 R17 164 NW	*	2054.0	1380.0	5.0	*
18. S6 R18 82 NW	*	2037.0	1298.0	5.0	*
19. S6 R19 NW COR	*	2002.0	1197.0	5.0	*
20. S6 R20 82 WN	*	1909.0	1187.0	5.0	*
21. S6 R21 164 WN	*	1828.0	1179.0	5.0	*
22. S6 R22 MID WN	*	1592.0	1167.0	5.0	*

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JOB: Site 5-6 MLK & Mulberry/Baltimore EX AM RUN: Site 5-6 Existing AM
DATE: 09/19/2012 TIME: 15:09:17.43

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
23. S6 R23 MID WS	1585.0	1108.0	5.0
24. S6 R24 164 WS	1789.0	1120.0	5.0
25. S6 R25 82 WS	1873.0	1126.0	5.0
26. S6 R26 SW COR	1972.0	1122.0	5.0
27. S6 R27 82 SW	1958.0	1026.0	5.0
28. S6 R28 164 SW	1939.0	947.0	5.0
29. S6 R29 MID SW	1911.0	798.0	5.0
30. S5 R1 SE COR SARAT	2183.0	2444.0	5.0
31. S5 R2 164 SE	2159.0	2584.0	5.0
32. S5 R3 82 SE	2153.0	2664.0	5.0
33. S5 R4 SE COR	2154.0	2762.0	5.0
34. S5 R5 82 ES	2245.0	2772.0	5.0
35. S5 R5 164 ES	2328.0	2775.0	5.0
36. S5 R6 MID ES	2556.0	2786.0	5.0
37. S5 R7 NE COR FRAN	2174.0	3214.0	5.0
38. S5 R8 NW COR FRAN	1959.0	3226.0	5.0
39. S5 R8 NE COR MUL	2152.0	2825.0	5.0
40. S5 R8 NW COR MUL	2002.0	2830.0	5.0
41. S5 R9 MID WS	1592.0	2741.0	5.0
42. S5 R10 164 WS	1837.0	2752.0	5.0
43. S5 R11 82 WS	1909.0	2754.0	5.0
44. S5 R12 SW COR	2011.0	2750.0	5.0
45. S5 R13 82 SW	2025.0	2662.0	5.0
46. S5 R14 164 SW	2032.0	2580.0	5.0
47. S5 R15 SW COR SARAT	2038.0	2437.0	5.0
48. S5 R16 NE COR SARAT	2177.0	2531.0	5.0
49. S5 R17 NW COR SARAT	2026.0	2518.0	5.0

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JOB: Site 5-6 MLK & Mulberry/Baltimore EX AM RUN: Site 5-6 Existing AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	1.7	2.7	2.3	2.0	.6	.2	.2	.0	.0	.4	1.8	2.1	2.2	1.1	.8	.7	.8	.8	.6	.1
5.	1.5	2.4	2.0	1.8	.3	.2	.2	.0	.0	.2	1.5	1.8	1.9	1.1	.6	.9	1.3	1.4	.7	.1
10.	1.2	1.9	1.7	1.5	.2	.2	.2	.0	.0	.0	1.5	1.5	1.4	.9	.4	1.2	1.6	2.1	1.2	.2
15.	.8	1.5	1.2	.9	.2	.2	.2	.0	.0	.0	1.1	.9	1.0	.7	.2	1.3	2.1	2.3	1.5	.3
20.	.4	1.1	.8	.6	.2	.2	.2	.0	.0	.0	.5	.6	.6	.7	.1	1.4	2.2	2.4	1.8	.5
25.	.2	.8	.6	.4	.2	.2	.2	.0	.0	.0	.4	.5	.5	.7	.0	1.6	2.3	2.5	1.9	.6
30.	.1	.5	.4	.3	.2	.2	.2	.0	.0	.0	.3	.2	.3	.8	.0	1.4	2.3	2.7	2.1	.7
35.	.0	.4	.2	.2	.2	.2	.2	.0	.0	.0	.1	.2	.3	.8	.0	1.4	2.5	2.6	2.0	.7
40.	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.1	.1	.8	.0	1.3	2.6	2.6	1.8	.8
45.	.0	.2	.2	.3	.3	.2	.2	.0	.0	.0	.1	.1	.1	.8	.0	1.3	2.4	2.3	1.8	.8
50.	.0	.2	.2	.3	.3	.3	.2	.0	.0	.0	.1	.1	.1	.8	.0	1.3	2.4	2.4	1.6	1.0
55.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.1	.1	.7	.0	1.4	2.3	2.2	1.6	.7
60.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.1	.1	.7	.0	1.2	2.1	2.1	1.5	.7
65.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.0	.1	.6	.0	1.3	2.2	2.1	1.2	.6
70.	.0	.2	.2	.4	.3	.3	.3	.0	.0	.0	.0	.0	.1	.5	.0	1.3	2.0	1.9	1.2	.7
75.	.0	.1	.1	.4	.3	.3	.3	.0	.1	.1	.1	.0	.0	.5	.0	1.2	2.0	1.9	1.2	.7
80.	.0	.0	.1	.4	.3	.3	.3	.1	.1	.1	.1	.0	.0	.4	.1	1.3	2.0	1.7	1.2	.6
85.	.0	.0	.0	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	.3	.1	1.4	1.8	1.7	1.2	.7
90.	.0	.0	.0	.3	.3	.2	.2	.1	.2	.2	.2	.0	.0	.2	.1	1.4	1.9	1.7	1.2	.6
95.	.0	.0	.0	.2	.2	.2	.1	.2	.2	.2	.2	.1	.0	.2	.2	1.5	1.8	1.9	1.2	.6
100.	.0	.0	.0	.2	.1	.1	.1	.2	.2	.2	.2	.1	.0	.0	.3	1.5	1.8	1.9	1.3	.9
105.	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.2	.1	.0	.0	.4	1.5	1.8	1.9	1.2	.9
110.	.0	.0	.0	.1	.1	.1	.0	.2	.2	.2	.2	.1	.1	.0	.4	1.7	1.9	1.9	1.2	.9
115.	.0	.0	.0	.1	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.5	1.5	1.8	1.8	1.4	1.1
120.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.6	1.4	1.8	1.8	1.3	1.0
125.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.7	1.5	1.8	1.8	1.2	1.0
130.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.7	1.5	1.8	1.8	1.3	1.1
135.	.0	.1	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.8	1.6	1.9	2.1	1.3	1.1
140.	.0	.1	.1	.0	.0	.0	.0	.2	.2	.2	.2	.2	.1	.0	.8	1.7	1.9	2.0	1.4	1.1
145.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.2	.2	.1	.0	.9	1.7	2.0	2.1	1.6	1.1
150.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.2	.2	.2	.0	.9	1.6	2.2	2.3	1.6	1.2
155.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.2	.2	.2	.0	.9	1.8	2.3	2.2	1.6	1.0
160.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.3	.2	.2	.0	.8	1.7	2.1	2.4	1.5	1.0
165.	.2	.1	.1	.1	.0	.0	.0	.2	.2	.2	.4	.2	.2	.1	.8	1.8	2.3	2.4	1.5	1.0
170.	.3	.2	.1	.1	.0	.0	.0	.2	.2	.2	.4	.3	.4	.1	.8	2.0	2.4	2.4	1.8	.9
175.	.5	.5	.4	.3	.0	.0	.0	.2	.2	.2	.6	.5	.5	.1	.7	1.7	2.3	2.3	1.8	.8
180.	.6	.7	.8	.6	.0	.0	.0	.2	.2	.2	.8	.6	.8	.5	1.0	1.5	2.4	2.5	1.7	.6
185.	.8	1.0	1.1	.9	.0	.0	.0	.2	.2	.2	1.2	.9	1.0	.7	1.1	1.3	2.1	2.3	1.4	.4
190.	.9	1.2	1.5	1.1	.1	.0	.0	.2	.2	.2	1.6	1.2	1.3	1.1	1.4	1.0	1.8	1.9	1.2	.2
195.	1.1	1.4	1.5	1.6	.2	.1	.0	.2	.2	.6	2.0	1.5	1.6	1.3	1.6	.5	1.5	1.5	.6	.1
200.	1.0	1.5	1.8	1.9	.4	.1	.0	.2	.2	.7	2.0	1.7	1.6	1.6	1.9	.4	1.0	.9	.6	.1
205.	1.1	1.8	2.1	2.0	.6	.3	.0	.2	.4	.8	2.0	1.7	1.7	2.0	2.2	.2	.6	.8	.3	.1

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JOB: Site 5-6 MLK & Mulberry/Baltimore EX AM RUN: Site 5-6 Existing AM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.0	1.7	2.2	2.0	.5	.3	.0	.2	.6	.9	2.1	1.7	1.7	2.0	1.8	.1	.5	.6	.3	.1
215.	1.1	1.9	2.2	2.0	.7	.4	.0	.2	.6	1.0	1.9	1.4	1.6	2.0	1.6	.1	.2	.4	.4	.1
220.	1.2	2.0	2.3	2.0	.7	.4	.0	.2	.7	1.0	1.9	1.5	1.5	1.8	1.7	.1	.1	.3	.3	.1
225.	1.0	1.9	2.1	1.9	.9	.5	.0	.2	.9	1.1	1.7	1.4	1.6	1.9	1.7	.1	.1	.1	.3	.1
230.	1.0	2.0	2.1	1.7	.9	.6	.1	.3	.8	.9	1.6	1.3	1.7	1.8	1.6	.1	.1	.1	.3	.2
235.	1.1	2.0	2.1	1.6	.8	.6	.2	.4	.7	.9	1.5	1.2	1.6	1.7	1.4	.1	.1	.1	.3	.2
240.	1.0	1.9	2.0	1.5	.8	.5	.2	.5	.7	1.0	1.2	1.3	1.5	1.7	1.3	.1	.1	.1	.4	.2
245.	.9	1.8	1.9	1.4	.9	.5	.3	.5	.6	.9	1.3	1.2	1.5	1.6	1.3	.1	.1	.1	.3	.2
250.	.9	1.9	1.8	1.4	.8	.6	.4	.5	.6	.9	1.3	1.2	1.4	1.5	1.2	.1	.1	.1	.3	.2
255.	.9	1.8	1.8	1.3	.8	.6	.4	.5	.7	.8	1.2	1.3	1.5	1.5	1.3	.1	.0	.1	.2	.2
260.	.9	1.7	1.8	1.3	.9	.6	.4	.6	.5	.6	1.2	1.4	1.3	1.4	1.2	.1	.0	.0	.1	.1
265.	.9	1.7	1.7	1.4	.8	.7	.5	.4	.5	.7	1.1	1.4	1.4	1.3	1.0	.1	.0	.0	.1	.1
270.	.9	1.8	1.7	1.3	.8	.7	.6	.4	.5	.7	1.0	1.4	1.4	1.4	1.0	.1	.0	.0	.1	.1
275.	.9	1.8	1.8	1.3	.9	.7	.6	.4	.6	.5	1.0	1.4	1.5	1.5	1.0	.0	.0	.0	.0	.0
280.	.9	1.8	1.8	1.3	.8	.7	.6	.3	.5	.6	1.3	1.4	1.5	1.6	1.0	.0	.0	.0	.0	.0
285.	.9	1.8	1.8	1.3	.8	.7	.6	.4	.5	.6	1.3	1.4	1.6	1.5	1.1	.0	.0	.0	.0	.0
290.	.9	1.8	1.8	1.4	.9	.7	.6	.4	.5	.7	1.2	1.4	1.5	1.4	1.0	.0	.0	.0	.0	.0
295.	.9	1.8	1.8	1.3	.9	.7	.7	.3	.3	.7	1.2	1.4	1.7	1.4	1.0	.0	.0	.0	.0	.0
300.	1.0	1.7	1.8	1.3	.8	.7	.7	.3	.5	.7	1.3	1.3	1.7	1.5	1.1	.0	.0	.0	.0	.0
305.	1.0	1.7	1.7	1.4	.8	.6	.5	.4	.5	.6	1.4	1.3	1.7	1.5	1.1	.0	.0	.0	.0	.0
310.	.9	1.8	1.8	1.2	.8	.6	.5	.3	.6	.6	1.4	1.5	1.8	1.3	1.0	.0	.0	.1	.0	.0
315.	1.0	1.8	1.9	1.4	.8	.7	.5	.2	.5	.8	1.3	1.5	1.9	1.3	1.1	.0	.0	.1	.0	.0
320.	1.0	1.9	1.8	1.4	.9	.7	.4	.1	.5	.7	1.4	1.6	2.0	1.4	1.1	.0	.0	.1	.0	.0
325.	1.1	2.0	1.9	1.4	.9	.9	.3	.3	.5	.8	1.4	1.6	2.1	1.4	1.4	.0	.0	.1	.0	.0
330.	1.1	2.1	2.1	1.5	.9	.7	.4	.3	.5	.9	1.5	1.7	2.1	1.6	1.2	.0	.0	.1	.0	.0
335.	1.2	2.1	2.2	1.8	1.0	.7	.4	.1	.6	.8	1.6	1.8	2.4	1.6	1.4	.1	.0	.1	.0	.0
340.	1.3	2.3	2.3	1.8	.9	.8	.3	.1	.6	.9	1.9	2.0	2.6	1.5	1.4	.1	.1	.1	.0	.0
345.	1.4	2.3	2.3	2.0	1.0	.7	.3	.1	.4	.9	2.1	2.2	2.6	1.6	1.4	.3	.2	.2	.1	.0
350.	1.5	2.3	2.6	2.0	.9	.6	.2	.0	.3	.8	2.1	2.1	2.3	1.4	1.1	.3	.4	.5	.2	.1
355.	1.5	2.8	2.4	1.9	.9	.5	.2	.0	.2	.6	1.9	2.1	2.3	1.5	1.1	.6	.6	.6	.3	.1
360.	1.7	2.7	2.3	2.0	.6	.2	.2	.0	.0	.4	1.8	2.1	2.2	1.1	.8	.7	.8	.8	.6	.1
MAX	1.7	2.8	2.6	2.0	1.0	.9	.7	.6	.9	1.1	2.1	2.2	2.6	2.0	2.2	2.0	2.6	2.7	2.1	1.2
DEGR.	0	355	350	0	345	325	295	260	225	225	210	345	340	205	205	170	40	30	30	150

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JOB: Site 5-6 MLK & Mulberry/Baltimore EX AM RUN: Site 5-6 Existing AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	.1	.1	.1	.2	.1	.7	.5	.4	.3	1.0	1.4	1.3	1.4	.8	.8	.7	.9	.1	1.3	1.5
5.	.1	.1	.2	.1	.2	.7	.7	.7	.7	.8	1.0	1.0	1.2	.8	.7	.6	1.1	.1	1.2	2.0
10.	.1	.0	.1	.2	.3	.8	1.1	.9	1.0	.8	.7	.9	.9	.8	.6	.6	.8	.2	.8	2.2
15.	.2	.0	.1	.2	.3	1.3	1.3	1.2	1.2	.6	.5	.6	.9	.7	.6	.6	.6	.4	.7	2.3
20.	.2	.1	.2	.3	.5	1.2	1.5	1.5	1.4	.5	.3	.4	.7	.7	.6	.6	.6	.7	.6	2.4
25.	.2	.1	.2	.3	.5	1.5	1.6	1.5	1.6	.6	.3	.4	.6	.7	.8	.7	.4	1.0	.4	2.3
30.	.3	.1	.2	.4	.7	1.5	1.5	1.6	1.7	.5	.3	.4	.6	.7	.7	.7	.1	1.0	.3	2.3
35.	.3	.2	.2	.4	.7	1.6	1.4	1.6	1.5	.5	.4	.4	.7	.8	.7	.7	.0	1.5	.3	2.3
40.	.5	.1	.3	.7	.8	1.4	1.5	1.7	1.5	.5	.3	.5	.7	.7	.7	.8	.0	1.6	.3	2.2
45.	.5	.1	.3	.6	1.0	1.3	1.4	1.7	1.5	.5	.3	.5	.7	.8	.7	.8	.0	1.8	.3	2.2
50.	.5	.2	.3	.6	.9	1.1	1.6	1.6	1.4	.4	.3	.4	.8	.8	.8	.9	.0	1.7	.3	2.0
55.	.6	.1	.3	.7	1.0	1.2	1.5	1.7	1.4	.4	.2	.3	.7	.9	.8	.9	.0	1.7	.3	2.0
60.	.6	.1	.4	.7	.7	1.1	1.5	1.7	1.1	.3	.2	.3	.8	.8	.8	1.0	.0	1.7	.5	1.9
65.	.5	.2	.4	.6	.8	1.0	1.4	1.6	1.1	.3	.2	.3	.8	.9	.9	.9	.0	1.7	.5	1.9
70.	.4	.2	.4	.6	1.0	1.1	1.4	1.5	.9	.3	.2	.3	.8	.9	.9	1.0	.0	1.6	.5	2.2
75.	.4	.2	.4	.8	.9	1.2	1.4	1.4	1.0	.3	.1	.3	.8	.9	1.0	.9	.1	1.4	.7	2.2
80.	.5	.2	.3	.7	.9	1.3	1.5	1.4	1.0	.2	.1	.2	.7	1.0	.9	.8	.2	1.5	.7	2.2
85.	.9	.2	.5	.7	1.0	1.2	1.3	1.4	.9	.2	.0	.1	.6	.8	.7	.7	.2	1.6	.8	2.2
90.	.7	.4	.4	.7	.9	1.2	1.3	1.3	.9	.2	.0	.1	.5	.6	.6	.6	.4	1.6	.9	2.2
95.	.8	.4	.4	.6	.8	1.2	1.4	1.3	.9	.1	.1	.0	.3	.4	.3	.4	.6	1.6	.8	2.3
100.	.7	.4	.4	.5	.9	1.3	1.4	1.3	.9	.1	.1	.0	.2	.2	.2	.2	.7	1.6	.8	2.5
105.	.9	.5	.3	.6	.7	1.2	1.4	1.2	.9	.0	.1	.0	.1	.1	.1	.1	.8	1.5	.7	2.3
110.	.7	.5	.3	.6	.7	1.2	1.4	1.2	.9	.0	.1	.1	.0	.1	.1	.1	.9	1.7	.7	2.1
115.	.9	.5	.3	.6	.7	1.2	1.4	1.2	.9	.0	.1	.1	.0	.0	.0	.0	1.2	1.7	.6	2.2
120.	.9	.5	.4	.5	.7	1.2	1.3	1.2	.9	.0	.2	.2	.0	.0	.0	.0	1.2	1.7	.6	2.4
125.	.9	.4	.3	.4	.7	1.3	1.3	1.1	1.1	.0	.2	.2	.0	.0	.0	.0	1.2	1.5	.6	2.2
130.	.7	.4	.2	.4	.7	1.3	1.3	.9	1.1	.0	.2	.2	.0	.0	.0	.0	1.2	1.7	.6	2.4
135.	.6	.3	.2	.6	.7	1.3	1.3	1.2	1.1	.0	.3	.2	.0	.0	.0	.0	1.2	1.5	.5	2.4
140.	.5	.3	.3	.4	.7	1.3	1.4	1.2	1.1	.0	.3	.2	.0	.0	.0	.0	1.2	1.5	.5	2.4
145.	.6	.3	.3	.4	.6	1.2	1.3	1.3	1.3	.0	.3	.2	.0	.0	.0	.0	1.1	1.6	.5	2.5
150.	.7	.3	.1	.4	.6	1.3	1.4	1.3	1.2	.0	.3	.2	.1	.0	.0	.0	1.2	1.7	.5	2.5
155.	.6	.2	.1	.5	.6	1.4	1.4	1.5	1.4	.0	.4	.3	.1	.0	.0	.0	1.0	1.7	.5	2.8
160.	.6	.1	.0	.5	.7	1.3	1.6	1.6	1.5	.3	.7	.5	.2	.0	.0	.0	1.0	1.6	.7	2.6
165.	.6	.1	.0	.4	.6	1.4	1.6	1.6	1.3	.3	.8	.9	.3	.0	.0	.0	.9	1.7	.8	2.4
170.	.4	.1	.0	.2	.7	1.5	1.7	1.6	1.1	.6	1.0	1.1	.9	.0	.0	.0	.9	1.6	1.3	2.2
175.	.3	.1	.0	.1	.5	1.5	1.6	1.5	1.0	1.0	1.4	1.3	1.1	.1	.0	.0	1.3	1.3	1.4	1.8
180.	.2	.1	.0	.0	.2	1.4	1.5	1.3	.6	1.3	1.7	1.6	1.5	.3	.0	.0	1.3	1.1	1.9	1.3

185. *	.1	.1	.0	.0	.1	1.1	1.2	1.0	.4	1.5	1.8	2.0	1.7	.4	.2	.0	1.7	.9	2.1	1.3
190. *	.1	.1	.0	.0	.0	.7	.9	.8	.3	1.6	1.7	2.0	1.9	.6	.2	.0	1.7	.7	2.0	1.3
195. *	.1	.1	.0	.0	.0	.4	.7	.6	.2	1.7	1.8	2.0	1.9	.7	.4	.0	2.0	.7	1.9	1.1
200. *	.1	.1	.0	.0	.0	.3	.4	.4	.1	1.6	1.8	2.0	1.6	.7	.4	.0	2.0	.7	2.0	1.1
205. *	.1	.1	.0	.0	.0	.2	.3	.2	.0	1.5	1.6	2.0	1.8	.7	.6	.2	2.0	.6	2.0	1.2

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JOB: Site 5-6 MLK & Mulberry/Baltimore EX AM RUN: Site 5-6 Existing AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210. *	.1	.1	.0	.0	.0	.1	.2	.2	.0	1.5	1.5	1.9	1.9	.7	.4	.2	1.8	.7	2.0	1.3
215. *	.1	.1	.0	.0	.0	.0	.1	.1	.0	1.4	1.6	1.8	1.7	.8	.5	.2	2.0	.7	1.9	1.3
220. *	.1	.1	.0	.0	.0	.0	.1	.1	.0	1.3	1.5	2.0	1.7	.8	.4	.1	1.9	.7	1.9	1.4
225. *	.2	.1	.0	.0	.0	.0	.0	.0	.0	1.3	1.5	1.9	1.5	.7	.5	.1	1.9	.6	2.0	1.6
230. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.3	1.6	1.8	1.4	.8	.4	.1	1.8	.6	1.9	1.7
235. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.1	1.7	1.7	1.5	.7	.4	.1	1.7	.6	1.8	1.8
240. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.1	1.7	1.7	1.4	.7	.5	.2	1.5	.5	2.0	1.9
245. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.0	1.6	1.7	1.6	1.0	.6	.4	1.4	.4	2.2	2.0
250. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.0	1.7	1.6	1.5	1.0	.7	.5	1.3	.4	2.3	2.1
255. *	.2	.1	.1	.1	.1	.0	.0	.0	.0	.9	1.7	1.7	1.8	1.0	.8	.7	1.5	.3	2.5	2.2
260. *	.2	.1	.1	.1	.1	.0	.0	.0	.0	.9	1.7	1.8	1.9	1.5	1.1	1.0	1.2	.2	2.5	2.1
265. *	.1	.1	.1	.1	.1	.1	.0	.0	.0	1.0	1.8	1.9	2.3	1.7	1.3	1.2	1.1	.1	2.8	1.9
270. *	.1	.1	.1	.1	.2	.2	.0	.0	.0	1.1	1.8	2.0	2.3	2.0	1.7	1.3	1.1	.1	2.5	1.7
275. *	.1	.0	.2	.2	.2	.2	.0	.0	.0	1.2	1.9	2.3	2.5	1.8	1.8	1.3	1.1	.1	2.4	1.2
280. *	.0	.0	.2	.2	.2	.4	.0	.0	.0	1.1	2.1	2.4	2.5	1.8	1.8	1.2	1.1	.0	2.2	1.1
285. *	.0	.0	.2	.2	.2	.4	.0	.0	.0	1.2	2.1	2.4	2.4	2.1	1.5	1.3	1.0	.0	1.7	.8
290. *	.0	.0	.2	.2	.2	.5	.0	.0	.0	1.3	2.3	2.6	2.3	1.9	1.4	1.1	1.0	.0	1.7	.7
295. *	.0	.0	.2	.2	.2	.5	.0	.0	.0	1.4	2.3	2.6	2.3	1.7	1.5	1.2	1.0	.0	1.6	.6
300. *	.0	.0	.2	.2	.2	.5	.0	.0	.0	1.6	2.4	2.5	2.2	1.6	1.3	1.1	1.0	.0	1.7	.6
305. *	.0	.0	.2	.2	.2	.5	.0	.0	.0	1.8	2.5	2.7	2.2	1.5	1.4	1.1	1.0	.0	1.7	.6
310. *	.0	.0	.2	.2	.2	.6	.0	.0	.0	1.5	2.7	2.6	1.9	1.3	1.3	.9	1.0	.0	1.6	.6
315. *	.0	.0	.2	.2	.2	.6	.0	.0	.0	1.8	2.6	2.6	2.1	1.5	1.3	1.0	1.0	.0	1.7	.5
320. *	.0	.0	.1	.1	.1	.6	.0	.0	.0	1.9	2.7	2.7	2.0	1.4	1.0	1.0	1.1	.0	1.7	.5
325. *	.0	.0	.1	.1	.1	.6	.0	.0	.0	1.8	2.6	2.7	2.0	1.3	1.2	1.0	1.2	.0	1.9	.5
330. *	.0	.0	.1	.1	.1	.5	.0	.0	.0	1.9	2.5	2.4	2.1	1.5	1.1	.9	1.3	.0	1.6	.5
335. *	.0	.0	.1	.1	.1	.4	.1	.0	.0	2.0	2.6	2.4	2.0	1.4	1.0	.6	1.2	.0	1.9	.6
340. *	.0	.0	.1	.1	.1	.4	.1	.1	.0	1.9	2.5	2.4	2.1	1.2	.9	.6	1.0	.0	1.9	.6
345. *	.0	.0	.1	.1	.1	.4	.1	.1	.0	2.0	2.6	2.3	2.1	1.2	.8	.6	1.2	.0	1.7	.8
350. *	.0	.0	.1	.1	.1	.5	.2	.1	.1	1.6	2.2	2.1	1.9	1.1	.9	.6	1.3	.0	1.6	.9
355. *	.1	.0	.1	.2	.2	.3	.2	.1	.2	1.3	1.6	1.5	1.8	1.0	.8	.7	1.1	.0	1.5	1.4
360. *	.1	.1	.1	.2	.1	.7	.5	.4	.3	1.0	1.4	1.3	1.4	.8	.8	.7	.9	.1	1.3	1.5
MAX *	.9	.5	.5	.8	1.0	1.6	1.7	1.7	1.7	2.0	2.7	2.7	2.5	2.1	1.8	1.3	2.0	1.8	2.8	2.8
DEGR. *	85	105	85	75	45	35	170	40	30	335	310	305	275	285	275	270	195	45	265	155

1

JOB: Site 5-6 MLK & Mulberry/Baltimore EX AM RUN: Site 5-6 Existing AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
0. *	2.0	2.0	2.1	2.3	2.4	2.3	2.1	.9	1.6
5. *	2.0	2.0	2.3	2.6	2.5	2.5	2.2	.5	2.1
10. *	1.9	2.1	2.4	2.6	2.6	2.7	2.0	.3	2.2
15. *	1.9	2.3	2.3	2.9	2.5	2.6	2.2	.2	2.2
20. *	1.9	2.3	2.6	2.8	2.8	2.6	2.0	.2	2.1
25. *	2.0	2.4	2.7	2.9	2.5	2.3	1.7	.2	2.1
30. *	2.1	2.6	2.5	2.6	2.4	2.4	1.7	.2	2.0
35. *	2.1	2.6	2.6	2.7	2.3	2.3	1.5	.2	1.8
40. *	2.3	2.7	2.8	2.6	2.4	2.2	1.4	.2	1.8
45. *	2.4	2.6	2.7	2.4	2.2	2.3	1.4	.2	1.8
50. *	2.3	2.8	2.8	2.5	2.2	2.2	1.5	.2	1.6
55. *	2.6	2.8	2.7	2.3	2.2	2.0	1.4	.2	1.6
60. *	2.6	2.7	2.7	2.5	2.2	2.0	1.2	.2	1.5
65. *	2.6	2.9	2.7	2.5	2.1	2.0	1.1	.2	1.4
70. *	2.7	3.1	2.7	2.4	2.1	2.1	1.2	.1	1.3
75. *	2.7	2.9	2.6	2.5	2.2	2.0	1.2	.1	1.2
80. *	2.4	2.7	2.4	2.6	2.1	2.0	1.1	.1	1.1
85. *	2.2	2.5	2.3	2.3	2.0	1.8	1.2	.1	1.1
90. *	1.7	2.1	1.9	2.2	2.0	1.9	1.1	.1	.9
95. *	1.3	1.5	1.5	1.9	1.9	1.8	1.2	.1	1.0
100. *	1.1	1.2	1.3	1.9	1.8	1.8	1.2	.1	1.0
105. *	.7	1.0	1.1	1.9	1.9	1.8	1.2	.3	1.0
110. *	.4	.8	1.0	1.7	2.0	1.7	1.2	.3	1.0
115. *	.2	.7	.8	1.8	1.9	1.6	1.2	.3	1.0
120. *	.2	.7	.8	1.8	1.9	1.8	1.1	.3	1.2
125. *	.1	.6	.8	2.0	2.0	1.7	1.2	.3	1.1
130. *	.1	.6	.8	1.9	2.0	1.6	1.3	.4	1.1

135.	*	.1	.6	.8	1.9	2.2	1.9	1.3	.4	1.3
140.	*	.1	.6	.8	2.0	2.0	1.9	1.3	.4	1.2
145.	*	.1	.6	.8	2.2	2.2	1.9	1.4	.5	1.3
150.	*	.1	.4	.8	2.2	2.1	1.8	1.4	.5	1.2
155.	*	.0	.3	.7	2.2	2.1	1.9	1.3	.5	1.4
160.	*	.0	.2	.4	2.1	2.1	1.7	1.4	.7	1.3
165.	*	.0	.1	.4	1.9	1.9	1.6	1.3	.7	1.1
170.	*	.0	.1	.1	1.6	1.7	1.6	1.1	.8	.9
175.	*	.0	.0	.1	1.1	1.5	1.2	.9	1.1	.7
180.	*	.0	.0	.1	.8	.9	1.0	.6	1.4	.6
185.	*	.0	.0	.0	.5	.7	.6	.4	1.5	.3
190.	*	.0	.0	.0	.3	.4	.5	.2	1.6	.2
195.	*	.0	.0	.0	.2	.4	.3	.1	1.3	.2
200.	*	.0	.0	.0	.0	.2	.2	.1	1.4	.1
205.	*	.0	.0	.0	.0	.1	.2	.0	1.2	.1

1

JOB: Site 5-6 MLK & Mulberry/Baltimore EX AM RUN: Site 5-6 Existing AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
210.	*	.0	.1	.1	.0	.1	.2	.0	1.1	.1
215.	*	.0	.1	.1	.0	.1	.2	.0	1.2	.2
220.	*	.0	.1	.1	.0	.1	.2	.0	.9	.3
225.	*	.0	.1	.1	.0	.1	.2	.0	1.0	.3
230.	*	.0	.2	.1	.0	.1	.1	.0	.9	.3
235.	*	.0	.2	.2	.0	.0	.0	.0	.9	.3
240.	*	.1	.2	.2	.1	.0	.0	.0	1.0	.3
245.	*	.2	.3	.3	.2	.0	.0	.0	.7	.3
250.	*	.2	.6	.6	.3	.0	.0	.0	.8	.3
255.	*	.4	.9	.9	.6	.0	.0	.0	.9	.3
260.	*	.7	1.2	1.2	.8	.0	.0	.0	.9	.1
265.	*	.9	1.7	1.7	1.4	.2	.0	.2	.8	.0
270.	*	1.4	2.2	2.2	1.7	.3	.0	.2	.9	.0
275.	*	1.7	2.5	2.6	2.1	.5	.2	.2	1.1	.0
280.	*	2.0	2.8	2.7	2.3	.8	.3	.3	1.2	.2
285.	*	2.2	2.8	2.7	2.3	.8	.4	.4	1.5	.3
290.	*	2.3	2.7	2.8	2.2	.9	.5	.5	1.6	.4
295.	*	2.3	2.7	2.7	2.0	1.0	.5	.6	1.9	.4
300.	*	2.2	2.7	2.6	1.9	1.1	.6	.7	1.9	.4
305.	*	2.2	2.4	2.3	1.9	.9	.8	.7	2.0	.5
310.	*	2.1	2.3	2.3	1.8	1.0	.8	.7	2.0	.6
315.	*	2.1	2.3	2.2	1.6	1.0	.7	.7	1.9	.6
320.	*	1.9	2.1	2.2	1.5	1.0	.7	.7	2.2	.5
325.	*	1.9	2.0	2.0	1.5	.9	.7	.6	2.0	.5
330.	*	1.9	2.0	2.0	1.4	.8	.7	.6	2.2	.5
335.	*	1.8	2.0	2.0	1.4	.9	.8	.7	2.2	.5
340.	*	1.8	2.0	2.0	1.2	1.0	1.0	.8	1.8	.6
345.	*	1.9	2.0	2.0	1.4	1.3	1.3	1.1	1.8	.8
350.	*	2.0	2.0	2.0	1.6	1.6	1.4	1.1	1.5	1.1
355.	*	2.0	2.0	2.1	2.2	2.0	1.9	1.5	1.1	1.2
360.	*	2.0	2.0	2.1	2.3	2.4	2.3	2.1	.9	1.6
MAX	*	2.7	3.1	2.8	2.9	2.8	2.7	2.2	2.2	2.2
DEGR.	*	70	70	40	15	20	10	5	320	10

THE HIGHEST CONCENTRATION IS 3.10 PPM AT 70 DEGREES FROM REC42.
THE 2ND HIGHEST CONCENTRATION IS 2.90 PPM AT 15 DEGREES FROM REC44.
THE 3RD HIGHEST CONCENTRATION IS 2.80 PPM AT 265 DEGREES FROM REC39.

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Site 5-6 MLK & Mulberry/Baltimore EX PM 60.0321.0.0000.000490.30480000    1    1
S6 R1 SE MID              2067.      801.        5.
S6 R2 SE COR RED          2092.      968.        5.
S6 R3 82 SE               2112.     1043.        5.
S6 R4 SE COR              2139.     1143.        5.
S6 R5 82 ES               2237.     1146.        5.
S6 R6 164 ES              2320.     1149.        5.
S6 R7 MID ES              2537.     1157.        5.
S6 R8 MID EN              2537.     1229.        5.
S6 R9 164 EN              2326.     1213.        5.
S6 R10 82 EN              2236.     1208.        5.
S6 R11 NE COR             2145.     1207.        5.
S6 R12 82 NE              2164.     1292.        5.
S6 R13 164 NE             2179.     1375.        5.
S6 R14 SE COR FAY         2210.     1529.        5.
S6 R15 NE COR FAY         2220.     1608.        5.
S6 R16 NW COR FAY         2073.     1601.        5.
S6 R17 164 NW             2054.     1380.        5.
S6 R18 82 NW              2037.     1298.        5.
S6 R19 NW COR             2002.     1197.        5.
S6 R20 82 WN              1909.     1187.        5.
S6 R21 164 WN             1828.     1179.        5.
S6 R22 MID WN             1592.     1167.        5.
S6 R23 MID WS             1585.     1108.        5.
S6 R24 164 WS             1789.     1120.        5.
S6 R25 82 WS              1873.     1126.        5.
S6 R26 SW COR             1972.     1122.        5.
S6 R27 82 SW              1958.     1026.        5.
S6 R28 164 SW             1939.      947.        5.
S6 R29 MID SW             1911.      798.        5.
S5 R1 SE COR SARAT        2183.     2444.        5.
S5 R2 164 SE              2159.     2584.        5.
S5 R3 82 SE               2153.     2664.        5.
S5 R4 SE COR              2154.     2762.        5.
S5 R5 82 ES               2245.     2772.        5.
S5 R5 164 ES              2328.     2775.        5.
S5 R6 MID ES              2556.     2786.        5.
S5 R7 NE COR FRAN         2174.     3214.        5.
S5 R8 NW COR FRAN         1959.     3226.        5.
S5 R8 NE COR MUL          2152.     2825.        5.
S5 R8 NW COR MUL          2002.     2830.        5.
S5 R9  MID WS             1592.     2741.        5.
S5 R10 164 WS             1837.     2752.        5.
S5 R11 82 WS              1909.     2754.        5.
S5 R12 SW COR             2011.     2750.        5.
S5 R13 82 SW              2025.     2662.        5.
S5 R14 164 SW             2032.     2580.        5.
S5 R15 SW COR SARAT       2038.     2437.        5.
S5 R16 NE COR SARAT       2177.     2531.        5.
S5 R17 NW COR SARAT       2026.     2518.        5.
Site 5-6 Existing PM                     92  1   0
  1
NB        MLK AP    AG  2135.   161.  2042.   443.   2330.10.0  0. 56.   35.
  1
NB        MLK AP    AG  2042.   443.  2012.   664.   2330.10.0  0. 56.   35.
  1
NB        MLK AP    AG  2012.   664.  2028.   856.   2330.10.0  0. 56.   35.
  1
NB        MLK TR    AG  2028.   856.  2109.  1174.   2245.10.0  0. 68.   35.
  2
NB        MLK TRQ   AG  2095.  1119.  2046.   925.      0. 48.   4
       150        70       3.0 2245   14.4 1492 1 3
  1
NB        MLK L     AG  2028.   856.  2017.   903.     85.10.0  0. 32.   35.
  1
NB        MLK L     AG  2017.   903.  2089.  1173.     85.10.0  0. 32.   35.
  2
NB        MLK LQ    AG  2074.  1117.  2025.   932.      0. 12.   1
       150        55       3.0   85   14.4   85 1 3
  1
NB        MLK D FAY AG  2109.  1174.  2145.  1344.   2150.10.0  0. 56.   35.
  1
NB        MLK LTA FAAG  2145.  1344.  2173.  1566.   2150.10.0  0. 68.   35.
  2
NB        MLK LTQ FAAG  2165.  1509.  2150.  1384.      0. 48.   4
       150        45       3.0 2150   14.4 1218 1 3
  1
NB        MLK D FAY AG  2173.  1566.  2188.  1656.   2420.10.0  0. 56.   35.
  1
NB        MLK A SAR AG  2188.  1656.  2193.  1941.   2365.10.0  0. 56.   35.
  1
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NB        MLK A SAR AG  2193.  1941.  2157.  2311.   2365.10.0  0. 56.   35.
  1
NB        MLK TR SARAG  2157.  2311.  2139.  2484.   2325.10.0  0. 56.   35.
  2
NB        MLK TRQ SAAG  2146.  2425.  2156.  2329.      0. 36.   3
       150        62       3.0 2325   14.4 1599 1 3
  1
NB        MLK L SAR AG  2157.  2311.  2131.  2365.     40.10.0  0. 32.   35.
  1
NB        MLK L SAR AG  2131.  2365.  2119.  2484.     40.10.0  0. 32.   35.
  2
NB        MLK LQ SARAG  2125.  2427.  2130.  2380.      0. 12.   1
       150        51       3.0   40   14.4   86 1 3
  1
NB        MLK A MUL AG  2139.  2484.  2117.  2791.   2535.10.0  0. 56.   35.
  2
NB        MLK TRQ MUAG  2120.  2746.  2132.  2589.      0. 36.   3
       150        62       3.0 2535   14.4 1757 1 3
  1
NB        MLK A FRA AG  2117.  2791.  2116.  2956.   2585.10.0  0. 56.   35.
  1
NB        MLK T A FRAG  2116.  2956.  2131.  3176.   2270.10.0  0. 56.   35.
  2
NB        MLK TQ FRAAG  2128.  3130.  2123.  3053.      0. 36.   3
       150        62       3.0 2270   14.4 1784 1 3
  1
NB        MLK L A FRAG  2116.  2956.  2096.  3008.    315.10.0  0. 32.   35.
  1
NB        MLK L QFRAAG  2096.  3008.  2105.  3170.    315.10.0  0. 32.   35.
  2
NB        MLK LQ FRAAG  2103.  3132.  2097.  3039.      0. 12.   1
       150       120       3.0  315   14.4 1863 1 3
  1
NB        MLK D FRA AG  2131.  3176.  2153.  3319.   2280.10.0  0. 56.   35.
  1
NB        MLK D FRA AG  2153.  3319.  2184.  3423.   2280.10.0  0. 56.   35.
  1
NB        MLK D FRA AG  2184.  3423.  2254.  3560.   2280.10.0  0. 56.   35.
  1
NB        MLK D FRA AG  2254.  3560.  2396.  3748.   2280.10.0  0. 56.   35.
  1
SB        MLKTRAFRA AG  2341.  3759.  2244.  3658.   1820.10.0  0. 56.   35.
  1
SB        MLKTAFRA  AG  2244.  3658.  2132.  3493.   1440.10.0  0. 56.   35.
  1
SB        MLKTAFRA  AG  2132.  3493.  2064.  3332.   1440.10.0  0. 56.   35.
  1
SB        MLKTAFRA  AG  2064.  3332.  2024.  3162.   1440.10.0  0. 56.   35.
  2
SB        MLKTQFRA  AG  2034.  3206.  2056.  3297.      0. 36.   3
       150        90       3.0 1440   14.4 1582 1 3
  1
SB        MLKRFRA   AG  2244.  3658.  2135.  3562.    380.10.0  0. 44.   35.
  1
SB        MLKRAFRA  AG  2135.  3562.  2040.  3397.    380.10.0  0. 44.   35.
  1
SB        MLKRAFRA  AG  2040.  3397.  1976.  3186.    380.10.0  0. 44.   35.
  2
SB        MLKRQFRA  AG  1985.  3217.  2013.  3310.      0. 24.   2
       150        90       3.0  380   14.4 1270 1 3
  1
SB        MLKDFRA   AG  2024.  3162.  2029.  3027.   1705.10.0  0. 56.   35.
  1
SB        MLKTRMUL  AG  2029.  3027.  2042.  2797.   1660.10.0  0. 56.   35.
  2
SB        MLKTRMUL  AG  2040.  2832.  2034.  2933.      0. 36.   3
       150        45       3.0 1660   14.4 1695 1 3
  1
SB        MLKLMUL   AG  2029.  3027.  2054.  2949.     45.10.0  0. 32.   35.
  1
SB        MLKLMUL   AG  2054.  2949.  2064.  2802.     45.10.0  0. 32.   35.
  2
SB        MLK LQ MULAG  2061.  2844.  2055.  2939.      0. 12.   1
       150        45       3.0   45   14.4   86 1 3
  1
SB        MLKASAR   AG  2042.  2797.  2055.  2668.   1645.10.0  0. 56.   35.
  1
SB        MLKTRSAR  AG  2055.  2668.  2072.  2477.   1615.10.0  0. 56.   35.
  2
SB        MLKTRSA   AG  2067.  2534.  2057.  2649.      0. 36.   3
       150        62       3.0 1615   14.4 1504 1 3
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  1
SB        MLKLASAR  AG  2055.  2668.  2080.  2629.     30.10.0  0. 32.   35.
  1
SB        MLK LA SARAG  2080.  2629.  2095.  2483.     30.10.0  0. 32.   35.
  2
SB        MLKLQSA   AG  2090.  2532.  2081.  2619.      0. 12.   1
       150        50       3.0   30   14.4   81 1 3
  1
SB        MLK A FAY AG  2072.  2477.  2125.  1886.   1770.10.0  0. 56.   35.
  1
SB        MLKAFAY   AG  2125.  1886.  2117.  1558.   1770.10.0  0. 56.   35.
  2
SB        MLKFAY    AG  2118.  1601.  2121.  1732.      0. 36.   3
       150        50       3.0 1770   14.4 1419 1 3
  1
SB        MLKABAL   AG  2117.  1558.  2089.  1397.   2190.10.0  0. 56.   35.
  1
SB        MLKTRBAL  AG  2089.  1397.  2030.  1159.   2090.10.0  0. 56.   35.
  2
SB        MLKTRQBA  AG  2045.  1220.  2071.  1325.      0. 36.   3
       150        70       3.0 2090   14.4 1369 1 3
  1
SB        MLKLBAL   AG  2089.  1397.  2096.  1330.    100.10.0  0. 32.   35.
  1
SB        MLKLBAL   AG  2096.  1330.  2052.  1157.    100.10.0  0. 32.   35.
  2
SB        MLKLBAL   AG  2068.  1221.  2094.  1321.      0. 12.   1
       150        55       3.0  100   14.4   81 1 3
  1
SB        MLK D BAL AG  2030.  1159.  1956.   881.   2160.10.0  0. 56.   35.
  1
SB        MLK D BAL AG  1956.   881.  1942.   661.   2160.10.0  0. 56.   35.
  1
SB        MLK D BAL AG  1942.   661.  1970.   406.   2160.10.0  0. 56.   35.
  1
SB        MLK D BAL AG  1970.   406.  2079.   127.   2160.10.0  0. 56.   35.
  1
EB        BALT      AG  1066.  1093.  2024.  1153.     39010.0  0. 44.   30.
  2
EB        BALT      AG  1968.  1149.  1831.  1141.      0. 24.   2
       150       100       3.0  390   14.4 1357 1 3
  1
EB        BALT D    AG  2030.  1159.  3081.  1213.    455.10.0  0. 44.   30.
  1
WB        BALT      AG  2000.  1170.  1055.  1113.    145.10.0  0. 32.   30.
  1
WB        FAY       AG  2969.  1609.  2152.  1562.    995.10.0  0. 68.   30.
  2
WB        FAY       AG  2225.  1566.  2468.  1580.      0. 48.   4
       150       100       3.0  995   14.4 1272 1 3
  1
WB        FAY       AG  2152.  1562.  1122.  1513.    280.10.0  0. 68.   30.
  1
EB        SAR       AG  1281.  2430.  2095.  2471.     60.10.0  0. 32.   30.
  2
EB        FAY       AG  2022.  2467.  1857.  2459.      0. 12.   1
       150       105       3.0   60   14.4  889 1 3
  1
EB        SAR D     AG  2095.  2471.  3028.  2519.    110.10.0  0. 44.   30.
  1
WB        SAR       AG  3038.  2535.  2143.  2498.    350.10.0  0. 44.   30.
  2
WB        SAR       AG  2183.  2500.  2479.  2512.      0. 24.   2
       150       105       3.0  350   14.4 1227 1 3
  1
WB        SAR D     AG  2143.  2498.  1273.  2442.    170.10.0  0. 32.   30.
  1
EB        MUL       AG  1074.  2750.  1751.  2780.   1075.10.0  0. 44.   30.
  1
EB        MUL       AG  1751.  2780.  2089.  2793.   1075.10.0  0. 68.   30.
  2
EB        MUL       AG  1989.  2789.  1849.  2784.      0. 48.   4
       150       105       3.0 1075   14.4 2022 1 3
  1
EB        MUL       AG  2089.  2793.  3078.  2844.    955.10.0  0. 44.   30.
  1
EB        US40      BR  1075.  2846.  2358.  2897.   1485.10.0 15. 56.   35.
  1
EB        US40      BR  2358.  2897.  2794.  2848.   1485.10.0 15. 56.   35.
  1
EB        US40      AG  2794.  2848.  3075.  2858.   1485.10.0  0. 56.   35.
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  1
WB        US40      AG  2979.  3201.  2659.  3162.   2045.10.0  0. 56.   35.
  1
WB        US40      BR  2659.  3162.  2329.  3087.   2045.10.0  15  68   35.
  1
WB        US40      BR  2329.  3087.  1320.  3038.   2045.10.0  15  68   35.
  1
WB        US40      BR  1320.  3038.  1073.  3002.   2045.10.0  15  68   35.
  1
WB        FRANK     AG  2987.  3218.  2139.  3169.   1165.10.0  0. 56.   30.
  2
WB        FRANK     AG  2183.  3171.  2404.  3184.      0. 36.   3
       150        90       3.0 1165   14.4 1558 1 3
  1
WB        FRANK     AG  2139.  3169.  1105.  3123.   1605.10.0  0. 56.   30.
1.0   04  1000   0Y  5  0 72
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JOB: Site 5-6 MLK & Mulberry/Baltimore EX PM RUN: Site 5-6 Existing PM
DATE: 09/10/2012 TIME: 12:54:23.39

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	MLK AP	2135.0	161.0	2042.0	443.0	297.	342.	AG	2330.	10.0	.0	56.0		
2. NB	MLK AP	2042.0	443.0	2012.0	664.0	223.	352.	AG	2330.	10.0	.0	56.0		
3. NB	MLK AP	2012.0	664.0	2028.0	856.0	193.	5.	AG	2330.	10.0	.0	56.0		
4. NB	MLK TR	2028.0	856.0	2109.0	1174.0	328.	14.	AG	2245.	10.0	.0	68.0		
5. NB	MLK TRQ	2095.0	1119.0	2042.4	910.8	215.	194.	AG	72.	100.0	.0	48.0	.75	10.9
6. NB	MLK L	2028.0	856.0	2017.0	903.0	48.	347.	AG	85.	10.0	.0	32.0		
7. NB	MLK L	2017.0	903.0	2089.0	1173.0	279.	15.	AG	85.	10.0	.0	32.0		
8. NB	MLK LQ	2074.0	1117.0	1964.2	702.3	429.	195.	AG	14.	100.0	.0	12.0	1.70	21.8
9. NB	MLK D FAY	2109.0	1174.0	2145.0	1344.0	174.	12.	AG	2150.	10.0	.0	56.0		
10. NB	MLK LTA FA	2145.0	1344.0	2173.0	1566.0	224.	7.	AG	2150.	10.0	.0	68.0		
11. NB	MLK LTQ FA	2165.0	1509.0	2149.3	1377.8	132.	187.	AG	46.	100.0	.0	48.0	.66	6.7
12. NB	MLK D FAY	2173.0	1566.0	2188.0	1656.0	91.	9.	AG	2420.	10.0	.0	56.0		
13. NB	MLK A SAR	2188.0	1656.0	2193.0	1941.0	285.	1.	AG	2365.	10.0	.0	56.0		
14. NB	MLK A SAR	2193.0	1941.0	2157.0	2311.0	372.	354.	AG	2365.	10.0	.0	56.0		
15. NB	MLK TR SAR	2157.0	2311.0	2139.0	2484.0	174.	354.	AG	2325.	10.0	.0	56.0		
16. NB	MLK TRQ SA	2146.0	2425.0	2175.1	2145.9	281.	174.	AG	48.	100.0	.0	36.0	.88	14.3
17. NB	MLK L SAR	2157.0	2311.0	2131.0	2365.0	60.	334.	AG	40.	10.0	.0	32.0		
18. NB	MLK L SAR	2131.0	2365.0	2119.0	2484.0	120.	354.	AG	40.	10.0	.0	32.0		
19. NB	MLK LQ SAR	2125.0	2427.0	2126.8	2409.6	17.	174.	AG	13.	100.0	.0	12.0	.75	.9
20. NB	MLK A MUL	2139.0	2484.0	2117.0	2791.0	308.	356.	AG	2535.	10.0	.0	56.0		
21. NB	MLK TRQ MU	2120.0	2746.0	2142.8	2447.7	299.	176.	AG	48.	100.0	.0	36.0	.87	15.2
22. NB	MLK A FRA	2117.0	2791.0	2116.0	2956.0	165.	360.	AG	2585.	10.0	.0	56.0		
23. NB	MLK T A FR	2116.0	2956.0	2131.0	3176.0	221.	4.	AG	2270.	10.0	.0	56.0		
24. NB	MLK TQ FRA	2128.0	3130.0	2111.4	2874.2	256.	184.	AG	48.	100.0	.0	36.0	.77	13.0
25. NB	MLK L A FR	2116.0	2956.0	2096.0	3008.0	56.	339.	AG	315.	10.0	.0	32.0		
26. NB	MLK L QFRA	2096.0	3008.0	2105.0	3170.0	162.	3.	AG	315.	10.0	.0	32.0		
27. NB	MLK LQ FRA	2103.0	3132.0	2080.9	2790.0	343.	184.	AG	31.	100.0	.0	12.0	1.02	17.4
28. NB	MLK D FRA	2131.0	3176.0	2153.0	3319.0	145.	9.	AG	2280.	10.0	.0	56.0		
29. NB	MLK D FRA	2153.0	3319.0	2184.0	3423.0	109.	17.	AG	2280.	10.0	.0	56.0		
30. NB	MLK D FRA	2184.0	3423.0	2254.0	3560.0	154.	27.	AG	2280.	10.0	.0	56.0		
31. NB	MLK D FRA	2254.0	3560.0	2396.0	3748.0	236.	37.	AG	2280.	10.0	.0	56.0		
32. SB	MLKTRAFRA	2341.0	3759.0	2244.0	3658.0	140.	224.	AG	1820.	10.0	.0	56.0		
33. SB	MLKTAFRA	2244.0	3658.0	2132.0	3493.0	199.	214.	AG	1440.	10.0	.0	56.0		
34. SB	MLKTAFRA	2132.0	3493.0	2064.0	3332.0	175.	203.	AG	1440.	10.0	.0	56.0		
35. SB	MLKTAFRA	2064.0	3332.0	2024.0	3162.0	175.	193.	AG	1440.	10.0	.0	56.0		
36. SB	MLKTQFRA	2034.0	3206.0	2091.7	3444.9	246.	14.	AG	70.	100.0	.0	36.0	.83	12.5
37. SB	MLKRFRA	2244.0	3658.0	2135.0	3562.0	145.	229.	AG	380.	10.0	.0	44.0		
38. SB	MLKRAFRA	2135.0	3562.0	2040.0	3397.0	190.	210.	AG	380.	10.0	.0	44.0		
39. SB	MLKRAFRA	2040.0	3397.0	1976.0	3186.0	220.	197.	AG	380.	10.0	.0	44.0		
40. SB	MLKRQFRA	1985.0	3217.0	2012.0	3306.5	94.	17.	AG	46.	100.0	.0	24.0	.41	4.8
41. SB	MLKDFRA	2024.0	3162.0	2029.0	3027.0	135.	178.	AG	1705.	10.0	.0	56.0		
42. SB	MLKTRMUL	2029.0	3027.0	2042.0	2797.0	230.	177.	AG	1660.	10.0	.0	56.0		
43. SB	MLKTRMUL	2040.0	2832.0	2031.9	2967.8	136.	357.	AG	35.	100.0	.0	36.0	.49	6.9
44. SB	MLKLMUL	2029.0	3027.0	2054.0	2949.0	82.	162.	AG	45.	10.0	.0	32.0		

JOB: Site 5-6 MLK & Mulberry/Baltimore EX PM RUN: Site 5-6 Existing PM
DATE: 09/10/2012 TIME: 12:54:23.39

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	MLKLMUL	2054.0	2949.0	2064.0	2802.0	147.	176.	AG	45.	10.0	.0	32.0		
46. SB	MLK LQ MUL	2061.0	2844.0	2059.8	2863.7	20.	356.	AG	12.	100.0	.0	12.0	.79	1.0
47. SB	MLKASAR	2042.0	2797.0	2055.0	2668.0	130.	174.	AG	1645.	10.0	.0	56.0		
48. SB	MLKTRSAR	2055.0	2668.0	2072.0	2477.0	192.	175.	AG	1615.	10.0	.0	56.0		
49. SB	MLKTRSA	2067.0	2534.0	2051.2	2715.7	182.	355.	AG	48.	100.0	.0	36.0	.65	9.3
50. SB	MLKLASAR	2055.0	2668.0	2080.0	2629.0	46.	147.	AG	30.	10.0	.0	32.0		
51. SB	MLK LA SAR	2080.0	2629.0	2095.0	2483.0	147.	174.	AG	30.	10.0	.0	32.0		
52. SB	MLKLQSA	2090.0	2532.0	2089.1	2540.6	9.	354.	AG	13.	100.0	.0	12.0	.59	.4
53. SB	MLK A FAY	2072.0	2477.0	2125.0	1886.0	593.	175.	AG	1770.	10.0	.0	56.0		
54. SB	MLKAFAY	2125.0	1886.0	2117.0	1558.0	328.	181.	AG	1770.	10.0	.0	56.0		
55. SB	MLKFAY	2118.0	1601.0	2121.7	1762.3	161.	1.	AG	39.	100.0	.0	36.0	.66	8.2
56. SB	MLKABAL	2117.0	1558.0	2089.0	1397.0	163.	190.	AG	2190.	10.0	.0	56.0		
57. SB	MLKTRBAL	2089.0	1397.0	2030.0	1159.0	245.	194.	AG	2090.	10.0	.0	56.0		
58. SB	MLKTRQBA	2045.0	1220.0	2168.5	1718.8	514.	14.	AG	54.	100.0	.0	36.0	1.02	26.1
59. SB	MLKLBAL	2089.0	1397.0	2096.0	1330.0	67.	174.	AG	100.	10.0	.0	32.0		
60. SB	MLKLBAL	2096.0	1330.0	2052.0	1157.0	179.	194.	AG	100.	10.0	.0	32.0		
61. SB	MLKLBAL	2068.0	1221.0	2222.2	1814.0	613.	15.	AG	14.	100.0	.0	12.0	2.08	31.1
62. SB	MLK D BAL	2030.0	1159.0	1956.0	881.0	288.	195.	AG	2160.	10.0	.0	56.0		
63. SB	MLK D BAL	1956.0	881.0	1942.0	661.0	220.	184.	AG	2160.	10.0	.0	56.0		
64. SB	MLK D BAL	1942.0	661.0	1970.0	406.0	257.	174.	AG	2160.	10.0	.0	56.0		
65. SB	MLK D BAL	1970.0	406.0	2079.0	127.0	300.	159.	AG	2160.	10.0	.0	56.0		

66. EB	BALT	*	1066.0	1093.0	2024.0	1153.0	*	960.	86.	AG	390.	10.0	.0	44.0		
67. EB	BALT	*	1968.0	1149.0	1861.6	1142.8	*	107.	267.	AG	51.	100.0	.0	24.0	.48	5.4
68. EB	BALT D	*	2030.0	1159.0	3081.0	1213.0	*	1052.	87.	AG	455.	10.0	.0	44.0		
69. WB	BALT	*	2000.0	1170.0	1055.0	1113.0	*	947.	267.	AG	145.	10.0	.0	32.0		
70. WB	FAY	*	2969.0	1609.0	2152.0	1562.0	*	818.	267.	AG	995.	10.0	.0	68.0		
71. WB	FAY	*	2225.0	1566.0	2360.4	1573.8	*	136.	87.	AG	103.	100.0	.0	48.0	.65	6.9
72. WB	FAY	*	2152.0	1562.0	1122.0	1513.0	*	1031.	267.	AG	280.	10.0	.0	68.0		
73. EB	SAR	*	1281.0	2430.0	2095.0	2471.0	*	815.	87.	AG	60.	10.0	.0	32.0		
74. EB	FAY	*	2022.0	2467.0	1987.6	2465.3	*	34.	267.	AG	27.	100.0	.0	12.0	.25	1.8
75. EB	SAR D	*	2095.0	2471.0	3028.0	2519.0	*	934.	87.	AG	110.	10.0	.0	44.0		
76. WB	SAR	*	3038.0	2535.0	2143.0	2498.0	*	896.	268.	AG	350.	10.0	.0	44.0		
77. WB	SAR	*	2183.0	2500.0	2283.4	2504.1	*	100.	88.	AG	54.	100.0	.0	24.0	.54	5.1
78. WB	SAR D	*	2143.0	2498.0	1273.0	2442.0	*	872.	266.	AG	170.	10.0	.0	32.0		
79. EB	MUL	*	1074.0	2750.0	1751.0	2780.0	*	678.	87.	AG	1075.	10.0	.0	44.0		
80. EB	MUL	*	1751.0	2780.0	2089.0	2793.0	*	338.	88.	AG	1075.	10.0	.0	68.0		
81. EB	MUL	*	1989.0	2789.0	1835.2	2783.5	*	154.	268.	AG	108.	100.0	.0	48.0	.50	7.8
82. EB	MUL	*	2089.0	2793.0	3078.0	2844.0	*	990.	87.	AG	955.	10.0	.0	44.0		
83. EB	US40	*	1075.0	2846.0	2358.0	2897.0	*	1284.	88.	BR	1485.	10.0	15.0	56.0		
84. EB	US40	*	2358.0	2897.0	2794.0	2848.0	*	439.	96.	BR	1485.	10.0	15.0	56.0		
85. EB	US40	*	2794.0	2848.0	3075.0	2858.0	*	281.	88.	AG	1485.	10.0	.0	56.0		
86. WB	US40	*	2979.0	3201.0	2659.0	3162.0	*	322.	263.	AG	2045.	10.0	.0	56.0		
87. WB	US40	*	2659.0	3162.0	2329.0	3087.0	*	338.	257.	BR	2045.	10.0	15.0	68.0		
88. WB	US40	*	2329.0	3087.0	1320.0	3038.0	*	1010.	267.	BR	2045.	10.0	15.0	68.0		
89. WB	US40	*	1320.0	3038.0	1073.0	3002.0	*	250.	262.	BR	2045.	10.0	15.0	68.0		
90. WB	FRANK	*	2987.0	3218.0	2139.0	3169.0	*	849.	267.	AG	1165.	10.0	.0	56.0		
91. WB	FRANK	*	2183.0	3171.0	2373.6	3182.2	*	191.	87.	AG	70.	100.0	.0	36.0	.68	9.7
92. WB	FRANK	*	2139.0	3169.0	1105.0	3123.0	*	1035.	267.	AG	1605.	10.0	.0	56.0		

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JOB: Site 5-6 MLK & Mulberry/Baltimore EX PM RUN: Site 5-6 Existing PM
DATE: 09/10/2012 TIME: 12:54:23.39

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. NB MLK TRQ	*	150	70	3.0	2245	1492	14.40	1	3
8. NB MLK LQ	*	150	55	3.0	85	85	14.40	1	3
11. NB MLK LTQ FA	*	150	45	3.0	2150	1218	14.40	1	3
16. NB MLK TRQ SA	*	150	62	3.0	2325	1599	14.40	1	3
19. NB MLK LQ SAR	*	150	51	3.0	40	86	14.40	1	3
21. NB MLK TRQ MU	*	150	62	3.0	2535	1757	14.40	1	3
24. NB MLK TQ FRA	*	150	62	3.0	2270	1784	14.40	1	3
27. NB MLK LQ FRA	*	150	120	3.0	315	1863	14.40	1	3
36. SB MLKTQFRA	*	150	90	3.0	1440	1582	14.40	1	3
40. SB MLKRQFRA	*	150	90	3.0	380	1270	14.40	1	3
43. SB MLKTRMUL	*	150	45	3.0	1660	1695	14.40	1	3
46. SB MLK LQ MUL	*	150	45	3.0	45	86	14.40	1	3
49. SB MLKTRSA	*	150	62	3.0	1615	1504	14.40	1	3
52. SB MLKLQSA	*	150	50	3.0	30	81	14.40	1	3
55. SB MLKFAY	*	150	50	3.0	1770	1419	14.40	1	3
58. SB MLKTRQBA	*	150	70	3.0	2090	1369	14.40	1	3
61. SB MLKLBAL	*	150	55	3.0	100	81	14.40	1	3
67. EB BALT	*	150	100	3.0	390	1357	14.40	1	3
71. WB FAY	*	150	100	3.0	995	1272	14.40	1	3
74. EB FAY	*	150	105	3.0	60	889	14.40	1	3
77. WB SAR	*	150	105	3.0	350	1227	14.40	1	3
81. EB MUL	*	150	105	3.0	1075	2022	14.40	1	3
91. WB FRANK	*	150	90	3.0	1165	1558	14.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. S6 R1 SE MID	*	2067.0	801.0	5.0	*
2. S6 R2 SE COR RED	*	2092.0	968.0	5.0	*
3. S6 R3 82 SE	*	2112.0	1043.0	5.0	*
4. S6 R4 SE COR	*	2139.0	1143.0	5.0	*
5. S6 R5 82 ES	*	2237.0	1146.0	5.0	*
6. S6 R6 164 ES	*	2320.0	1149.0	5.0	*
7. S6 R7 MID ES	*	2537.0	1157.0	5.0	*
8. S6 R8 MID EN	*	2537.0	1229.0	5.0	*
9. S6 R9 164 EN	*	2326.0	1213.0	5.0	*
10. S6 R10 82 EN	*	2236.0	1208.0	5.0	*
11. S6 R11 NE COR	*	2145.0	1207.0	5.0	*
12. S6 R12 82 NE	*	2164.0	1292.0	5.0	*
13. S6 R13 164 NE	*	2179.0	1375.0	5.0	*
14. S6 R14 SE COR FAY	*	2210.0	1529.0	5.0	*
15. S6 R15 NE COR FAY	*	2220.0	1608.0	5.0	*
16. S6 R16 NW COR FAY	*	2073.0	1601.0	5.0	*
17. S6 R17 164 NW	*	2054.0	1380.0	5.0	*
18. S6 R18 82 NW	*	2037.0	1298.0	5.0	*
19. S6 R19 NW COR	*	2002.0	1197.0	5.0	*
20. S6 R20 82 WN	*	1909.0	1187.0	5.0	*
21. S6 R21 164 WN	*	1828.0	1179.0	5.0	*
22. S6 R22 MID WN	*	1592.0	1167.0	5.0	*

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JOB: Site 5-6 MLK & Mulberry/Baltimore EX PM RUN: Site 5-6 Existing PM
DATE: 09/10/2012 TIME: 12:54:23.39

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
23. S6 R23 MID WS	1585.0	1108.0	5.0
24. S6 R24 164 WS	1789.0	1120.0	5.0
25. S6 R25 82 WS	1873.0	1126.0	5.0
26. S6 R26 SW COR	1972.0	1122.0	5.0
27. S6 R27 82 SW	1958.0	1026.0	5.0
28. S6 R28 164 SW	1939.0	947.0	5.0
29. S6 R29 MID SW	1911.0	798.0	5.0
30. S5 R1 SE COR SARAT	2183.0	2444.0	5.0
31. S5 R2 164 SE	2159.0	2584.0	5.0
32. S5 R3 82 SE	2153.0	2664.0	5.0
33. S5 R4 SE COR	2154.0	2762.0	5.0
34. S5 R5 82 ES	2245.0	2772.0	5.0
35. S5 R5 164 ES	2328.0	2775.0	5.0
36. S5 R6 MID ES	2556.0	2786.0	5.0
37. S5 R7 NE COR FRAN	2174.0	3214.0	5.0
38. S5 R8 NW COR FRAN	1959.0	3226.0	5.0
39. S5 R8 NE COR MUL	2152.0	2825.0	5.0
40. S5 R8 NW COR MUL	2002.0	2830.0	5.0
41. S5 R9 MID WS	1592.0	2741.0	5.0
42. S5 R10 164 WS	1837.0	2752.0	5.0
43. S5 R11 82 WS	1909.0	2754.0	5.0
44. S5 R12 SW COR	2011.0	2750.0	5.0
45. S5 R13 82 SW	2025.0	2662.0	5.0
46. S5 R14 164 SW	2032.0	2580.0	5.0
47. S5 R15 SW COR SARAT	2038.0	2437.0	5.0
48. S5 R16 NE COR SARAT	2177.0	2531.0	5.0
49. S5 R17 NW COR SARAT	2026.0	2518.0	5.0

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JOB: Site 5-6 MLK & Mulberry/Baltimore EX PM RUN: Site 5-6 Existing PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	1.0	1.6	1.9	1.9	.6	.3	.2	.1	.2	.6	1.8	1.7	1.7	1.3	.8	.5	.6	.7	.4	.0
5.	1.0	1.7	1.5	1.7	.5	.2	.2	.1	.1	.3	1.6	1.7	1.5	1.2	.7	.7	1.0	1.1	.7	.1
10.	.8	1.2	1.4	1.1	.2	.2	.2	.1	.1	.1	1.1	1.2	1.2	.9	.4	.8	1.1	1.3	1.0	.2
15.	.5	1.0	.9	.7	.2	.2	.2	.1	.1	.1	.9	1.0	.9	.6	.2	1.0	1.5	1.7	1.0	.4
20.	.2	.8	.7	.6	.2	.2	.2	.1	.1	.1	.7	.7	.8	.6	.1	1.0	1.6	1.7	1.1	.3
25.	.1	.4	.5	.5	.2	.2	.2	.1	.1	.1	.5	.4	.5	.5	.1	1.2	1.5	1.7	1.4	.5
30.	.1	.2	.4	.4	.3	.3	.2	.1	.1	.1	.4	.3	.4	.5	.0	1.1	1.6	1.9	1.3	.6
35.	.0	.2	.2	.3	.3	.3	.2	.1	.1	.1	.3	.3	.4	.5	.0	1.0	1.8	1.7	1.4	.6
40.	.0	.1	.2	.3	.3	.3	.2	.1	.1	.1	.2	.2	.3	.5	.0	1.0	1.6	1.6	1.4	.5
45.	.0	.1	.2	.3	.3	.3	.2	.0	.1	.1	.2	.2	.2	.5	.0	1.0	1.6	1.5	1.2	.6
50.	.0	.1	.2	.3	.2	.2	.2	.0	.1	.1	.2	.2	.2	.7	.0	1.1	1.6	1.6	1.2	.7
55.	.0	.1	.2	.2	.2	.2	.2	.0	.0	.1	.2	.2	.2	.7	.0	1.0	1.7	1.5	1.3	.7
60.	.0	.1	.2	.2	.2	.2	.2	.0	.0	.0	.2	.2	.2	.7	.0	1.1	1.6	1.4	1.2	.7
65.	.0	.1	.2	.2	.2	.2	.2	.0	.0	.0	.1	.2	.2	.7	.0	1.0	1.5	1.4	1.0	.7
70.	.0	.1	.2	.3	.2	.2	.2	.0	.0	.0	.1	.0	.2	.8	.1	1.0	1.5	1.3	.9	.5
75.	.0	.0	.1	.3	.3	.2	.2	.0	.0	.0	.0	.0	.2	.7	.1	1.1	1.5	1.2	.9	.5
80.	.0	.0	.0	.3	.2	.2	.2	.0	.1	.1	.1	.0	.0	.6	.2	1.1	1.4	1.2	1.0	.5
85.	.0	.0	.0	.2	.2	.2	.2	.1	.1	.1	.1	.0	.0	.5	.4	1.2	1.2	1.1	1.0	.5
90.	.0	.0	.0	.2	.2	.2	.1	.1	.1	.1	.1	.0	.0	.4	.4	1.2	1.2	1.1	1.0	.6
95.	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.0	.0	.3	.5	1.4	1.2	1.2	1.0	.6
100.	.0	.0	.0	.1	.1	.1	.1	.1	.2	.2	.2	.1	.0	.2	.6	1.3	1.3	1.3	1.2	.7
105.	.0	.0	.0	.1	.1	.1	.0	.1	.2	.2	.2	.1	.0	.1	.6	1.1	1.2	1.3	1.1	.7
110.	.0	.0	.0	.1	.0	.0	.0	.1	.2	.2	.2	.1	.0	.1	.6	1.3	1.3	1.3	1.0	.8
115.	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.1	.1	.0	.0	.7	1.2	1.2	1.3	1.1	.7
120.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.7	1.1	1.1	1.2	1.0	.7
125.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.6	1.2	1.2	1.2	1.0	.9
130.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.6	1.1	1.2	1.3	1.1	.9
135.	.0	.1	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.6	1.1	1.2	1.4	1.1	.9
140.	.0	.1	.1	.0	.0	.0	.0	.1	.1	.1	.1	.2	.0	.0	.6	1.0	1.2	1.4	1.2	.8
145.	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.1	.2	.0	.0	.5	1.1	1.2	1.3	1.3	.8
150.	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.1	.2	.1	.0	.5	1.1	1.4	1.5	1.2	.8
155.	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.2	.2	.1	.0	.5	1.1	1.4	1.4	1.3	.8
160.	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.2	.2	.1	.1	.5	1.3	1.4	1.5	1.2	.8
165.	.2	.1	.1	.1	.0	.0	.0	.1	.1	.1	.3	.2	.2	.1	.5	1.3	1.4	1.6	1.4	.8
170.	.2	.2	.1	.1	.0	.0	.0	.1	.1	.1	.3	.3	.3	.1	.5	1.2	1.6	1.5	1.5	.9
175.	.5	.5	.3	.2	.0	.0	.0	.1	.1	.1	.4	.4	.5	.3	.5	1.2	1.5	1.6	1.6	.7
180.	.6	.6	.6	.4	.0	.0	.0	.1	.1	.1	.5	.6	.6	.4	.8	1.1	1.7	1.8	1.4	.6
185.	.7	.9	.9	.8	.0	.0	.0	.1	.1	.1	1.0	.7	.8	.5	.9	1.0	1.5	1.6	1.3	.4
190.	.9	1.0	1.2	.9	.1	.0	.0	.1	.1	.1	1.3	1.2	1.2	1.0	1.3	.8	1.2	1.4	1.1	.3
195.	1.1	1.2	1.2	1.2	.2	.0	.0	.1	.1	.4	1.6	1.4	1.3	1.2	1.4	.5	1.1	1.2	.6	.2
200.	1.0	1.3	1.3	1.5	.4	.0	.0	.1	.1	.5	1.6	1.6	1.4	1.2	1.7	.4	.8	.8	.5	.2
205.	1.1	1.5	1.4	1.5	.5	.1	.0	.1	.2	.6	1.7	1.5	1.6	1.4	1.8	.1	.4	.6	.3	.2

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WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.0	1.3	1.5	1.5	.4	.3	.0	.1	.3	.6	1.7	1.5	1.6	1.5	1.7	.1	.3	.4	.2	.2
215.	1.0	1.3	1.5	1.4	.4	.3	.0	.1	.4	.8	1.6	1.3	1.3	1.4	1.4	.1	.2	.3	.2	.3
220.	1.1	1.4	1.5	1.5	.6	.3	.0	.1	.5	.7	1.5	1.4	1.5	1.4	1.6	.1	.1	.2	.2	.3
225.	1.0	1.4	1.3	1.4	.6	.3	.0	.1	.5	.8	1.4	1.3	1.4	1.2	1.4	.1	.1	.1	.2	.3
230.	1.0	1.4	1.3	1.2	.6	.5	.0	.2	.5	.7	1.4	1.2	1.4	1.3	1.5	.1	.1	.1	.2	.3
235.	1.1	1.4	1.4	1.2	.6	.4	.1	.2	.4	.7	1.4	1.2	1.2	1.3	1.3	.1	.1	.1	.3	.2
240.	.9	1.2	1.3	1.1	.6	.3	.1	.3	.4	.7	1.3	1.1	1.2	1.1	1.4	.1	.1	.2	.3	.2
245.	.9	1.2	1.2	1.1	.6	.3	.2	.3	.4	.6	1.4	1.1	1.2	1.1	1.4	.1	.1	.1	.3	.2
250.	.9	1.3	1.2	1.2	.7	.4	.2	.3	.5	.6	1.3	1.1	1.1	1.1	1.4	.1	.0	.1	.3	.2
255.	.9	1.2	1.2	1.3	.7	.4	.3	.3	.5	.7	1.2	1.1	1.1	1.1	1.3	.1	.0	.1	.2	.2
260.	.9	1.1	1.1	1.1	.6	.4	.3	.3	.5	.7	1.2	1.0	1.0	1.2	1.2	.1	.0	.0	.2	.2
265.	.9	1.1	1.1	1.1	.7	.4	.3	.4	.5	.7	1.1	1.0	1.1	1.2	1.1	.1	.0	.0	.1	.2
270.	.9	1.1	1.1	1.2	.8	.6	.4	.3	.4	.5	1.1	1.1	1.3	1.2	1.3	.1	.0	.0	.1	.1
275.	.9	1.2	1.2	1.3	.8	.6	.5	.2	.3	.5	1.0	1.1	1.2	1.4	1.1	.1	.0	.0	.0	.0
280.	.9	1.2	1.3	1.3	.7	.5	.4	.2	.3	.5	1.0	1.1	1.2	1.3	1.1	.0	.0	.0	.0	.0
285.	.9	1.2	1.3	1.3	.6	.5	.4	.3	.3	.5	1.0	1.1	1.3	1.3	1.1	.0	.0	.0	.0	.0
290.	.9	1.2	1.3	1.2	.7	.5	.4	.2	.3	.5	1.1	1.1	1.2	1.4	1.1	.0	.0	.0	.0	.0
295.	.9	1.2	1.2	1.2	.7	.5	.5	.2	.3	.5	1.1	1.1	1.2	1.3	1.0	.0	.0	.0	.0	.0
300.	.9	1.1	1.2	1.1	.6	.5	.3	.2	.3	.5	1.0	1.0	1.3	1.2	1.1	.0	.0	.0	.0	.0
305.	.9	1.1	1.1	1.2	.6	.5	.4	.2	.4	.5	1.1	1.0	1.2	1.1	1.1	.0	.0	.0	.0	.0
310.	.9	1.1	1.2	1.2	.6	.5	.3	.1	.4	.6	1.1	1.2	1.2	1.4	1.2	.0	.0	.0	.0	.0
315.	1.0	1.2	1.2	1.2	.6	.6	.3	.2	.4	.5	1.1	1.1	1.2	1.4	1.1	.0	.0	.1	.0	.0
320.	.9	1.2	1.2	1.3	.7	.6	.4	.3	.3	.5	1.1	1.2	1.2	1.4	1.2	.0	.0	.1	.0	.0
325.	1.0	1.2	1.3	1.3	.7	.5	.3	.3	.4	.6	1.2	1.3	1.5	1.5	1.2	.0	.0	.1	.0	.0
330.	1.0	1.4	1.2	1.4	.6	.4	.2	.3	.4	.5	1.3	1.3	1.5	1.5	1.2	.0	.0	.1	.0	.0
335.	1.0	1.3	1.4	1.4	.6	.4	.4	.4	.4	.5	1.4	1.4	1.6	1.7	1.3	.0	.0	.1	.0	.0
340.	1.1	1.3	1.4	1.5	.7	.5	.3	.3	.4	.5	1.3	1.4	1.6	1.8	1.3	.0	.0	.1	.0	.0
345.	1.2	1.6	1.4	1.5	.8	.5	.2	.1	.6	.6	1.4	1.6	1.9	1.7	1.3	.1	.0	.1	.0	.0
350.	1.1	1.5	1.8	1.6	.9	.7	.2	.1	.5	.8	1.6	1.8	1.9	1.6	1.2	.2	.2	.2	.1	.0
355.	1.1	1.7	1.7	1.8	.7	.5	.2	.1	.3	.7	1.7	1.9	1.9	1.4	1.2	.4	.4	.5	.1	.0
360.	1.0	1.6	1.9	1.9	.6	.3	.2	.1	.2	.6	1.8	1.7	1.7	1.3	.8	.5	.6	.7	.4	.0
MAX	1.2	1.7	1.9	1.9	.9	.7	.5	.4	.6	.8	1.8	1.9	1.9	1.8	1.8	1.4	1.8	1.9	1.6	.9
DEGR.	345	5	0	0	350	350	275	265	345	215	0	355	345	340	205	95	35	30	175	125

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MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	.0	.0	.1	.1	.3	.2	.2	.3	.3	.8	1.3	1.2	1.5	.7	.7	.7	.9	.0	1.2	1.0
5.	.0	.0	.1	.1	.3	.5	.3	.4	.5	.8	1.1	1.1	1.1	.7	.6	.7	.8	.0	1.2	1.2
10.	.1	.0	.1	.1	.4	.8	.7	.5	.7	.6	.9	.9	1.0	.8	.7	.7	.7	.1	.9	1.5
15.	.1	.0	.1	.2	.5	.9	1.1	.9	.9	.5	.6	.8	.9	.8	.7	.8	.5	.1	.6	1.4
20.	.2	.0	.1	.1	.5	1.0	1.3	1.3	1.3	.4	.5	.7	.8	.8	.7	.8	.4	.2	.6	1.6
25.	.2	.0	.1	.3	.7	1.2	1.2	1.3	1.3	.4	.6	.7	.8	.7	.6	.7	.4	.5	.5	1.6
30.	.3	.0	.1	.3	.8	1.1	1.2	1.3	1.5	.5	.4	.5	.8	.6	.6	.7	.2	.8	.5	1.7
35.	.4	.0	.1	.6	.7	1.2	1.2	1.3	1.2	.4	.4	.5	.7	.7	.7	.7	.0	.9	.6	1.6
40.	.4	.0	.2	.5	.9	1.2	1.2	1.4	1.2	.4	.4	.6	.7	.7	.8	.6	.0	1.0	.6	1.6
45.	.3	.0	.2	.5	1.1	1.1	1.2	1.3	1.2	.4	.3	.6	.7	.7	.8	.6	.0	.9	.5	1.6
50.	.4	.0	.2	.5	.9	1.2	1.2	1.2	1.1	.4	.3	.4	.7	.9	.8	.6	.0	.9	.5	1.7
55.	.5	.0	.2	.6	.9	1.2	1.3	1.2	1.1	.3	.3	.3	.8	.6	.7	.6	.0	.9	.6	1.6
60.	.5	.1	.4	.5	.7	1.1	1.2	1.2	.9	.2	.3	.3	.7	.7	.7	.6	.0	.9	.7	1.5
65.	.5	.2	.3	.4	.8	1.1	1.2	1.1	1.0	.1	.2	.2	.6	.6	.6	.7	.0	.8	.6	1.4
70.	.3	.1	.3	.5	1.0	1.0	1.2	1.1	.9	.1	.1	.2	.5	.7	.6	.7	.1	.9	.4	1.4
75.	.3	.1	.4	.7	.9	1.1	1.1	1.0	1.0	.1	.1	.2	.5	.6	.6	.7	.1	.9	.5	1.4
80.	.3	.2	.3	.8	.9	1.1	1.0	1.0	1.0	.1	.0	.1	.5	.5	.6	.6	.2	.9	.5	1.5
85.	.4	.2	.4	.8	.9	.9	1.0	1.0	.9	.1	.0	.1	.4	.5	.5	.5	.6	.9	.5	1.4
90.	.7	.5	.4	.5	.9	.9	1.0	1.0	.9	.0	.0	.0	.3	.4	.4	.4	.6	1.2	.5	1.3
95.	.8	.4	.4	.4	.7	1.0	1.0	1.0	.9	.0	.1	.0	.2	.2	.2	.3	.7	1.3	.5	1.5
100.	.7	.4	.3	.5	.5	.9	1.0	1.1	.9	.0	.1	.0	.1	.1	.1	.1	.8	1.5	.6	1.2
105.	.6	.4	.3	.5	.5	.9	1.0	1.1	.9	.0	.1	.0	.1	.1	.1	.1	.8	1.3	.5	1.2
110.	.7	.4	.3	.5	.7	.9	1.0	1.0	.9	.0	.2	.1	.0	.1	.0	.0	.8	1.2	.4	1.3
115.	.7	.4	.2	.4	.6	.9	1.0	.9	.9	.0	.2	.1	.0	.0	.0	.0	.9	1.4	.4	1.2
120.	.7	.4	.4	.3	.6	.9	1.0	1.0	.9	.0	.2	.1	.0	.0	.0	.0	1.0	1.3	.4	1.3
125.	.7	.4	.2	.3	.6	.9	1.0	1.0	1.0	.0	.2	.1	.0	.0	.0	.0	.9	1.3	.4	1.3
130.	.7	.5	.2	.3	.4	.9	1.0	.9	1.0	.0	.3	.1	.0	.0	.0	.0	1.0	1.3	.3	1.1
135.	.7	.4	.2	.4	.4	1.0	1.0	1.1	.9	.0	.3	.1	.0	.0	.0	.0	1.0	1.3	.3	1.3
140.	.5	.4	.2	.4	.5	1.0	1.2	1.1	1.1	.0	.3	.1	.0	.0	.0	.0	.9	1.3	.3	1.3
145.	.6	.2	.2	.4	.4	1.0	1.1	1.1	1.3	.0	.3	.2	.1	.0	.0	.0	.8	1.4	.3	1.4
150.	.6	.2	.1	.4	.5	1.0	1.1	1.3	1.2	.0	.4	.2	.1	.0	.0	.0	.8	1.4	.3	1.5
155.	.6	.1	.0	.4	.6	1.1	1.2	1.4	1.3	.1	.4	.3	.1	.0	.0	.0	.8	1.3	.4	1.5
160.	.6	.1	.0	.5	.6	1.1	1.3	1.5	1.3	.2	.6	.6	.2	.0	.0	.0	.7	1.3	.4	1.4
165.	.6	.1	.0	.3	.6	1.1	1.4	1.5	1.3	.3	.8	.7	.5	.0	.0	.0	.8	1.2	.6	1.4
170.	.3	.1	.0	.2	.5	1.2	1.6	1.6	1.1	.7	1.1	1.0	.8	.0	.0	.0	.9	1.2	1.0	1.2
175.	.4	.1	.0	.0	.4	1.2	1.6	1.4	1.0	.9	1.4	1.3	1.0	.1	.0	.0	1.1	1.1	1.3	.9
180.	.2	.1	.0	.0	.2	1.0	1.3	1.3	.6	1.2	1.7	1.5	1.2	.3	.1	.0	1.2	.9	1.5	.6

185. *	.1	.1	.0	.0	.1	1.0	1.1	.9	.4	1.4	1.7	1.7	1.5	.4	.1	.0	1.5	.8	1.6	.7
190. *	.1	.1	.0	.0	.0	.7	.9	.7	.2	1.4	1.7	1.9	1.6	.4	.2	.0	1.7	.7	1.8	.5
195. *	.1	.1	.0	.0	.0	.3	.7	.6	.2	1.3	1.8	1.8	1.4	.5	.3	.0	1.8	.6	1.7	.4
200. *	.1	.1	.0	.0	.0	.3	.4	.4	.1	1.3	1.7	1.7	1.4	.5	.3	.1	1.9	.6	1.7	.5
205. *	.1	.1	.0	.0	.0	.1	.3	.2	.0	1.2	1.7	1.7	1.4	.6	.4	.1	1.7	.6	1.7	.5

1

JOB: Site 5-6 MLK & Mulberry/Baltimore EX PM RUN: Site 5-6 Existing PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210. *	.2	.1	.0	.0	.0	.1	.1	.2	.0	1.2	1.6	1.5	1.3	.7	.3	.2	1.9	.6	1.4	.5
215. *	.2	.2	.0	.0	.0	.0	.1	.1	.0	1.2	1.5	1.5	1.4	.6	.3	.2	1.8	.6	1.5	.5
220. *	.2	.2	.0	.0	.0	.0	.1	.0	.0	1.1	1.3	1.3	1.3	.5	.5	.2	1.8	.7	1.6	.5
225. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	1.4	1.2	.5	.4	.2	1.9	.8	1.5	.6
230. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.1	1.3	1.4	1.2	.5	.3	.3	1.7	.8	1.4	.7
235. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	1.2	1.2	.6	.3	.1	1.7	.8	1.5	.7
240. *	.2	.2	.1	.1	.1	.0	.0	.0	.0	1.0	1.1	1.2	1.0	.5	.3	.1	1.7	.7	1.5	.7
245. *	.2	.2	.1	.1	.1	.0	.0	.0	.0	.9	1.1	1.2	1.0	.5	.3	.1	1.9	.7	1.5	.7
250. *	.2	.2	.1	.1	.1	.0	.0	.0	.0	.9	1.1	1.2	1.1	.4	.5	.2	1.9	.6	1.5	.8
255. *	.2	.2	.1	.1	.1	.1	.0	.0	.0	.9	1.2	1.2	1.0	.6	.4	.2	1.7	.6	1.7	.8
260. *	.2	.2	.2	.2	.2	.1	.0	.0	.0	.8	1.2	1.3	1.1	.6	.5	.4	1.5	.4	1.7	.7
265. *	.2	.2	.2	.2	.2	.1	.0	.0	.0	.8	1.3	1.4	1.5	1.0	.8	.4	1.2	.4	1.8	.7
270. *	.2	.1	.2	.2	.2	.3	.0	.0	.0	.8	1.2	1.3	1.6	1.0	.9	.6	1.2	.2	1.8	.7
275. *	.1	.0	.2	.2	.2	.3	.0	.0	.0	1.0	1.2	1.4	1.8	1.3	1.0	.8	1.2	.1	1.9	.8
280. *	.0	.0	.2	.2	.2	.3	.0	.0	.0	1.0	1.4	1.6	1.9	1.3	1.0	.9	1.1	.1	1.4	.6
285. *	.0	.0	.2	.2	.2	.3	.1	.0	.0	1.0	1.4	1.6	1.8	1.2	1.3	1.1	1.1	.0	1.6	.7
290. *	.0	.0	.2	.2	.2	.3	.1	.0	.0	1.0	1.4	1.5	1.9	1.3	1.1	1.1	.9	.0	1.4	.6
295. *	.0	.0	.2	.2	.2	.3	.1	.0	.0	1.2	1.4	1.6	1.9	1.3	1.1	1.1	.9	.0	1.5	.7
300. *	.0	.0	.2	.2	.2	.3	.1	.0	.0	1.2	1.7	1.7	1.8	1.2	1.2	1.1	.9	.0	1.6	.6
305. *	.0	.0	.2	.2	.2	.2	.1	.0	.0	1.3	1.9	1.8	1.7	1.2	1.2	.9	.8	.0	1.6	.6
310. *	.0	.0	.2	.2	.3	.2	.1	.0	.0	1.3	1.9	1.9	1.9	1.2	1.1	.9	1.0	.0	1.6	.6
315. *	.0	.0	.2	.2	.3	.2	.1	.0	.0	1.5	1.8	1.9	1.9	1.3	1.0	.7	1.0	.0	1.6	.6
320. *	.0	.0	.1	.1	.2	.2	.0	.0	.0	1.6	2.0	2.0	1.8	1.2	.9	.8	1.0	.0	1.8	.6
325. *	.0	.0	.1	.1	.2	.2	.0	.0	.0	1.6	2.1	1.9	1.8	1.2	.8	.8	1.0	.0	1.9	.6
330. *	.0	.0	.1	.1	.2	.2	.0	.0	.0	1.7	2.0	1.9	2.0	1.2	.8	.7	1.0	.0	1.7	.6
335. *	.0	.0	.1	.1	.2	.2	.0	.0	.0	1.7	2.0	2.1	2.1	1.0	.8	.7	1.0	.0	1.8	.5
340. *	.0	.0	.1	.1	.2	.2	.0	.0	.0	1.8	1.9	1.9	2.0	1.1	.8	.7	1.0	.0	1.8	.6
345. *	.0	.0	.1	.1	.2	.2	.0	.1	.0	1.5	2.1	1.9	2.0	.8	.7	.7	.9	.0	1.8	.6
350. *	.0	.0	.1	.1	.3	.2	.1	.1	.1	1.4	1.9	1.8	1.7	.8	.7	.7	1.1	.0	1.7	.8
355. *	.0	.0	.1	.1	.3	.2	.1	.1	.2	1.1	1.7	1.7	1.7	.9	.7	.7	1.0	.0	1.5	.8
360. *	.0	.0	.1	.1	.3	.2	.2	.3	.3	.8	1.3	1.2	1.5	.7	.7	.7	.9	.0	1.2	1.0
MAX *	.8	.5	.4	.8	1.1	1.2	1.6	1.6	1.5	1.8	2.1	2.1	2.1	1.3	1.3	1.1	1.9	1.5	1.9	1.7
DEGR. *	95	90	60	80	45	40	170	170	30	340	325	335	335	275	285	295	200	100	275	30

1

JOB: Site 5-6 MLK & Mulberry/Baltimore EX PM RUN: Site 5-6 Existing PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
0. *	.7	.9	1.0	1.3	1.2	1.3	1.2	.8	1.2
5. *	.7	.9	1.0	1.5	1.3	1.4	1.4	.7	1.2
10. *	.7	.9	1.1	1.7	1.4	1.4	1.4	.4	1.2
15. *	.7	.9	1.2	1.6	1.5	1.7	1.5	.3	1.3
20. *	.7	1.0	1.3	1.8	1.5	1.7	1.3	.3	1.3
25. *	.7	1.1	1.3	1.6	1.6	1.6	1.3	.2	1.4
30. *	.7	1.3	1.2	1.7	1.7	1.6	1.4	.3	1.3
35. *	.7	1.4	1.4	1.6	1.6	1.6	1.3	.3	1.4
40. *	.7	1.2	1.5	1.8	1.5	1.5	1.1	.2	1.4
45. *	.8	1.5	1.5	1.8	1.5	1.4	1.1	.2	1.2
50. *	.8	1.5	1.7	1.6	1.4	1.3	1.3	.2	1.3
55. *	.8	1.6	1.7	1.7	1.4	1.3	1.2	.2	1.2
60. *	1.0	1.6	1.5	1.6	1.3	1.3	1.0	.2	1.2
65. *	1.0	1.5	1.5	1.4	1.2	1.3	1.2	.1	1.2
70. *	.9	1.4	1.5	1.5	1.3	1.3	.9	.0	1.1
75. *	.8	1.5	1.3	1.4	1.3	1.2	.9	.0	.9
80. *	.8	1.4	1.3	1.4	1.3	1.1	1.0	.1	.9
85. *	.7	1.2	1.1	1.3	1.2	1.1	.9	.1	.9
90. *	.5	.9	1.0	1.2	1.2	1.1	.8	.1	.9
95. *	.3	.7	.8	1.0	1.1	1.2	.8	.2	1.0
100. *	.3	.7	.7	1.0	1.1	1.2	.8	.3	.9
105. *	.1	.5	.5	.9	1.1	1.2	.8	.3	.9
110. *	.1	.5	.5	1.0	1.0	1.2	.8	.2	1.0
115. *	.1	.5	.5	1.0	1.1	1.1	.9	.2	.9
120. *	.0	.4	.5	1.0	1.1	1.1	1.0	.2	.8
125. *	.1	.3	.4	1.0	1.1	1.1	1.0	.2	1.0
130. *	.2	.3	.4	1.2	1.2	1.2	1.1	.2	.9

135.	*	.2	.4	.4	1.2	1.3	1.2	1.1	.2	1.1
140.	*	.2	.5	.4	1.2	1.3	1.2	1.1	.2	1.0
145.	*	.1	.4	.5	1.3	1.4	1.2	1.1	.2	1.1
150.	*	.0	.3	.5	1.4	1.3	1.3	1.1	.2	1.1
155.	*	.0	.2	.4	1.2	1.4	1.3	1.2	.2	.9
160.	*	.0	.2	.4	1.2	1.2	1.2	1.1	.4	1.0
165.	*	.0	.1	.2	1.2	1.2	1.2	1.0	.4	1.0
170.	*	.0	.1	.2	1.0	1.0	1.1	1.0	.8	.7
175.	*	.0	.0	.1	.9	.9	.7	.8	.9	.6
180.	*	.0	.0	.0	.5	.6	.6	.6	1.1	.4
185.	*	.0	.0	.0	.3	.3	.4	.2	1.2	.2
190.	*	.0	.0	.0	.3	.3	.2	.1	1.3	.1
195.	*	.0	.0	.0	.0	.1	.2	.1	1.4	.1
200.	*	.0	.0	.0	.0	.1	.1	.1	1.4	.0
205.	*	.0	.0	.0	.0	.1	.1	.0	1.4	.0

1

JOB: Site 5-6 MLK & Mulberry/Baltimore EX PM RUN: Site 5-6 Existing PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
210.	*	.0	.0	.0	.0	.1	.0	.0	1.3	.1
215.	*	.0	.0	.0	.0	.0	.0	.0	1.3	.1
220.	*	.0	.0	.0	.0	.0	.0	.0	1.2	.1
225.	*	.0	.0	.0	.0	.0	.0	.0	1.1	.1
230.	*	.0	.0	.0	.0	.0	.0	.0	1.2	.1
235.	*	.0	.1	.1	.0	.0	.0	.0	1.2	.1
240.	*	.0	.1	.1	.0	.0	.0	.0	1.0	.1
245.	*	.0	.1	.1	.0	.0	.0	.0	1.0	.1
250.	*	.1	.2	.1	.1	.0	.0	.0	1.1	.1
255.	*	.1	.2	.3	.1	.0	.0	.0	1.2	.1
260.	*	.2	.4	.4	.3	.0	.0	.0	1.1	.1
265.	*	.3	.5	.6	.5	.0	.0	.0	1.0	.1
270.	*	.4	.5	.7	.6	.1	.0	.0	1.0	.0
275.	*	.5	.7	.9	.7	.2	.0	.0	1.0	.0
280.	*	.5	.7	1.0	.9	.2	.1	.0	1.0	.0
285.	*	.7	.7	.9	1.0	.3	.2	.0	1.2	.1
290.	*	.6	.8	1.1	1.0	.3	.2	.0	1.3	.2
295.	*	.7	.8	1.2	1.1	.4	.2	.2	1.3	.2
300.	*	.7	.9	1.1	1.1	.5	.2	.2	1.4	.2
305.	*	.7	.9	1.1	1.1	.5	.5	.2	1.5	.2
310.	*	.8	.8	1.1	1.0	.5	.4	.2	1.7	.3
315.	*	.9	.7	1.1	.9	.5	.4	.3	1.7	.3
320.	*	.8	.7	1.1	.9	.5	.5	.3	1.5	.4
325.	*	.7	.7	1.0	.9	.6	.6	.3	1.6	.4
330.	*	.7	.7	1.0	.8	.6	.6	.4	1.6	.4
335.	*	.7	.8	1.0	.8	.6	.6	.4	1.6	.5
340.	*	.7	.8	1.0	.9	.8	.7	.5	1.5	.5
345.	*	.7	.8	1.0	.9	.8	.9	.5	1.5	.6
350.	*	.7	.8	1.0	1.0	.8	.8	.8	1.2	.7
355.	*	.7	.9	1.0	1.2	1.0	1.2	1.0	1.0	.8
360.	*	.7	.9	1.0	1.3	1.2	1.3	1.2	.8	1.2
MAX	*	1.0	1.6	1.7	1.8	1.7	1.7	1.5	1.7	1.4
DEGR.	*	60	55	50	45	30	15	15	310	25

THE HIGHEST CONCENTRATION IS 2.10 PPM AT 325 DEGREES FROM REC31.
THE 2ND HIGHEST CONCENTRATION IS 2.10 PPM AT 335 DEGREES FROM REC32.
THE 3RD HIGHEST CONCENTRATION IS 2.10 PPM AT 335 DEGREES FROM REC33.

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Site 5-6 MLK & Mulberry/Balt NB 2021 AM 60.0321.0.0000.000490.30480000    1    1
S6 R1 SE MID              2067.      801.        5.
S6 R2 SE COR RED          2092.      968.        5.
S6 R3 82 SE               2112.     1043.        5.
S6 R4 SE COR              2139.     1143.        5.
S6 R5 82 ES               2237.     1146.        5.
S6 R6 164 ES              2320.     1149.        5.
S6 R7 MID ES              2537.     1157.        5.
S6 R8 MID EN              2537.     1229.        5.
S6 R9 164 EN              2326.     1213.        5.
S6 R10 82 EN              2236.     1208.        5.
S6 R11 NE COR             2145.     1207.        5.
S6 R12 82 NE              2164.     1292.        5.
S6 R13 164 NE             2179.     1375.        5.
S6 R14 SE COR FAY         2210.     1529.        5.
S6 R15 NE COR FAY         2220.     1608.        5.
S6 R16 NW COR FAY         2073.     1601.        5.
S6 R17 164 NW             2054.     1380.        5.
S6 R18 82 NW              2037.     1298.        5.
S6 R19 NW COR             2002.     1197.        5.
S6 R20 82 WN              1909.     1187.        5.
S6 R21 164 WN             1828.     1179.        5.
S6 R22 MID WN             1592.     1167.        5.
S6 R23 MID WS             1585.     1108.        5.
S6 R24 164 WS             1789.     1120.        5.
S6 R25 82 WS              1873.     1126.        5.
S6 R26 SW COR             1972.     1122.        5.
S6 R27 82 SW              1958.     1026.        5.
S6 R28 164 SW             1939.      947.        5.
S6 R29 MID SW             1911.      798.        5.
S5 R1 SE COR SARAT        2183.     2444.        5.
S5 R2 164 SE              2159.     2584.        5.
S5 R3 82 SE               2153.     2664.        5.
S5 R4 SE COR              2154.     2762.        5.
S5 R5 82 ES               2245.     2772.        5.
S5 R5 164 ES              2328.     2775.        5.
S5 R6 MID ES              2556.     2786.        5.
S5 R7 NE COR FRAN         2174.     3214.        5.
S5 R8 NW COR FRAN         1959.     3226.        5.
S5 R8 NE COR MUL          2152.     2825.        5.
S5 R8 NW COR MUL          2002.     2830.        5.
S5 R9  MID WS             1592.     2741.        5.
S5 R10 164 WS             1837.     2752.        5.
S5 R11 82 WS              1909.     2754.        5.
S5 R12 SW COR             2011.     2750.        5.
S5 R13 82 SW              2025.     2662.        5.
S5 R14 164 SW             2032.     2580.        5.
S5 R15 SW COR SARAT       2038.     2437.        5.
S5 R16 NE COR SARAT       2177.     2531.        5.
S5 R17 NW COR SARAT       2026.     2518.        5.
Site 5-6 NB 2021 AM                      92  1   0
  1
NB        MLK AP    AG  2135.   161.  2042.   443.   2795. 8.1  0. 56.   35.
  1
NB        MLK AP    AG  2042.   443.  2012.   664.   2795. 8.1  0. 56.   35.
  1
NB        MLK AP    AG  2012.   664.  2028.   856.   2795. 8.1  0. 56.   35.
  1
NB        MLK TR    AG  2028.   856.  2109.  1174.   2645. 8.1  0. 68.   35.
  2
NB        MLK TRQ   AG  2095.  1119.  2046.   925.      0. 48.   4
       150        75       3.0 2645   43.6 1570 1 3
  1
NB        MLK L     AG  2028.   856.  2017.   903.    150. 8.1  0. 32.   35.
  1
NB        MLK L     AG  2017.   903.  2089.  1173.    150. 8.1  0. 32.   35.
  2
NB        MLK LQ    AG  2074.  1117.  2025.   932.      0. 12.   1
       150        50       3.0  150   43.6   83 1 3
  1
NB        MLK D FAY AG  2109.  1174.  2145.  1344.   2295. 8.1  0. 56.   35.
  1
NB        MLK LTA FAAG  2145.  1344.  2173.  1566.   2295. 8.1  0. 68.   35.
  2
NB        MLK LTQ FAAG  2165.  1509.  2150.  1384.      0. 48.   4
       150        50       3.0 2295   43.6 1253 1 3
  1
NB        MLK D FAY AG  2173.  1566.  2188.  1656.   2385. 8.1  0. 56.   35.
  1
NB        MLK A SAR AG  2188.  1656.  2193.  1941.   2385. 8.1  0. 56.   35.
  1
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NB        MLK A SAR AG  2193.  1941.  2157.  2311.   2385. 8.1  0. 56.   35.
  1
NB        MLK TR SARAG  2157.  2311.  2139.  2484.   2315. 8.1  0. 56.   35.
  2
NB        MLK TRQ SAAG  2146.  2425.  2156.  2329.      0. 36.   3
       150        70       3.0 2315   43.6 1800 1 3
  1
NB        MLK L SAR AG  2157.  2311.  2131.  2365.     70. 8.1  0. 32.   35.
  1
NB        MLK L SAR AG  2131.  2365.  2119.  2484.     70. 8.1  0. 32.   35.
  2
NB        MLK LQ SARAG  2125.  2427.  2130.  2380.      0. 12.   1
       150        58       3.0   70   43.6   86 1 3
  1
NB        MLK A MUL AG  2139.  2484.  2117.  2791.   2165. 8.1  0. 56.   35.
  2
NB        MLK TRQ MUAG  2120.  2746.  2132.  2589.      0. 36.   3
       150        72       3.0 2165   43.6 1800 1 3
  1
NB        MLK A FRA AG  2117.  2791.  2116.  2956.   2200. 8.1  0. 56.   35.
  1
NB        MLK T A FRAG  2116.  2956.  2131.  3176.   2060. 8.1  0. 56.   35.
  2
NB        MLK TQ FRAAG  2128.  3130.  2123.  3053.      0. 36.   3
       150        49       3.0 2060   43.6 1800 1 3
  1
NB        MLK L A FRAG  2116.  2956.  2096.  3008.    140. 8.1  0. 32.   35.
  1
NB        MLK L QFRAAG  2096.  3008.  2105.  3170.    140. 8.1  0. 32.   35.
  2
NB        MLK LQ FRAAG  2103.  3132.  2097.  3039.      0. 12.   1
       150       125       3.0  140   43.6 1486 1 3
  1
NB        MLK D FRA AG  2131.  3176.  2153.  3319.   2065. 8.1  0. 56.   35.
  1
NB        MLK D FRA AG  2153.  3319.  2184.  3423.   2065. 8.1  0. 56.   35.
  1
NB        MLK D FRA AG  2184.  3423.  2254.  3560.   2065. 8.1  0. 56.   35.
  1
NB        MLK D FRA AG  2254.  3560.  2396.  3748.   2065. 8.1  0. 56.   35.
  1
SB        MLKTRAFRA AG  2341.  3759.  2244.  3658.   2875. 8.1  0. 56.   35.
  1
SB        MLKTAFRA  AG  2244.  3658.  2132.  3493.   2600. 8.1  0. 56.   35.
  1
SB        MLKTAFRA  AG  2132.  3493.  2064.  3332.   2600. 8.1  0. 56.   35.
  1
SB        MLKTAFRA  AG  2064.  3332.  2024.  3162.   2600. 8.1  0. 56.   35.
  2
SB        MLKTQFRA  AG  2034.  3206.  2056.  3297.      0. 36.   3
       150        79       3.0 2600   43.6 1700 1 3
  1
SB        MLKRFRA   AG  2244.  3658.  2135.  3562.    275. 8.1  0. 44.   35.
  1
SB        MLKRAFRA  AG  2135.  3562.  2040.  3397.    275. 8.1  0. 44.   35.
  1
SB        MLKRAFRA  AG  2040.  3397.  1976.  3186.    275. 8.1  0. 44.   35.
  2
SB        MLKRQFRA  AG  1985.  3217.  2013.  3310.      0. 24.   2
       150        79       3.0  275   43.6 1148 1 3
  1
SB        MLKDFRA   AG  2024.  3162.  2029.  3027.   2880. 8.1  0. 56.   35.
  1
SB        MLKTRMUL  AG  2029.  3027.  2042.  2797.   2820. 8.1  0. 56.   35.
  2
SB        MLKTRMUL  AG  2040.  2832.  2034.  2933.      0. 36.   3
       150        55       3.0 2820   43.6 1600 1 3
  1
SB        MLKLMUL   AG  2029.  3027.  2054.  2949.     60. 8.1  0. 32.   35.
  1
SB        MLKLMUL   AG  2054.  2949.  2064.  2802.     60. 8.1  0. 32.   35.
  2
SB        MLK LQ MULAG  2061.  2844.  2055.  2939.      0. 12.   1
       150        56       3.0   60   43.6   82 1 3
  1
SB        MLKASAR   AG  2042.  2797.  2055.  2668.   3070. 8.1  0. 56.   35.
  1
SB        MLKTRSAR  AG  2055.  2668.  2072.  2477.   2840. 8.1  0. 56.   35.
  2
SB        MLKTRSA   AG  2067.  2534.  2057.  2649.      0. 36.   3
       150        63       3.0 2840   43.6 1413 1 3
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  1
SB        MLKLASAR  AG  2055.  2668.  2080.  2629.    230. 8.1  0. 32.   35.
  1
SB        MLK LA SARAG  2080.  2629.  2095.  2483.    230. 8.1  0. 32.   35.
  2
SB        MLKLQSA   AG  2090.  2532.  2081.  2619.      0. 12.   1
       150        47       3.0  230   43.6   76 1 3
  1
SB        MLK A FAY AG  2072.  2477.  2125.  1886.   2925. 8.1  0. 56.   35.
  1
SB        MLKAFAY   AG  2125.  1886.  2117.  1558.   2925. 8.1  0. 56.   35.
  2
SB        MLKFAY    AG  2118.  1601.  2121.  1732.      0. 36.   3
       150        50       3.0 2925   43.6 1416 1 3
  1
SB        MLKABAL   AG  2117.  1558.  2089.  1397.   3060. 8.1  0. 56.   35.
  1
SB        MLKTRBAL  AG  2089.  1397.  2030.  1159.   2830. 8.1  0. 56.   35.
  2
SB        MLKTRQBA  AG  2045.  1220.  2071.  1325.      0. 36.   3
       150        70       3.0 2830   43.6 1514 1 3
  1
SB        MLKLBAL   AG  2089.  1397.  2096.  1330.    230. 8.1  0. 32.   35.
  1
SB        MLKLBAL   AG  2096.  1330.  2052.  1157.    230. 8.1  0. 32.   35.
  2
SB        MLKLBAL   AG  2068.  1221.  2094.  1321.      0. 12.   1
       150        59       3.0  230   43.6   81 1 3
  1
SB        MLK D BAL AG  2030.  1159.  1956.   881.   2845. 8.1  0. 56.   35.
  1
SB        MLK D BAL AG  1956.   881.  1942.   661.   2845. 8.1  0. 56.   35.
  1
SB        MLK D BAL AG  1942.   661.  1970.   406.   2845. 8.1  0. 56.   35.
  1
SB        MLK D BAL AG  1970.   406.  2079.   127.   2845. 8.1  0. 56.   35.
  1
EB        BALT      AG  1066.  1093.  2024.  1153.    390. 8.1  0. 44.   30.
  2
EB        BALT      AG  1968.  1149.  1831.  1141.      0. 24.   2
       150       105       3.0  390   43.6 1398 1 3
  1
EB        BALT D    AG  2030.  1159.  3081.  1213.    840. 8.1  0. 44.   30.
  1
WB        BALT      AG  2000.  1170.  1055.  1113.    265. 8.1  0. 32.   30.
  1
WB        FAY       AG  2969.  1609.  2152.  1562.    525. 8.1  0. 68.   30.
  2
WB        FAY       AG  2225.  1566.  2468.  1580.      0. 48.   4
       150       109       3.0  525   43.6 1270 1 3
  1
WB        FAY       AG  2152.  1562.  1122.  1513.    300. 8.1  0. 68.   30.
  1
EB        SAR       AG  1281.  2430.  2095.  2471.    450. 8.1  0. 32.   30.
  2
EB        SAR       AG  2022.  2467.  1857.  2459.      0. 12.   1
       150       115       3.0  450   43.6 1055 1 3
  1
EB        SAR D     AG  2095.  2471.  3028.  2519.    790. 8.1  0. 44.   30.
  1
WB        SAR       AG  3038.  2535.  2143.  2498.    235. 8.1  0. 44.   30.
  2
WB        SAR       AG  2183.  2500.  2479.  2512.      0. 24.   2
       150       115       3.0  235   43.6 1042 1 3
  1
WB        SAR D     AG  2143.  2498.  1273.  2442.    260. 8.1  0. 32.   30.
  1
EB        MUL       AG  1074.  2750.  1751.  2780.   1930. 8.1  0. 44.   30.
  1
EB        MUL       AG  1751.  2780.  2089.  2793.   1930. 8.1  0. 68.   30.
  2
EB        MUL       AG  1989.  2789.  1849.  2784.      0. 48.   4
       150       105       3.0 1930   43.6 1364 1 3
  1
EB        MUL       AG  2089.  2793.  3078.  2844.   1705. 8.1  0. 44.   30.
  1
EB        US40      BR  1075.  2846.  2358.  2897.   1975. 8.1 15. 56.   35.
  1
EB        US40      BR  2358.  2897.  2794.  2848.   1975. 8.1 15. 56.   35.
  1
EB        US40      AG  2794.  2848.  3075.  2858.   1975. 8.1  0. 56.   35.
```

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  1
WB        US40      AG  2979.  3201.  2659.  3162.   1150. 8.1  0. 56.   35.
  1
WB        US40      BR  2659.  3162.  2329.  3087.   1150. 8.1  15  68   35.
  1
WB        US40      BR  2329.  3087.  1320.  3038.   1150. 8.1  15  68   35.
  1
WB        US40      BR  1320.  3038.  1073.  3002.   1150. 8.1  15  68   35.
  1
WB        FRANK     AG  2987.  3218.  2139.  3169.    970. 8.1  0. 56.   30.
  2
WB        FRANK     AG  2183.  3171.  2404.  3184.      0. 36.   3
       150       111       3.0  970   43.6 1392 1 3
  1
WB        FRANK     AG  2139.  3169.  1105.  3123.   1100. 8.1  0. 56.   30.
1.0   04  1000   0Y  5  0 72
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JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 AM RUN: Site 5-6 NB 2021 AM
DATE: 09/10/2012 TIME: 14:06:37.18

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB MLK AP	*	2135.0	161.0	2042.0	443.0	*	297.	342.	AG	2795.	8.1	.0	56.0		
2. NB MLK AP	*	2042.0	443.0	2012.0	664.0	*	223.	352.	AG	2795.	8.1	.0	56.0		
3. NB MLK AP	*	2012.0	664.0	2028.0	856.0	*	193.	5.	AG	2795.	8.1	.0	56.0		
4. NB MLK TR	*	2028.0	856.0	2109.0	1174.0	*	328.	14.	AG	2645.	8.1	.0	68.0		
5. NB MLK TRQ	*	2095.0	1119.0	2019.9	821.9	*	306.	194.	AG	234.	100.0	.0	48.0	.90	15.6
6. NB MLK L	*	2028.0	856.0	2017.0	903.0	*	48.	347.	AG	150.	8.1	.0	32.0		
7. NB MLK L	*	2017.0	903.0	2089.0	1173.0	*	279.	15.	AG	150.	8.1	.0	32.0		
8. NB MLK LQ	*	2074.0	1117.0	1790.4	46.3	*	1108.	195.	AG	39.	100.0	.0	12.0	2.88	56.3
9. NB MLK D FAY	*	2109.0	1174.0	2145.0	1344.0	*	174.	12.	AG	2295.	8.1	.0	56.0		
10. NB MLK LTA FA	*	2145.0	1344.0	2173.0	1566.0	*	224.	7.	AG	2295.	8.1	.0	68.0		
11. NB MLK LTQ FA	*	2165.0	1509.0	2146.3	1353.5	*	157.	187.	AG	156.	100.0	.0	48.0	.72	8.0
12. NB MLK D FAY	*	2173.0	1566.0	2188.0	1656.0	*	91.	9.	AG	2385.	8.1	.0	56.0		
13. NB MLK A SAR	*	2188.0	1656.0	2193.0	1941.0	*	285.	1.	AG	2385.	8.1	.0	56.0		
14. NB MLK A SAR	*	2193.0	1941.0	2157.0	2311.0	*	372.	354.	AG	2385.	8.1	.0	56.0		
15. NB MLK TR SAR	*	2157.0	2311.0	2139.0	2484.0	*	174.	354.	AG	2315.	8.1	.0	56.0		
16. NB MLK TRQ SA	*	2146.0	2425.0	2177.6	2121.9	*	305.	174.	AG	164.	100.0	.0	36.0	.86	15.5
17. NB MLK L SAR	*	2157.0	2311.0	2131.0	2365.0	*	60.	334.	AG	70.	8.1	.0	32.0		
18. NB MLK L SAR	*	2131.0	2365.0	2119.0	2484.0	*	120.	354.	AG	70.	8.1	.0	32.0		
19. NB MLK LQ SAR	*	2125.0	2427.0	2154.4	2150.6	*	278.	174.	AG	45.	100.0	.0	12.0	1.43	14.1
20. NB MLK A MUL	*	2139.0	2484.0	2117.0	2791.0	*	308.	356.	AG	2165.	8.1	.0	56.0		
21. NB MLK TRQ MU	*	2120.0	2746.0	2141.6	2463.0	*	284.	176.	AG	168.	100.0	.0	36.0	.82	14.4
22. NB MLK A FRA	*	2117.0	2791.0	2116.0	2956.0	*	165.	360.	AG	2200.	8.1	.0	56.0		
23. NB MLK T A FR	*	2116.0	2956.0	2131.0	3176.0	*	221.	4.	AG	2060.	8.1	.0	56.0		
24. NB MLK TQ FRA	*	2128.0	3130.0	2116.1	2946.6	*	184.	184.	AG	115.	100.0	.0	36.0	.60	9.3
25. NB MLK L A FR	*	2116.0	2956.0	2096.0	3008.0	*	56.	339.	AG	140.	8.1	.0	32.0		
26. NB MLK L QFRA	*	2096.0	3008.0	2105.0	3170.0	*	162.	3.	AG	140.	8.1	.0	32.0		
27. NB MLK LQ FRA	*	2103.0	3132.0	2096.6	3032.4	*	100.	184.	AG	97.	100.0	.0	12.0	.71	5.1
28. NB MLK D FRA	*	2131.0	3176.0	2153.0	3319.0	*	145.	9.	AG	2065.	8.1	.0	56.0		
29. NB MLK D FRA	*	2153.0	3319.0	2184.0	3423.0	*	109.	17.	AG	2065.	8.1	.0	56.0		
30. NB MLK D FRA	*	2184.0	3423.0	2254.0	3560.0	*	154.	27.	AG	2065.	8.1	.0	56.0		
31. NB MLK D FRA	*	2254.0	3560.0	2396.0	3748.0	*	236.	37.	AG	2065.	8.1	.0	56.0		
32. SB MLKTRAFRA	*	2341.0	3759.0	2244.0	3658.0	*	140.	224.	AG	2875.	8.1	.0	56.0		
33. SB MLKTAFRA	*	2244.0	3658.0	2132.0	3493.0	*	199.	214.	AG	2600.	8.1	.0	56.0		
34. SB MLKTAFRA	*	2132.0	3493.0	2064.0	3332.0	*	175.	203.	AG	2600.	8.1	.0	56.0		
35. SB MLKTAFRA	*	2064.0	3332.0	2024.0	3162.0	*	175.	193.	AG	2600.	8.1	.0	56.0		
36. SB MLKTQFRA	*	2034.0	3206.0	2433.2	4857.4	*	1699.	14.	AG	185.	100.0	.0	36.0	1.16	86.3
37. SB MLKRFRA	*	2244.0	3658.0	2135.0	3562.0	*	145.	229.	AG	275.	8.1	.0	44.0		
38. SB MLKRAFRA	*	2135.0	3562.0	2040.0	3397.0	*	190.	210.	AG	275.	8.1	.0	44.0		
39. SB MLKRAFRA	*	2040.0	3397.0	1976.0	3186.0	*	220.	197.	AG	275.	8.1	.0	44.0		
40. SB MLKRQFRA	*	1985.0	3217.0	2002.1	3273.7	*	59.	17.	AG	123.	100.0	.0	24.0	.27	3.0
41. SB MLKDFRA	*	2024.0	3162.0	2029.0	3027.0	*	135.	178.	AG	2880.	8.1	.0	56.0		
42. SB MLKTRMUL	*	2029.0	3027.0	2042.0	2797.0	*	230.	177.	AG	2820.	8.1	.0	56.0		
43. SB MLKTRMUL	*	2040.0	2832.0	2016.5	3227.8	*	397.	357.	AG	129.	100.0	.0	36.0	.98	20.1
44. SB MLKLMUL	*	2029.0	3027.0	2054.0	2949.0	*	82.	162.	AG	60.	8.1	.0	32.0		

JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 AM RUN: Site 5-6 NB 2021 AM
DATE: 09/10/2012 TIME: 14:06:37.18

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB MLKLMUL	*	2054.0	2949.0	2064.0	2802.0	*	147.	176.	AG	60.	8.1	.0	32.0		
46. SB MLK LQ MUL	*	2061.0	2844.0	2049.7	3022.6	*	179.	356.	AG	44.	100.0	.0	12.0	1.25	9.1
47. SB MLKASAR	*	2042.0	2797.0	2055.0	2668.0	*	130.	174.	AG	3070.	8.1	.0	56.0		
48. SB MLKTRSAR	*	2055.0	2668.0	2072.0	2477.0	*	192.	175.	AG	2840.	8.1	.0	56.0		
49. SB MLKTRSA	*	2067.0	2534.0	1876.1	4729.7	*	2204.	355.	AG	147.	100.0	.0	36.0	1.23	112.0
50. SB MLKLASAR	*	2055.0	2668.0	2080.0	2629.0	*	46.	147.	AG	230.	8.1	.0	32.0		
51. SB MLK LA SAR	*	2080.0	2629.0	2095.0	2483.0	*	147.	174.	AG	230.	8.1	.0	32.0		
52. SB MLKLQSA	*	2090.0	2532.0	1884.0	4523.3	*	2002.	354.	AG	37.	100.0	.0	12.0	4.69	101.7
53. SB MLK A FAY	*	2072.0	2477.0	2125.0	1886.0	*	593.	175.	AG	2925.	8.1	.0	56.0		
54. SB MLKAFAY	*	2125.0	1886.0	2117.0	1558.0	*	328.	181.	AG	2925.	8.1	.0	56.0		
55. SB MLKFAY	*	2118.0	1601.0	2145.5	2803.4	*	1203.	1.	AG	117.	100.0	.0	36.0	1.09	61.1
56. SB MLKABAL	*	2117.0	1558.0	2089.0	1397.0	*	163.	190.	AG	3060.	8.1	.0	56.0		
57. SB MLKTRBAL	*	2089.0	1397.0	2030.0	1159.0	*	245.	194.	AG	2830.	8.1	.0	56.0		
58. SB MLKTRQBA	*	2045.0	1220.0	2614.2	3518.6	*	2368.	14.	AG	164.	100.0	.0	36.0	1.25	120.3
59. SB MLKLBAL	*	2089.0	1397.0	2096.0	1330.0	*	67.	174.	AG	230.	8.1	.0	32.0		
60. SB MLKLBAL	*	2096.0	1330.0	2052.0	1157.0	*	179.	194.	AG	230.	8.1	.0	32.0		
61. SB MLKLBAL	*	2068.0	1221.0	2584.3	3206.6	*	2052.	15.	AG	46.	100.0	.0	12.0	5.00	104.2
62. SB MLK D BAL	*	2030.0	1159.0	1956.0	881.0	*	288.	195.	AG	2845.	8.1	.0	56.0		
63. SB MLK D BAL	*	1956.0	881.0	1942.0	661.0	*	220.	184.	AG	2845.	8.1	.0	56.0		
64. SB MLK D BAL	*	1942.0	661.0	1970.0	406.0	*	257.	174.	AG	2845.	8.1	.0	56.0		
65. SB MLK D BAL	*	1970.0	406.0	2079.0	127.0	*	300.	159.	AG	2845.	8.1	.0	56.0		

66.	EB	BALT	*	1066.0	1093.0	2024.0	1153.0	*	960.	86.	AG	390.	8.1	.0	44.0	
67.	EB	BALT	*	1968.0	1149.0	1856.2	1142.5	*	112.	267.	AG	164.	100.0	.0	24.0	.52 5.7
68.	EB	BALT D	*	2030.0	1159.0	3081.0	1213.0	*	1052.	87.	AG	840.	8.1	.0	44.0	
69.	WB	BALT	*	2000.0	1170.0	1055.0	1113.0	*	947.	267.	AG	265.	8.1	.0	32.0	
70.	WB	FAY	*	2969.0	1609.0	2152.0	1562.0	*	818.	267.	AG	525.	8.1	.0	68.0	
71.	WB	FAY	*	2225.0	1566.0	2302.9	1570.5	*	78.	87.	AG	340.	100.0	.0	48.0	.43 4.0
72.	WB	FAY	*	2152.0	1562.0	1122.0	1513.0	*	1031.	267.	AG	300.	8.1	.0	68.0	
73.	EB	SAR	*	1281.0	2430.0	2095.0	2471.0	*	815.	87.	AG	450.	8.1	.0	32.0	
74.	EB	SAR	*	2022.0	2467.0	-771.0	2331.6	*	2796.	267.	AG	90.	100.0	.0	12.0	2.14 142.0
75.	EB	SAR D	*	2095.0	2471.0	3028.0	2519.0	*	934.	87.	AG	790.	8.1	.0	44.0	
76.	WB	SAR	*	3038.0	2535.0	2143.0	2498.0	*	896.	268.	AG	235.	8.1	.0	44.0	
77.	WB	SAR	*	2183.0	2500.0	2256.5	2503.0	*	74.	88.	AG	179.	100.0	.0	24.0	.56 3.7
78.	WB	SAR D	*	2143.0	2498.0	1273.0	2442.0	*	872.	266.	AG	260.	8.1	.0	32.0	
79.	EB	MUL	*	1074.0	2750.0	1751.0	2780.0	*	678.	87.	AG	1930.	8.1	.0	44.0	
80.	EB	MUL	*	1751.0	2780.0	2089.0	2793.0	*	338.	88.	AG	1930.	8.1	.0	68.0	
81.	EB	MUL	*	1989.0	2789.0	419.2	2732.9	*	1571.	268.	AG	327.	100.0	.0	48.0	1.33 79.8
82.	EB	MUL	*	2089.0	2793.0	3078.0	2844.0	*	990.	87.	AG	1705.	8.1	.0	44.0	
83.	EB	US40	*	1075.0	2846.0	2358.0	2897.0	*	1284.	88.	BR	1975.	8.1	15.0	56.0	
84.	EB	US40	*	2358.0	2897.0	2794.0	2848.0	*	439.	96.	BR	1975.	8.1	15.0	56.0	
85.	EB	US40	*	2794.0	2848.0	3075.0	2858.0	*	281.	88.	AG	1975.	8.1	.0	56.0	
86.	WB	US40	*	2979.0	3201.0	2659.0	3162.0	*	322.	263.	AG	1150.	8.1	.0	56.0	
87.	WB	US40	*	2659.0	3162.0	2329.0	3087.0	*	338.	257.	BR	1150.	8.1	15.0	68.0	
88.	WB	US40	*	2329.0	3087.0	1320.0	3038.0	*	1010.	267.	BR	1150.	8.1	15.0	68.0	
89.	WB	US40	*	1320.0	3038.0	1073.0	3002.0	*	250.	262.	BR	1150.	8.1	15.0	68.0	
90.	WB	FRANK	*	2987.0	3218.0	2139.0	3169.0	*	849.	267.	AG	970.	8.1	.0	56.0	
91.	WB	FRANK	*	2183.0	3171.0	2545.5	3192.3	*	363.	87.	AG	260.	100.0	.0	36.0	1.03 18.4
92.	WB	FRANK	*	2139.0	3169.0	1105.0	3123.0	*	1035.	267.	AG	1100.	8.1	.0	56.0	

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 AM RUN: Site 5-6 NB 2021 AM
DATE: 09/10/2012 TIME: 14:06:37.18

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. NB MLK TRQ	*	150	75	3.0	2645	1570	43.60	1	3
8. NB MLK LQ	*	150	50	3.0	150	83	43.60	1	3
11. NB MLK LTQ FA	*	150	50	3.0	2295	1253	43.60	1	3
16. NB MLK TRQ SA	*	150	70	3.0	2315	1800	43.60	1	3
19. NB MLK LQ SAR	*	150	58	3.0	70	86	43.60	1	3
21. NB MLK TRQ MU	*	150	72	3.0	2165	1800	43.60	1	3
24. NB MLK TQ FRA	*	150	49	3.0	2060	1800	43.60	1	3
27. NB MLK LQ FRA	*	150	125	3.0	140	1486	43.60	1	3
36. SB MLKTQFRA	*	150	79	3.0	2600	1700	43.60	1	3
40. SB MLKRQFRA	*	150	79	3.0	275	1148	43.60	1	3
43. SB MLKTRMUL	*	150	55	3.0	2820	1600	43.60	1	3
46. SB MLK LQ MUL	*	150	56	3.0	60	82	43.60	1	3
49. SB MLKTRSA	*	150	63	3.0	2840	1413	43.60	1	3
52. SB MLKLQSA	*	150	47	3.0	230	76	43.60	1	3
55. SB MLKFAY	*	150	50	3.0	2925	1416	43.60	1	3
58. SB MLKTRQBA	*	150	70	3.0	2830	1514	43.60	1	3
61. SB MLKLBAL	*	150	59	3.0	230	81	43.60	1	3
67. EB BALT	*	150	105	3.0	390	1398	43.60	1	3
71. WB FAY	*	150	109	3.0	525	1270	43.60	1	3
74. EB SAR	*	150	115	3.0	450	1055	43.60	1	3
77. WB SAR	*	150	115	3.0	235	1042	43.60	1	3
81. EB MUL	*	150	105	3.0	1930	1364	43.60	1	3
91. WB FRANK	*	150	111	3.0	970	1392	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. S6 R1 SE MID	*	2067.0	801.0	5.0	*
2. S6 R2 SE COR RED	*	2092.0	968.0	5.0	*
3. S6 R3 82 SE	*	2112.0	1043.0	5.0	*
4. S6 R4 SE COR	*	2139.0	1143.0	5.0	*
5. S6 R5 82 ES	*	2237.0	1146.0	5.0	*
6. S6 R6 164 ES	*	2320.0	1149.0	5.0	*
7. S6 R7 MID ES	*	2537.0	1157.0	5.0	*
8. S6 R8 MID EN	*	2537.0	1229.0	5.0	*
9. S6 R9 164 EN	*	2326.0	1213.0	5.0	*
10. S6 R10 82 EN	*	2236.0	1208.0	5.0	*
11. S6 R11 NE COR	*	2145.0	1207.0	5.0	*
12. S6 R12 82 NE	*	2164.0	1292.0	5.0	*
13. S6 R13 164 NE	*	2179.0	1375.0	5.0	*
14. S6 R14 SE COR FAY	*	2210.0	1529.0	5.0	*
15. S6 R15 NE COR FAY	*	2220.0	1608.0	5.0	*
16. S6 R16 NW COR FAY	*	2073.0	1601.0	5.0	*
17. S6 R17 164 NW	*	2054.0	1380.0	5.0	*
18. S6 R18 82 NW	*	2037.0	1298.0	5.0	*
19. S6 R19 NW COR	*	2002.0	1197.0	5.0	*
20. S6 R20 82 WN	*	1909.0	1187.0	5.0	*
21. S6 R21 164 WN	*	1828.0	1179.0	5.0	*
22. S6 R22 MID WN	*	1592.0	1167.0	5.0	*

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 AM RUN: Site 5-6 NB 2021 AM
DATE: 09/10/2012 TIME: 14:06:37.18

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
23. S6 R23 MID WS	1585.0	1108.0	5.0
24. S6 R24 164 WS	1789.0	1120.0	5.0
25. S6 R25 82 WS	1873.0	1126.0	5.0
26. S6 R26 SW COR	1972.0	1122.0	5.0
27. S6 R27 82 SW	1958.0	1026.0	5.0
28. S6 R28 164 SW	1939.0	947.0	5.0
29. S6 R29 MID SW	1911.0	798.0	5.0
30. S5 R1 SE COR SARAT	2183.0	2444.0	5.0
31. S5 R2 164 SE	2159.0	2584.0	5.0
32. S5 R3 82 SE	2153.0	2664.0	5.0
33. S5 R4 SE COR	2154.0	2762.0	5.0
34. S5 R5 82 ES	2245.0	2772.0	5.0
35. S5 R5 164 ES	2328.0	2775.0	5.0
36. S5 R6 MID ES	2556.0	2786.0	5.0
37. S5 R7 NE COR FRAN	2174.0	3214.0	5.0
38. S5 R8 NW COR FRAN	1959.0	3226.0	5.0
39. S5 R8 NE COR MUL	2152.0	2825.0	5.0
40. S5 R8 NW COR MUL	2002.0	2830.0	5.0
41. S5 R9 MID WS	1592.0	2741.0	5.0
42. S5 R10 164 WS	1837.0	2752.0	5.0
43. S5 R11 82 WS	1909.0	2754.0	5.0
44. S5 R12 SW COR	2011.0	2750.0	5.0
45. S5 R13 82 SW	2025.0	2662.0	5.0
46. S5 R14 164 SW	2032.0	2580.0	5.0
47. S5 R15 SW COR SARAT	2038.0	2437.0	5.0
48. S5 R16 NE COR SARAT	2177.0	2531.0	5.0
49. S5 R17 NW COR SARAT	2026.0	2518.0	5.0

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 AM RUN: Site 5-6 NB 2021 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	1.7	2.7	2.5	2.2	1.0	.3	.3	.1	.2	.8	2.0	2.4	2.5	1.7	1.3	1.0	1.0	1.0	.9	.1
5.	1.6	2.4	2.3	1.9	.5	.3	.2	.0	.1	.6	1.8	2.2	2.0	1.6	1.1	1.3	1.5	1.6	.9	.3
10.	1.2	2.0	1.9	1.5	.4	.3	.2	.0	.1	.2	1.7	1.9	1.8	1.2	.7	1.5	1.9	2.1	1.3	.4
15.	.7	1.5	1.1	1.1	.3	.2	.2	.0	.0	.2	1.2	1.2	1.2	.9	.5	1.7	2.4	2.4	1.7	.5
20.	.5	1.1	.8	.8	.2	.2	.2	.0	.0	.0	.7	.7	.8	.8	.2	1.9	2.4	2.5	1.9	.7
25.	.2	.7	.5	.5	.2	.2	.2	.0	.0	.0	.5	.6	.7	.7	.1	1.9	2.3	2.7	1.9	.7
30.	.1	.4	.3	.3	.2	.2	.2	.0	.0	.0	.3	.3	.4	.7	.0	1.8	2.4	2.6	2.1	.7
35.	.0	.4	.2	.3	.2	.2	.2	.0	.0	.0	.1	.3	.2	.8	.0	1.8	2.5	2.5	2.0	.7
40.	.0	.2	.2	.3	.3	.3	.2	.0	.0	.0	.1	.1	.2	.8	.0	1.8	2.4	2.5	1.7	.7
45.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.1	.2	.9	.0	1.7	2.2	2.4	1.7	.7
50.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.0	.1	1.0	.0	1.7	2.3	2.3	1.6	.9
55.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.0	.1	1.0	.0	1.6	2.2	2.0	1.5	.8
60.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.0	.1	.9	.0	1.5	2.1	1.9	1.1	.7
65.	.0	.2	.2	.4	.3	.3	.3	.0	.0	.0	.1	.0	.1	.9	.0	1.4	2.1	1.7	1.1	.5
70.	.0	.2	.2	.4	.4	.4	.3	.0	.0	.0	.0	.0	.1	.8	.0	1.4	1.9	1.8	1.0	.5
75.	.0	.0	.1	.4	.4	.4	.3	.0	.1	.1	.1	.0	.0	.7	.1	1.5	1.9	1.7	1.1	.6
80.	.0	.0	.1	.4	.4	.3	.3	.1	.1	.1	.1	.0	.0	.6	.1	1.5	1.9	1.6	1.1	.6
85.	.0	.0	.0	.4	.3	.3	.3	.1	.1	.1	.1	.0	.0	.5	.2	1.5	1.8	1.6	1.1	.7
90.	.0	.0	.0	.3	.3	.3	.2	.1	.2	.2	.2	.0	.0	.3	.3	1.5	1.9	1.6	1.1	.6
95.	.0	.0	.0	.2	.2	.2	.1	.2	.2	.2	.2	.1	.0	.2	.4	1.6	1.8	1.7	1.1	.7
100.	.0	.0	.0	.2	.2	.1	.1	.2	.2	.2	.2	.1	.0	.2	.5	1.6	1.7	1.8	1.1	.8
105.	.0	.0	.0	.1	.1	.1	.1	.2	.2	.3	.2	.1	.1	.0	.7	1.6	1.8	1.8	1.2	1.0
110.	.0	.0	.0	.1	.1	.1	.0	.2	.2	.2	.2	.1	.1	.0	.8	1.4	1.8	1.8	1.2	1.0
115.	.0	.0	.0	.1	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.8	1.5	1.8	1.7	1.3	1.0
120.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.8	1.5	1.7	1.7	1.3	1.0
125.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.9	1.4	1.7	1.7	1.3	1.1
130.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.9	1.3	1.6	1.7	1.3	1.1
135.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.9	1.5	1.7	1.8	1.3	1.2
140.	.0	.1	.1	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.9	1.5	1.8	1.8	1.3	1.2
145.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.2	.2	.1	.0	.9	1.6	1.8	1.8	1.5	1.2
150.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.2	.2	.1	.0	.8	1.6	1.9	1.9	1.5	1.2
155.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.2	.2	.2	.0	.8	1.7	2.0	1.9	1.5	1.3
160.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.3	.2	.2	.0	.7	1.7	2.1	2.2	1.4	1.2
165.	.2	.1	.1	.1	.0	.0	.0	.2	.2	.2	.4	.2	.2	.1	.6	1.6	2.2	2.2	1.6	1.2
170.	.3	.2	.1	.1	.0	.0	.0	.2	.2	.2	.4	.2	.3	.1	.7	1.6	2.0	2.2	1.7	1.3
175.	.5	.6	.4	.3	.0	.0	.0	.2	.2	.2	.6	.5	.5	.1	.6	1.6	2.1	2.2	1.9	1.1
180.	.6	.7	.7	.3	.0	.0	.0	.2	.2	.2	.8	.5	.7	.5	.9	1.5	2.2	2.2	1.7	.8
185.	.7	1.1	1.0	.9	.0	.0	.0	.2	.2	.2	1.2	.8	.9	.7	1.0	1.2	2.1	2.1	1.5	.8
190.	.9	1.3	1.4	1.1	.0	.0	.0	.2	.2	.2	1.6	1.2	1.3	1.1	1.5	1.0	1.6	1.8	1.3	.6
195.	1.0	1.6	1.6	1.5	.1	.0	.0	.2	.2	.6	2.1	1.5	1.6	1.4	1.6	.6	1.4	1.5	.7	.5
200.	1.0	1.8	1.9	1.9	.5	.0	.0	.2	.2	.7	2.0	1.5	1.6	1.5	1.9	.5	1.0	1.0	.6	.5
205.	1.0	2.0	2.1	1.9	.6	.2	.0	.2	.2	.9	2.1	1.5	1.6	1.8	2.0	.2	.7	.8	.5	.5

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 AM RUN: Site 5-6 NB 2021 AM

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.1	2.0	2.2	2.1	.5	.3	.0	.2	.5	.9	2.0	1.7	1.8	2.0	1.8	.1	.6	.5	.4	.5
215.	1.1	2.1	2.1	1.9	.7	.5	.0	.2	.6	1.0	1.9	1.4	1.8	1.9	1.7	.1	.3	.4	.5	.5
220.	1.2	2.0	2.2	1.9	.7	.4	.0	.2	.7	1.0	1.6	1.5	1.6	1.7	1.6	.1	.1	.3	.4	.5
225.	1.0	2.1	2.0	1.8	.8	.4	.0	.2	.8	1.0	1.5	1.3	1.6	1.8	1.7	.1	.1	.2	.4	.4
230.	1.0	2.1	2.1	1.7	.8	.7	.0	.4	.8	.9	1.6	1.3	1.8	1.7	1.6	.1	.1	.2	.4	.4
235.	1.0	2.0	2.1	1.4	.8	.6	.1	.4	.7	.9	1.5	1.3	1.8	1.7	1.5	.1	.1	.2	.5	.4
240.	.9	1.9	1.8	1.4	.8	.5	.2	.5	.6	.9	1.3	1.2	1.7	1.7	1.5	.1	.1	.1	.5	.3
245.	.9	1.8	1.8	1.4	.8	.6	.3	.5	.6	.9	1.3	1.2	1.7	1.4	1.6	.1	.1	.1	.4	.3
250.	.9	1.9	1.8	1.3	.8	.6	.4	.5	.6	.8	1.3	1.1	1.7	1.4	1.5	.1	.0	.1	.4	.3
255.	.9	1.7	1.7	1.3	.8	.5	.4	.5	.7	.6	1.3	1.1	1.7	1.3	1.5	.1	.0	.1	.4	.2
260.	.9	1.7	1.7	1.4	.8	.6	.5	.5	.6	.6	1.4	1.1	1.5	1.3	1.6	.1	.0	.0	.3	.2
265.	.9	1.6	1.6	1.4	.7	.6	.5	.4	.5	.7	1.2	1.2	1.8	1.4	1.4	.1	.0	.0	.3	.2
270.	.9	1.6	1.5	1.4	.9	.8	.6	.3	.3	.7	1.0	1.2	1.8	1.4	1.4	.1	.0	.0	.2	.2
275.	1.0	1.6	1.6	1.4	.8	.7	.5	.4	.4	.5	1.0	1.2	1.8	1.4	1.3	.0	.0	.0	.0	.1
280.	1.0	1.7	1.7	1.5	.8	.6	.5	.3	.5	.5	1.0	1.2	1.8	1.4	1.4	.0	.0	.0	.0	.0
285.	1.1	1.7	1.8	1.3	.7	.7	.6	.3	.5	.5	1.0	1.1	1.8	1.4	1.4	.0	.0	.0	.0	.0
290.	1.1	1.7	1.8	1.2	.9	.6	.6	.4	.4	.5	1.1	1.1	1.8	1.4	1.4	.0	.0	.0	.0	.0
295.	1.1	1.6	1.6	1.3	.9	.7	.5	.3	.3	.5	1.1	1.1	1.8	1.2	1.4	.0	.0	.0	.0	.0
300.	1.2	1.5	1.6	1.3	.8	.6	.6	.3	.5	.5	1.1	1.1	1.8	1.4	1.6	.0	.0	.0	.0	.0
305.	1.3	1.7	1.6	1.4	.8	.6	.6	.4	.6	.5	1.1	1.1	1.7	1.5	1.7	.0	.0	.0	.0	.0
310.	1.3	1.8	1.7	1.3	.8	.8	.5	.4	.6	.5	1.1	1.3	1.8	1.4	1.6	.1	.0	.1	.0	.0
315.	1.5	1.8	1.7	1.4	.8	.8	.6	.3	.6	.8	1.1	1.4	1.9	1.6	1.7	.1	.1	.1	.0	.0
320.	1.4	1.9	1.7	1.4	.9	.9	.5	.4	.6	.8	1.3	1.5	1.9	1.6	1.7	.1	.1	.2	.1	.0
325.	1.5	2.0	1.9	1.5	.9	.9	.5	.7	.6	.8	1.4	1.6	2.1	1.8	1.9	.1	.1	.2	.1	.1
330.	1.6	2.1	2.0	1.5	1.0	.8	.8	.6	.6	1.0	1.5	1.6	2.2	2.0	1.8	.1	.1	.2	.1	.1
335.	1.7	2.2	1.9	1.6	1.1	.9	.5	.4	.8	.9	1.6	1.9	2.4	2.0	1.9	.1	.1	.2	.1	.1
340.	1.7	2.1	2.1	1.7	1.2	1.0	.5	.3	.8	1.1	1.8	2.2	2.6	2.0	2.0	.1	.1	.2	.1	.1
345.	1.8	2.2	2.2	1.8	1.1	.8	.4	.2	.7	1.0	2.1	2.2	2.6	2.3	2.0	.3	.2	.2	.1	.1
350.	1.7	2.1	2.2	2.1	1.1	.9	.3	.1	.7	1.0	2.1	2.3	2.7	2.0	1.8	.5	.6	.4	.2	.1
355.	1.6	2.5	2.3	2.0	1.1	.8	.3	.1	.5	1.0	2.2	2.6	2.6	2.1	1.7	.7	.7	.8	.3	.1
360.	1.7	2.7	2.5	2.2	1.0	.3	.3	.1	.2	.8	2.0	2.4	2.5	1.7	1.3	1.0	1.0	1.0	.9	.1
MAX	1.8	2.7	2.5	2.2	1.2	1.0	.8	.7	.8	1.1	2.2	2.6	2.7	2.3	2.0	1.9	2.5	2.7	2.1	1.3
DEGR.	345	0	0	0	340	340	330	325	335	340	355	355	350	345	205	25	35	25	30	155

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 AM RUN: Site 5-6 NB 2021 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	.0	.1	.3	.2	.7	.7	.5	.5	.4	1.4	1.8	2.0	1.8	.9	.8	1.0	1.0	.6	1.4	2.1
5.	.1	.1	.3	.2	.8	.9	.9	.9	.7	1.3	1.7	1.8	1.8	.8	.8	.7	.9	.6	.9	2.4
10.	.3	.0	.2	.3	1.1	1.1	1.2	1.2	.9	1.1	1.2	1.5	1.5	.8	.8	.7	.9	.7	.8	2.6
15.	.4	.0	.2	.5	1.1	1.5	1.4	1.4	1.2	.8	.8	1.2	1.3	.7	.9	.7	.7	.9	.7	2.7
20.	.4	.1	.3	.6	1.3	1.5	1.6	1.6	1.4	.8	.7	.9	1.0	.8	1.0	.6	.5	1.2	.6	2.7
25.	.5	.2	.4	.6	1.5	1.7	1.6	1.6	1.6	.7	.6	.9	.9	.8	.9	.6	.2	1.5	.5	2.9
30.	.6	.3	.4	.7	1.4	1.5	1.5	1.5	1.7	.9	.6	.8	1.0	.9	1.0	.6	.1	1.5	.6	2.7
35.	.4	.3	.4	.6	1.4	1.5	1.4	1.5	1.5	.9	.5	.8	1.0	1.0	.9	.6	.0	1.8	.6	2.6
40.	.6	.2	.4	.8	1.5	1.4	1.5	1.6	1.4	.8	.5	.7	.9	1.1	1.0	.7	.0	2.0	.7	2.5
45.	.5	.2	.4	.6	1.6	1.3	1.4	1.6	1.4	.8	.4	.7	1.0	.9	1.0	.7	.0	1.7	.7	2.7
50.	.6	.2	.3	.7	1.3	1.2	1.4	1.6	1.5	.8	.4	.6	.9	.9	1.0	.7	.0	1.6	.7	2.5
55.	.6	.1	.4	.9	1.5	1.3	1.5	1.5	1.4	.7	.3	.5	.9	1.0	.9	.7	.0	1.6	.5	2.5
60.	.5	.2	.5	.8	1.4	1.2	1.3	1.5	1.2	.7	.3	.5	.9	1.0	1.0	.8	.1	1.6	.5	2.1
65.	.5	.2	.5	.9	1.4	1.1	1.3	1.4	1.3	.8	.3	.5	.9	1.0	1.0	.9	.1	1.6	.6	2.0
70.	.4	.2	.5	.9	1.4	1.2	1.4	1.4	1.1	.7	.3	.5	.9	1.0	1.0	.9	.2	1.6	.5	2.2
75.	.4	.2	.4	.9	1.4	1.2	1.4	1.3	1.1	.5	.2	.5	.9	.9	1.0	.9	.3	1.8	.6	2.1
80.	.5	.2	.5	.9	1.3	1.2	1.3	1.3	1.1	.5	.2	.4	.8	.8	1.0	.7	.4	1.9	.7	2.2
85.	.7	.3	.6	.9	1.1	1.2	1.2	1.3	1.0	.4	.1	.3	.7	.7	.9	.6	.6	1.8	.9	2.2
90.	.7	.6	.5	.7	1.1	1.1	1.2	1.3	1.0	.4	.2	.3	.6	.6	.7	.5	.7	1.9	.9	2.2
95.	.9	.6	.4	.7	.9	1.2	1.3	1.3	.9	.3	.2	.2	.4	.4	.5	.3	1.0	2.0	.8	2.1
100.	.9	.5	.4	.6	.9	1.2	1.3	1.3	.9	.3	.2	.2	.3	.3	.4	.2	1.1	2.1	.9	2.4
105.	1.1	.5	.4	.7	.9	1.1	1.3	1.3	.9	.2	.2	.3	.3	.2	.3	.1	1.2	2.0	.8	2.2
110.	1.0	.5	.4	.5	.8	1.2	1.3	1.3	.9	.2	.2	.3	.2	.2	.3	.1	1.2	2.0	.7	2.0
115.	1.0	.5	.3	.4	.7	1.2	1.3	1.3	.9	.2	.2	.3	.2	.1	.2	.0	1.3	2.1	.7	2.3
120.	1.0	.5	.4	.4	.7	1.2	1.2	1.3	.9	.2	.4	.4	.2	.1	.2	.0	1.4	2.1	.6	2.2
125.	1.1	.6	.3	.4	.7	1.2	1.2	1.2	1.0	.2	.4	.4	.2	.1	.2	.0	1.4	2.1	.6	2.2
130.	1.1	.6	.2	.4	.7	1.2	1.2	1.2	1.1	.2	.4	.4	.2	.1	.2	.0	1.3	2.3	.6	2.3
135.	.9	.4	.2	.6	.7	1.2	1.3	1.4	1.0	.2	.4	.4	.2	.1	.2	.0	1.2	2.2	.6	2.3
140.	.8	.3	.2	.5	.7	1.2	1.3	1.3	1.1	.2	.5	.4	.3	.2	.2	.0	1.2	2.2	.6	2.5
145.	.9	.4	.2	.5	.7	1.2	1.4	1.3	1.3	.2	.6	.6	.3	.2	.2	.0	1.1	2.3	.6	2.4
150.	.9	.4	.1	.4	.6	1.2	1.3	1.5	1.2	.2	.6	.6	.4	.2	.2	.0	1.2	2.3	.6	2.3
155.	.8	.3	.0	.5	.7	1.4	1.5	1.5	1.4	.2	.7	.9	.5	.2	.2	.0	1.0	2.3	.8	2.6
160.	.9	.2	.0	.4	.8	1.4	1.6	1.7	1.5	.5	1.1	1.1	.7	.2	.3	.0	1.0	2.2	1.0	2.6
165.	.7	.2	.0	.3	.7	1.4	1.8	1.6	1.4	.5	1.4	1.7	1.0	.2	.3	.0	.9	2.2	1.2	2.4
170.	.4	.2	.0	.2	.6	1.6	1.7	1.6	1.2	1.0	1.7	2.0	1.7	.2	.3	.0	1.1	2.0	1.8	2.4
175.	.4	.2	.0	.1	.3	1.6	1.7	1.6	1.1	1.4	2.3	2.3	2.0	.4	.3	.0	1.4	1.6	2.0	1.9
180.	.3	.2	.0	.0	.2	1.3	1.5	1.3	.7	1.7	2.6	2.8	2.5	.6	.3	.0	1.6	1.2	2.5	1.2

185. *	.2	.2	.0	.0	.1	1.2	1.2	1.0	.4	1.9	2.8	2.9	2.6	.6	.5	.0	1.7	.9	2.7	1.0
190. *	.2	.2	.0	.0	.0	.7	.9	.8	.3	2.2	3.0	3.0	3.0	1.0	.6	.1	1.9	.7	2.5	1.0
195. *	.2	.2	.0	.0	.0	.4	.7	.6	.2	2.1	2.8	2.9	2.6	1.0	.6	.1	2.0	.7	2.4	.8
200. *	.2	.2	.0	.0	.0	.3	.4	.4	.1	2.0	2.8	2.8	2.4	.9	.6	.3	2.0	.7	2.3	.9
205. *	.2	.2	.0	.0	.0	.2	.3	.2	.0	1.9	2.5	2.5	2.4	1.0	.8	.5	2.2	.6	2.3	.9

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 AM RUN: Site 5-6 NB 2021 AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210. *	.2	.2	.0	.0	.0	.1	.1	.2	.0	1.9	2.4	2.5	2.5	.8	.6	.6	2.0	.7	2.1	1.0
215. *	.2	.2	.0	.0	.0	.0	.1	.1	.0	1.8	2.4	2.4	2.1	.9	.6	.6	1.8	.7	2.0	1.2
220. *	.2	.2	.0	.0	.0	.0	.1	.1	.0	1.8	2.1	2.3	2.0	1.0	.5	.5	2.1	.7	2.0	1.3
225. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.7	2.1	2.2	2.1	.9	.5	.5	1.9	.7	1.8	1.3
230. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.5	2.1	2.1	1.7	1.0	.6	.5	1.7	.7	1.7	1.4
235. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.4	2.1	2.1	1.9	.9	.6	.6	1.8	.7	1.9	1.5
240. *	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.3	2.0	2.0	1.9	1.0	.6	.7	1.8	.7	1.9	1.6
245. *	.2	.2	.1	.1	.1	.0	.0	.0	.0	1.3	2.0	2.0	1.9	1.1	.8	.8	1.9	.6	2.0	1.8
250. *	.2	.2	.1	.1	.1	.0	.0	.0	.0	1.3	2.0	2.0	1.9	1.3	.9	.9	1.6	.5	2.3	1.9
255. *	.2	.2	.1	.1	.1	.2	.0	.0	.0	1.3	2.1	2.2	2.0	1.2	1.1	1.0	1.5	.4	2.5	1.9
260. *	.2	.2	.1	.1	.2	.2	.0	.0	.0	1.4	2.2	2.3	2.2	1.4	1.3	1.0	1.5	.3	2.4	2.1
265. *	.2	.2	.2	.2	.2	.2	.0	.0	.0	1.4	2.3	2.4	2.6	1.7	1.4	1.2	1.3	.1	2.5	1.8
270. *	.2	.1	.2	.3	.3	.3	.0	.0	.0	1.6	2.4	2.5	2.6	2.0	1.7	1.3	1.2	.1	2.6	1.5
275. *	.1	.0	.3	.3	.4	.6	.0	.0	.0	1.7	2.4	2.8	2.9	1.9	1.7	1.4	1.1	.1	2.2	1.3
280. *	.0	.0	.3	.3	.4	.6	.0	.0	.0	1.7	2.4	2.7	2.8	2.0	1.7	1.6	1.2	.0	2.2	1.0
285. *	.0	.0	.3	.3	.4	.7	.0	.0	.0	1.9	2.4	2.8	2.8	1.8	1.4	1.6	1.1	.0	1.9	.7
290. *	.0	.0	.3	.3	.5	.6	.0	.0	.0	2.2	2.5	2.8	2.6	1.8	1.4	1.4	1.1	.0	1.8	.7
295. *	.0	.0	.3	.3	.5	.7	.0	.0	.0	1.9	2.7	2.8	2.6	1.7	1.3	1.3	1.0	.0	1.7	.6
300. *	.0	.0	.3	.3	.5	.7	.0	.0	.0	2.0	2.7	2.7	2.5	1.5	1.3	1.3	1.0	.0	1.7	.6
305. *	.0	.0	.2	.2	.5	.7	.0	.0	.0	2.3	2.7	2.6	2.7	1.5	1.3	1.3	1.1	.0	1.7	.6
310. *	.0	.0	.2	.2	.5	.7	.1	.0	.0	2.2	2.6	2.8	2.5	1.5	1.5	1.2	1.2	.0	1.8	.5
315. *	.0	.0	.2	.2	.5	.5	.1	.0	.0	2.3	2.8	2.9	2.5	1.7	1.6	1.2	1.2	.0	1.9	.5
320. *	.0	.0	.2	.2	.6	.5	.1	.0	.0	2.5	2.7	3.0	2.7	1.5	1.2	1.2	1.1	.0	1.9	.5
325. *	.1	.0	.2	.2	.7	.6	.1	.0	.0	2.5	2.8	2.9	2.7	1.4	1.3	1.2	1.2	.0	1.9	.5
330. *	.1	.1	.2	.3	.7	.6	.2	.1	.0	2.5	3.1	3.0	2.7	1.6	1.1	1.2	1.3	.0	2.0	.5
335. *	.1	.1	.3	.3	.8	.5	.2	.2	.1	2.5	3.1	3.2	2.8	1.6	1.0	1.2	1.2	.0	1.9	.7
340. *	.1	.1	.3	.3	.8	.5	.2	.3	.1	2.6	3.2	3.3	3.0	1.2	1.1	1.2	1.2	.1	2.0	.7
345. *	.1	.1	.3	.3	.8	.5	.2	.3	.1	2.3	3.1	3.1	2.6	1.1	1.0	1.2	1.2	.1	1.8	1.0
350. *	.1	.1	.3	.3	.8	.4	.3	.3	.2	2.3	2.7	2.8	2.5	1.1	.9	1.2	1.3	.2	1.6	1.3
355. *	.1	.1	.3	.3	.8	.3	.2	.2	.2	1.7	2.4	2.6	2.0	1.1	.8	1.2	1.3	.3	1.5	1.7
360. *	.0	.1	.3	.2	.7	.7	.5	.5	.4	1.4	1.8	2.0	1.8	.9	.8	1.0	1.0	.6	1.4	2.1
MAX *	1.1	.6	.6	.9	1.6	1.7	1.8	1.7	1.7	2.6	3.2	3.3	3.0	2.0	1.7	1.6	2.2	2.3	2.7	2.9
DEGR. *	105	90	85	55	45	25	165	160	30	340	340	340	340	270	275	280	205	155	185	25

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 AM RUN: Site 5-6 NB 2021 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
0. *	1.8	1.9	2.0	2.6	2.7	2.4	2.0	1.1	1.6
5. *	1.7	2.0	2.3	2.9	2.7	2.4	2.1	.9	2.0
10. *	1.7	2.0	2.4	3.0	2.7	2.4	2.2	.6	2.2
15. *	1.7	1.9	2.5	2.9	2.4	2.7	2.3	.4	2.4
20. *	1.8	2.2	2.5	2.9	2.9	2.9	2.0	.4	2.2
25. *	2.0	2.4	2.5	3.0	2.4	2.4	2.0	.4	2.1
30. *	2.1	2.4	2.7	2.8	2.2	2.5	2.1	.3	2.2
35. *	2.0	2.4	2.6	2.4	2.5	2.5	1.9	.4	2.0
40. *	2.1	2.5	2.8	2.5	2.4	2.5	1.7	.4	1.9
45. *	2.1	2.6	2.8	2.4	2.4	2.2	1.8	.4	1.9
50. *	2.0	2.8	2.8	2.3	2.2	2.1	1.9	.4	1.7
55. *	2.4	2.8	2.6	2.4	2.2	2.1	1.9	.4	1.7
60. *	2.5	2.8	2.7	2.4	2.4	2.0	1.9	.4	1.6
65. *	2.5	2.8	2.6	2.3	2.1	2.0	1.8	.2	1.6
70. *	2.5	2.6	2.3	2.3	2.1	2.0	1.6	.2	1.5
75. *	2.6	2.5	2.5	2.4	2.1	1.9	1.6	.1	1.4
80. *	2.2	2.5	2.4	2.2	2.1	1.9	1.6	.2	1.4
85. *	2.0	2.3	2.2	2.2	2.0	1.8	1.5	.4	1.5
90. *	1.6	1.9	1.9	2.2	1.9	1.9	1.5	.4	1.4
95. *	1.2	1.6	1.5	1.9	1.8	1.9	1.5	.4	1.6
100. *	1.0	1.3	1.2	1.8	1.8	1.9	1.5	.6	1.7
105. *	.9	1.1	1.2	1.9	1.9	2.0	1.4	.7	1.7
110. *	.4	1.0	1.2	1.7	2.0	2.0	1.4	.7	1.3
115. *	.3	.9	1.1	1.7	2.1	1.9	1.5	.8	1.4
120. *	.2	.8	1.1	1.8	2.1	2.0	1.4	.8	1.6
125. *	.2	.8	1.0	2.1	2.1	2.2	1.5	.8	1.4
130. *	.2	.9	.9	2.1	2.4	2.1	1.6	.7	1.5

135.	*	.4	.9	1.0	2.1	2.3	2.1	1.6	.7	1.7
140.	*	.2	.7	1.0	2.0	2.3	2.1	1.6	.7	1.7
145.	*	.2	.8	1.1	2.1	2.4	2.3	1.7	.8	1.8
150.	*	.2	.7	1.0	2.3	2.3	2.1	1.7	.8	1.8
155.	*	.0	.5	.8	2.4	2.3	2.1	1.6	.7	1.9
160.	*	.0	.4	.7	2.3	2.4	1.9	1.7	1.0	1.8
165.	*	.0	.3	.6	2.0	2.0	1.8	1.7	1.1	1.7
170.	*	.0	.1	.3	1.6	1.8	1.9	1.4	1.3	1.5
175.	*	.0	.0	.1	1.3	1.6	1.5	1.0	1.6	1.1
180.	*	.0	.0	.1	.9	1.1	1.2	.8	1.9	.9
185.	*	.0	.0	.0	.4	.8	.7	.4	2.2	.5
190.	*	.0	.0	.0	.3	.3	.4	.2	2.2	.4
195.	*	.0	.0	.0	.1	.3	.3	.1	2.1	.4
200.	*	.0	.0	.0	.0	.1	.2	.1	2.1	.3
205.	*	.0	.0	.0	.0	.2	.2	.0	1.8	.3

1

JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 AM RUN: Site 5-6 NB 2021 AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
210.	*	.0	.1	.0	.0	.2	.2	.0	1.8	.3
215.	*	.0	.1	.1	.0	.2	.2	.0	1.9	.3
220.	*	.0	.1	.1	.0	.2	.2	.0	1.6	.3
225.	*	.0	.1	.1	.0	.2	.2	.0	1.7	.3
230.	*	.0	.1	.1	.1	.1	.1	.0	1.7	.3
235.	*	.1	.3	.3	.1	.1	.2	.0	1.6	.4
240.	*	.2	.3	.3	.1	.1	.2	.0	1.8	.4
245.	*	.3	.4	.4	.3	.1	.1	.0	1.7	.4
250.	*	.4	.6	.7	.4	.1	.1	.0	1.7	.4
255.	*	.6	.8	.9	.6	.1	.1	.1	1.9	.4
260.	*	1.0	1.2	1.2	.8	.2	.1	.2	1.8	.4
265.	*	1.3	1.7	1.7	1.3	.3	.2	.3	2.0	.4
270.	*	1.8	2.2	2.1	1.7	.4	.2	.4	1.8	.3
275.	*	2.0	2.4	2.3	1.9	.6	.3	.4	1.9	.2
280.	*	2.1	2.6	2.5	2.0	.8	.4	.5	1.9	.3
285.	*	2.4	2.4	2.5	2.1	.8	.5	.6	2.1	.3
290.	*	2.2	2.4	2.3	2.0	.8	.5	.7	2.2	.5
295.	*	2.1	2.3	2.2	1.8	.8	.5	.7	2.3	.5
300.	*	2.0	2.1	2.1	1.8	1.0	.6	.7	2.3	.5
305.	*	2.0	2.1	2.1	1.6	.8	.7	.7	2.2	.5
310.	*	1.8	2.1	2.0	1.7	.8	.7	.7	2.2	.6
315.	*	1.8	2.0	2.0	1.6	.9	.6	.6	2.2	.6
320.	*	1.7	2.0	1.9	1.5	.9	.6	.6	2.3	.4
325.	*	1.7	1.9	1.9	1.4	.9	.6	.6	2.3	.4
330.	*	1.7	1.9	1.9	1.3	.8	.6	.6	2.5	.4
335.	*	1.6	1.8	1.8	1.3	1.1	.7	.8	2.5	.4
340.	*	1.6	1.7	1.7	1.3	1.0	.9	.8	2.2	.6
345.	*	1.6	1.8	1.7	1.5	1.3	1.2	1.0	2.0	.9
350.	*	1.7	1.8	1.9	1.8	1.9	1.4	1.3	2.0	1.1
355.	*	1.8	1.9	1.9	2.4	2.3	2.0	1.6	1.4	1.4
360.	*	1.8	1.9	2.0	2.6	2.7	2.4	2.0	1.1	1.6
MAX	*	2.6	2.8	2.8	3.0	2.9	2.9	2.3	2.5	2.4
DEGR.	*	75	50	40	10	20	20	15	330	15

THE HIGHEST CONCENTRATION IS 3.30 PPM AT 340 DEGREES FROM REC32.
THE 2ND HIGHEST CONCENTRATION IS 3.20 PPM AT 340 DEGREES FROM REC31.
THE 3RD HIGHEST CONCENTRATION IS 3.00 PPM AT 340 DEGREES FROM REC33.

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Site 5-6 MLK & Mulberry/Balt NB 2021 PM 60.0321.0.0000.000490.30480000    1    1
S6 R1 SE MID             2067.      801.        5.
S6 R2 SE COR RED         2092.      968.        5.
S6 R3 82 SE              2112.     1043.        5.
S6 R4 SE COR             2139.     1143.        5.
S6 R5 82 ES              2237.     1146.        5.
S6 R6 164 ES             2320.     1149.        5.
S6 R7 MID ES             2537.     1157.        5.
S6 R8 MID EN             2537.     1229.        5.
S6 R9 164 EN             2326.     1213.        5.
S6 R10 82 EN             2236.     1208.        5.
S6 R11 NE COR            2145.     1207.        5.
S6 R12 82 NE             2164.     1292.        5.
S6 R13 164 NE            2179.     1375.        5.
S6 R14 SE COR FAY        2210.     1529.        5.
S6 R15 NE COR FAY        2220.     1608.        5.
S6 R16 NW COR FAY        2073.     1601.        5.
S6 R17 164 NW            2054.     1380.        5.
S6 R18 82 NW             2037.     1298.        5.
S6 R19 NW COR            2002.     1197.        5.
S6 R20 82 WN             1909.     1187.        5.
S6 R21 164 WN            1828.     1179.        5.
S6 R22 MID WN            1592.     1167.        5.
S6 R23 MID WS            1585.     1108.        5.
S6 R24 164 WS            1789.     1120.        5.
S6 R25 82 WS             1873.     1126.        5.
S6 R26 SW COR            1972.     1122.        5.
S6 R27 82 SW             1958.     1026.        5.
S6 R28 164 SW            1939.      947.        5.
S6 R29 MID SW            1911.      798.        5.
S5 R1 SE COR SARAT       2183.     2444.        5.
S5 R2 164 SE             2159.     2584.        5.
S5 R3 82 SE              2153.     2664.        5.
S5 R4 SE COR             2154.     2762.        5.
S5 R5 82 ES              2245.     2772.        5.
S5 R5 164 ES             2328.     2775.        5.
S5 R6 MID ES             2556.     2786.        5.
S5 R7 NE COR FRAN        2174.     3214.        5.
S5 R8 NW COR FRAN        1959.     3226.        5.
S5 R8 NE COR MUL         2152.     2825.        5.
S5 R8 NW COR MUL         2002.     2830.        5.
S5 R9  MID WS            1592.     2741.        5.
S5 R10 164 WS            1837.     2752.        5.
S5 R11 82 WS             1909.     2754.        5.
S5 R12 SW COR            2011.     2750.        5.
S5 R13 82 SW             2025.     2662.        5.
S5 R14 164 SW            2032.     2580.        5.
S5 R15 SW COR SARAT      2038.     2437.        5.
S5 R16 NE COR SARAT      2177.     2531.        5.
S5 R17 NW COR SARAT      2026.     2518.        5.
Site 5-6 NB 2021 PM                     92  1   0
  1
NB        MLK AP    AG  2135.   161.  2042.   443.   2770. 8.1  0. 56.   35.
  1
NB        MLK AP    AG  2042.   443.  2012.   664.   2770. 8.1  0. 56.   35.
  1
NB        MLK AP    AG  2012.   664.  2028.   856.   2770. 8.1  0. 56.   35.
  1
NB        MLK TR    AG  2028.   856.  2109.  1174.   2660. 8.1  0. 68.   35.
  2
NB        MLK TRQ   AG  2095.  1119.  2046.   925.      0. 48.   4
       150        75       3.0 2660   43.6 1492 1 3
  1
NB        MLK L     AG  2028.   856.  2017.   903.    110. 8.1  0. 32.   35.
  1
NB        MLK L     AG  2017.   903.  2089.  1173.    110. 8.1  0. 32.   35.
  2
NB        MLK LQ    AG  2074.  1117.  2025.   932.      0. 12.   1
       150        59       3.0  110   43.6 1287 1 3
  1
NB        MLK D FAY AG  2109.  1174.  2145.  1344.   2540. 8.1  0. 56.   35.
  1
NB        MLK LTA FAAG  2145.  1344.  2173.  1566.   2540. 8.1  0. 68.   35.
  2
NB        MLK LTQ FAAG  2165.  1509.  2150.  1384.      0. 48.   4
       150        55       3.0 2540   43.6 1611 1 3
  1
NB        MLK D FAY AG  2173.  1566.  2188.  1656.   2820. 8.1  0. 56.   35.
  1
NB        MLK A SAR AG  2188.  1656.  2193.  1941.   2820. 8.1  0. 56.   35.
  1
NB        MLK A SAR AG  2193.  1941.  2157.  2311.   2820. 8.1  0. 56.   35.
  1
NB        MLK TR SARAG  2157.  2311.  2139.  2484.   2765. 8.1  0. 56.   35.
  2
NB        MLK TRQ SAAG  2146.  2425.  2156.  2329.      0. 36.   3
       150        68       3.0 2765   43.6 1596 1 3
  1
NB        MLK L SAR AG  2157.  2311.  2131.  2365.     55. 8.1  0. 32.   35.
  1
NB        MLK L SAR AG  2131.  2365.  2119.  2484.     55. 8.1  0. 32.   35.
  2
NB        MLK LQ SARAG  2125.  2427.  2130.  2380.      0. 12.   1
       150        54       3.0   55   43.6   86 1 3
  1
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NB        MLK A MUL AG  2139.  2484.  2117.  2791.   2850. 8.1  0. 56.   35.
  2
NB        MLK TRQ MUAG  2120.  2746.  2132.  2589.      0. 36.   3
       150        67       3.0 2850   43.6 1756 1 3
  1
NB        MLK A FRA AG  2117.  2791.  2116.  2956.   2880. 8.1  0. 56.   35.
  1
NB        MLK T A FRAG  2116.  2956.  2131.  3176.   2560. 8.1  0. 56.   35.
  2
NB        MLK TQ FRAAG  2128.  3130.  2123.  3053.      0. 36.   3
       150        65       3.0 2560   43.6 1784 1 3
  1
NB        MLK L A FRAG  2116.  2956.  2096.  3008.    320. 8.1  0. 32.   35.
  1
NB        MLK L QFRAAG  2096.  3008.  2105.  3170.    320. 8.1  0. 32.   35.
  2
NB        MLK LQ FRAAG  2103.  3132.  2097.  3039.      0. 12.   1
       150       125       3.0  320   43.6 1863 1 3
  1
NB        MLK D FRA AG  2131.  3176.  2153.  3319.   2570. 8.1  0. 56.   35.
  1
NB        MLK D FRA AG  2153.  3319.  2184.  3423.   2570. 8.1  0. 56.   35.
  1
NB        MLK D FRA AG  2184.  3423.  2254.  3560.   2570. 8.1  0. 56.   35.
  1
NB        MLK D FRA AG  2254.  3560.  2396.  3748.   2570. 8.1  0. 56.   35.
  1
SB        MLKTRAFRA AG  2341.  3759.  2244.  3658.   1890. 8.1  0. 56.   35.
  1
SB        MLKTAFRA  AG  2244.  3658.  2132.  3493.   1495. 8.1  0. 56.   35.
  1
SB        MLKTAFRA  AG  2132.  3493.  2064.  3332.   1495. 8.1  0. 56.   35.
  1
SB        MLKTAFRA  AG  2064.  3332.  2024.  3162.   1495. 8.1  0. 56.   35.
  2
SB        MLKTQFRA  AG  2034.  3206.  2056.  3297.      0. 36.   3
       150        95       3.0 1495   43.6 1582 1 3
  1
SB        MLKRFRA   AG  2244.  3658.  2135.  3562.    395. 8.1  0. 44.   35.
  1
SB        MLKRAFRA  AG  2135.  3562.  2040.  3397.    395. 8.1  0. 44.   35.
  1
SB        MLKRAFRA  AG  2040.  3397.  1976.  3186.    395. 8.1  0. 44.   35.
  2
SB        MLKRQFRA  AG  1985.  3217.  2013.  3310.      0. 24.   2
       150        95       3.0  395   43.6 1269 1 3
  1
SB        MLKDFRA   AG  2024.  3162.  2029.  3027.   1790. 8.1  0. 56.   35.
  1
SB        MLKTRMUL  AG  2029.  3027.  2042.  2797.   1735. 8.1  0. 56.   35.
  2
SB        MLKTRMUL  AG  2040.  2832.  2034.  2933.      0. 36.   3
       150        50       3.0 1735   43.6 1695 1 3
  1
SB        MLKLMUL   AG  2029.  3027.  2054.  2949.     55. 8.1  0. 32.   35.
  1
SB        MLKLMUL   AG  2054.  2949.  2064.  2802.     55. 8.1  0. 32.   35.
  2
SB        MLK LQ MULAG  2061.  2844.  2055.  2939.      0. 12.   1
       150        50       3.0   53   43.6   86 1 3
  1
SB        MLKASAR   AG  2042.  2797.  2055.  2668.   1930. 8.1  0. 56.   35.
  1
SB        MLKTRSAR  AG  2055.  2668.  2072.  2477.   1895. 8.1  0. 56.   35.
  2
SB        MLKTRSA   AG  2067.  2534.  2057.  2649.      0. 36.   3
       150        68       3.0 1895   43.6 1502 1 3
  1
SB        MLKLASAR  AG  2055.  2668.  2080.  2629.     35. 8.1  0. 32.   35.
  1
SB        MLK LA SARAG  2080.  2629.  2095.  2483.     35. 8.1  0. 32.   35.
  2
SB        MLKLQSA   AG  2090.  2532.  2081.  2619.      0. 12.   1
       150        54       3.0   35   43.6   81 1 3
  1
SB        MLK A FAY AG  2072.  2477.  2125.  1886.   2050. 8.1  0. 56.   35.
  1
SB        MLKAFAY   AG  2125.  1886.  2117.  1558.   2050. 8.1  0. 56.   35.
  2
SB        MLKFAY    AG  2118.  1601.  2121.  1732.      0. 36.   3
       150        55       3.0 2050   43.6 1454 1 3
  1
SB        MLKABAL   AG  2117.  1558.  2089.  1397.   2585. 8.1  0. 56.   35.
  1
SB        MLKTRBAL  AG  2089.  1397.  2030.  1159.   2455. 8.1  0. 56.   35.
  2
SB        MLKTRQBA  AG  2045.  1220.  2071.  1325.      0. 36.   3
       150        75       3.0 2455   43.6 1369 1 3
  1
SB        MLKLBAL   AG  2089.  1397.  2096.  1330.    130. 8.1  0. 32.   35.
  1
SB        MLKLBAL   AG  2096.  1330.  2052.  1157.    130. 8.1  0. 32.   35.
  2
SB        MLKLBAL   AG  2068.  1221.  2094.  1321.      0. 12.   1
       150        59       3.0  130   43.6   81 1 3
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  1
SB        MLK D BAL AG  2030.  1159.  1956.   881.   2560. 8.1  0. 56.   35.
  1
SB        MLK D BAL AG  1956.   881.  1942.   661.   2560. 8.1  0. 56.   35.
  1
SB        MLK D BAL AG  1942.   661.  1970.   406.   2560. 8.1  0. 56.   35.
  1
SB        MLK D BAL AG  1970.   406.  2079.   127.   2560. 8.1  0. 56.   35.
  1
EB        BALT      AG  1066.  1093.  2024.  1153.     745 8.1  0. 44.   30.
  2
EB        BALT      AG  1968.  1149.  1831.  1141.      0. 24.   2
       150       105       3.0  745   43.6 1357 1 3
  1
EB        BALT D    AG  2030.  1159.  3081.  1213.    815. 8.1  0. 44.   30.
  1
WB        BALT      AG  2000.  1170.  1055.  1113.    185. 8.1  0. 32.   30.
  1
WB        FAY       AG  2969.  1609.  2152.  1562.   1295. 8.1  0. 68.   30.
  2
WB        FAY       AG  2225.  1566.  2468.  1580.      0. 48.   4
       150       105       3.0 1295   43.6 1279 1 3
  1
WB        FAY       AG  2152.  1562.  1122.  1513.    480. 8.1  0. 68.   30.
  1
EB        SAR       AG  1281.  2430.  2095.  2471.    200. 8.1  0. 32.   30.
  2
EB        SAR       AG  2022.  2467.  1857.  2459.      0. 12.   1
       150       111       3.0  200   43.6  690 1 3
  1
EB        SAR D     AG  2095.  2471.  3028.  2519.    280. 8.1  0. 44.   30.
  1
WB        SAR       AG  3038.  2535.  2143.  2498.    630. 8.1  0. 44.   30.
  2
WB        SAR       AG  2183.  2500.  2479.  2512.      0. 24.   2
       150       111       3.0  630   43.6 1191 1 3
  1
WB        SAR D     AG  2143.  2498.  1273.  2442.    400. 8.1  0. 32.   30.
  1
EB        MUL       AG  1074.  2750.  1751.  2780.   1225. 8.1  0. 44.   30.
  1
EB        MUL       AG  1751.  2780.  2089.  2793.   1225. 8.1  0. 68.   30.
  2
EB        MUL       AG  1989.  2789.  1849.  2784.      0. 48.   4
       150       110       3.0 1225   43.6 1517 1 3
  1
EB        MUL       AG  2089.  2793.  3078.  2844.   1055. 8.1  0. 44.   30.
  1
EB        US40      BR  1075.  2846.  2358.  2897.   1635. 8.1 15. 56.   35.
  1
EB        US40      BR  2358.  2897.  2794.  2848.   1635. 8.1 15. 56.   35.
  1
EB        US40      AG  2794.  2848.  3075.  2858.   1635. 8.1  0. 56.   35.
  1
WB        US40      AG  2979.  3201.  2659.  3162.   2080. 8.1  0. 56.   35.
  1
WB        US40      BR  2659.  3162.  2329.  3087.   2080. 8.1  15  68   35.
  1
WB        US40      BR  2329.  3087.  1320.  3038.   2080. 8.1  15  68   35.
  1
WB        US40      BR  1320.  3038.  1073.  3002.   2080. 8.1  15  68   35.
  1
WB        FRANK     AG  2987.  3218.  2139.  3169.   1565. 8.1  0. 56.   30.
  2
WB        FRANK     AG  2183.  3171.  2404.  3184.      0. 36.   3
       150        95       3.0 1565   43.6 1557 1 3
  1
WB        FRANK     AG  2139.  3169.  1105.  3123.   1970. 8.1  0. 56.   30.
1.0   04  1000   0Y  5  0 72
```

JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 PM RUN: Site 5-6 NB 2021 PM
DATE: 09/10/2012 TIME: 14:20:40.45

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB MLK AP	*	2135.0	161.0	2042.0	443.0	*	297.	342.	AG	2770.	8.1	.0	56.0		
2. NB MLK AP	*	2042.0	443.0	2012.0	664.0	*	223.	352.	AG	2770.	8.1	.0	56.0		
3. NB MLK AP	*	2012.0	664.0	2028.0	856.0	*	193.	5.	AG	2770.	8.1	.0	56.0		
4. NB MLK TR	*	2028.0	856.0	2109.0	1174.0	*	328.	14.	AG	2660.	8.1	.0	68.0		
5. NB MLK TRQ	*	2095.0	1119.0	2009.9	782.0	*	348.	194.	AG	234.	100.0	.0	48.0	.96	17.7
6. NB MLK L	*	2028.0	856.0	2017.0	903.0	*	48.	347.	AG	110.	8.1	.0	32.0		
7. NB MLK L	*	2017.0	903.0	2089.0	1173.0	*	279.	15.	AG	110.	8.1	.0	32.0		
8. NB MLK LQ	*	2074.0	1117.0	2064.9	1082.7	*	35.	195.	AG	46.	100.0	.0	12.0	.15	1.8
9. NB MLK D FAY	*	2109.0	1174.0	2145.0	1344.0	*	174.	12.	AG	2540.	8.1	.0	56.0		
10. NB MLK LTA FA	*	2145.0	1344.0	2173.0	1566.0	*	224.	7.	AG	2540.	8.1	.0	68.0		
11. NB MLK LTQ FA	*	2165.0	1509.0	2142.2	1319.4	*	191.	187.	AG	172.	100.0	.0	48.0	.66	9.7
12. NB MLK D FAY	*	2173.0	1566.0	2188.0	1656.0	*	91.	9.	AG	2820.	8.1	.0	56.0		
13. NB MLK A SAR	*	2188.0	1656.0	2193.0	1941.0	*	285.	1.	AG	2820.	8.1	.0	56.0		
14. NB MLK A SAR	*	2193.0	1941.0	2157.0	2311.0	*	372.	354.	AG	2820.	8.1	.0	56.0		
15. NB MLK TR SAR	*	2157.0	2311.0	2139.0	2484.0	*	174.	354.	AG	2765.	8.1	.0	56.0		
16. NB MLK TRQ SA	*	2146.0	2425.0	2301.7	930.4	*	1503.	174.	AG	159.	100.0	.0	36.0	1.12	76.3
17. NB MLK L SAR	*	2157.0	2311.0	2131.0	2365.0	*	60.	334.	AG	55.	8.1	.0	32.0		
18. NB MLK L SAR	*	2131.0	2365.0	2119.0	2484.0	*	120.	354.	AG	55.	8.1	.0	32.0		
19. NB MLK LQ SAR	*	2125.0	2427.0	2133.8	2344.3	*	83.	174.	AG	42.	100.0	.0	12.0	1.06	4.2
20. NB MLK A MUL	*	2139.0	2484.0	2117.0	2791.0	*	308.	356.	AG	2850.	8.1	.0	56.0		
21. NB MLK TRQ MU	*	2120.0	2746.0	2185.9	1883.7	*	865.	176.	AG	157.	100.0	.0	36.0	1.04	43.9
22. NB MLK A FRA	*	2117.0	2791.0	2116.0	2956.0	*	165.	360.	AG	2880.	8.1	.0	56.0		
23. NB MLK T A FR	*	2116.0	2956.0	2131.0	3176.0	*	221.	4.	AG	2560.	8.1	.0	56.0		
24. NB MLK TQ FRA	*	2128.0	3130.0	2106.5	2798.8	*	332.	184.	AG	152.	100.0	.0	36.0	.90	16.9
25. NB MLK L A FR	*	2116.0	2956.0	2096.0	3008.0	*	56.	339.	AG	320.	8.1	.0	32.0		
26. NB MLK L QFRA	*	2096.0	3008.0	2105.0	3170.0	*	162.	3.	AG	320.	8.1	.0	32.0		
27. NB MLK LQ FRA	*	2103.0	3132.0	2036.9	2108.1	*	1026.	184.	AG	97.	100.0	.0	12.0	1.29	52.1
28. NB MLK D FRA	*	2131.0	3176.0	2153.0	3319.0	*	145.	9.	AG	2570.	8.1	.0	56.0		
29. NB MLK D FRA	*	2153.0	3319.0	2184.0	3423.0	*	109.	17.	AG	2570.	8.1	.0	56.0		
30. NB MLK D FRA	*	2184.0	3423.0	2254.0	3560.0	*	154.	27.	AG	2570.	8.1	.0	56.0		
31. NB MLK D FRA	*	2254.0	3560.0	2396.0	3748.0	*	236.	37.	AG	2570.	8.1	.0	56.0		
32. SB MLKTRAFRA	*	2341.0	3759.0	2244.0	3658.0	*	140.	224.	AG	1890.	8.1	.0	56.0		
33. SB MLKTAFRA	*	2244.0	3658.0	2132.0	3493.0	*	199.	214.	AG	1495.	8.1	.0	56.0		
34. SB MLKTAFRA	*	2132.0	3493.0	2064.0	3332.0	*	175.	203.	AG	1495.	8.1	.0	56.0		
35. SB MLKTAFRA	*	2064.0	3332.0	2024.0	3162.0	*	175.	193.	AG	1495.	8.1	.0	56.0		
36. SB MLKTQFRA	*	2034.0	3206.0	2109.3	3517.5	*	320.	14.	AG	222.	100.0	.0	36.0	.94	16.3
37. SB MLKRFRA	*	2244.0	3658.0	2135.0	3562.0	*	145.	229.	AG	395.	8.1	.0	44.0		
38. SB MLKRAFRA	*	2135.0	3562.0	2040.0	3397.0	*	190.	210.	AG	395.	8.1	.0	44.0		
39. SB MLKRAFRA	*	2040.0	3397.0	1976.0	3186.0	*	220.	197.	AG	395.	8.1	.0	44.0		
40. SB MLKRQFRA	*	1985.0	3217.0	2014.5	3315.0	*	102.	17.	AG	148.	100.0	.0	24.0	.47	5.2
41. SB MLKDFRA	*	2024.0	3162.0	2029.0	3027.0	*	135.	178.	AG	1790.	8.1	.0	56.0		
42. SB MLKTRMUL	*	2029.0	3027.0	2042.0	2797.0	*	230.	177.	AG	1735.	8.1	.0	56.0		
43. SB MLKTRMUL	*	2040.0	2832.0	2030.6	2989.7	*	158.	357.	AG	117.	100.0	.0	36.0	.54	8.0
44. SB MLKLMUL	*	2029.0	3027.0	2054.0	2949.0	*	82.	162.	AG	55.	8.1	.0	32.0		

JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 PM RUN: Site 5-6 NB 2021 PM
DATE: 09/10/2012 TIME: 14:20:40.45

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB MLKLMUL	*	2054.0	2949.0	2064.0	2802.0	*	147.	176.	AG	55.	8.1	.0	32.0		
46. SB MLK LQ MUL	*	2061.0	2844.0	2058.0	2890.8	*	47.	356.	AG	39.	100.0	.0	12.0	.98	2.4
47. SB MLKASAR	*	2042.0	2797.0	2055.0	2668.0	*	130.	174.	AG	1930.	8.1	.0	56.0		
48. SB MLKTRSAR	*	2055.0	2668.0	2072.0	2477.0	*	192.	175.	AG	1895.	8.1	.0	56.0		
49. SB MLKTRSA	*	2067.0	2534.0	2046.7	2767.7	*	235.	355.	AG	159.	100.0	.0	36.0	.82	11.9
50. SB MLKLASAR	*	2055.0	2668.0	2080.0	2629.0	*	46.	147.	AG	35.	8.1	.0	32.0		
51. SB MLK LA SAR	*	2080.0	2629.0	2095.0	2483.0	*	147.	174.	AG	35.	8.1	.0	32.0		
52. SB MLKLQSA	*	2090.0	2532.0	2088.5	2546.5	*	15.	354.	AG	42.	100.0	.0	12.0	.71	.7
53. SB MLK A FAY	*	2072.0	2477.0	2125.0	1886.0	*	593.	175.	AG	2050.	8.1	.0	56.0		
54. SB MLKAFAY	*	2125.0	1886.0	2117.0	1558.0	*	328.	181.	AG	2050.	8.1	.0	56.0		
55. SB MLKFAY	*	2118.0	1601.0	2122.7	1806.4	*	205.	1.	AG	129.	100.0	.0	36.0	.78	10.4
56. SB MLKABAL	*	2117.0	1558.0	2089.0	1397.0	*	163.	190.	AG	2585.	8.1	.0	56.0		
57. SB MLKTRBAL	*	2089.0	1397.0	2030.0	1159.0	*	245.	194.	AG	2455.	8.1	.0	56.0		
58. SB MLKTRQBA	*	2045.0	1220.0	2589.3	3418.0	*	2264.	14.	AG	175.	100.0	.0	36.0	1.28	115.0
59. SB MLKLBAL	*	2089.0	1397.0	2096.0	1330.0	*	67.	174.	AG	130.	8.1	.0	32.0		
60. SB MLKLBAL	*	2096.0	1330.0	2052.0	1157.0	*	179.	194.	AG	130.	8.1	.0	32.0		
61. SB MLKLBAL	*	2068.0	1221.0	2310.3	2152.8	*	963.	15.	AG	46.	100.0	.0	12.0	2.83	48.9
62. SB MLK D BAL	*	2030.0	1159.0	1956.0	881.0	*	288.	195.	AG	2560.	8.1	.0	56.0		
63. SB MLK D BAL	*	1956.0	881.0	1942.0	661.0	*	220.	184.	AG	2560.	8.1	.0	56.0		
64. SB MLK D BAL	*	1942.0	661.0	1970.0	406.0	*	257.	174.	AG	2560.	8.1	.0	56.0		
65. SB MLK D BAL	*	1970.0	406.0	2079.0	127.0	*	300.	159.	AG	2560.	8.1	.0	56.0		

66. EB	BALT	*	1066.0	1093.0	2024.0	1153.0	*	960.	86.	AG	745.	8.1	.0	44.0		
67. EB	BALT	*	1968.0	1149.0	1551.8	1124.7	*	417.	267.	AG	164.	100.0	.0	24.0	1.03	21.2
68. EB	BALT D	*	2030.0	1159.0	3081.0	1213.0	*	1052.	87.	AG	815.	8.1	.0	44.0		
69. WB	BALT	*	2000.0	1170.0	1055.0	1113.0	*	947.	267.	AG	185.	8.1	.0	32.0		
70. WB	FAY	*	2969.0	1609.0	2152.0	1562.0	*	818.	267.	AG	1295.	8.1	.0	68.0		
71. WB	FAY	*	2225.0	1566.0	2465.6	1579.9	*	241.	87.	AG	327.	100.0	.0	48.0	.95	12.2
72. WB	FAY	*	2152.0	1562.0	1122.0	1513.0	*	1031.	267.	AG	480.	8.1	.0	68.0		
73. EB	SAR	*	1281.0	2430.0	2095.0	2471.0	*	815.	87.	AG	200.	8.1	.0	32.0		
74. EB	SAR	*	2022.0	2467.0	1390.2	2436.4	*	633.	267.	AG	87.	100.0	.0	12.0	1.28	32.1
75. EB	SAR D	*	2095.0	2471.0	3028.0	2519.0	*	934.	87.	AG	280.	8.1	.0	44.0		
76. WB	SAR	*	3038.0	2535.0	2143.0	2498.0	*	896.	268.	AG	630.	8.1	.0	44.0		
77. WB	SAR	*	2183.0	2500.0	2919.7	2529.9	*	737.	88.	AG	173.	100.0	.0	24.0	1.17	37.5
78. WB	SAR D	*	2143.0	2498.0	1273.0	2442.0	*	872.	266.	AG	400.	8.1	.0	32.0		
79. EB	MUL	*	1074.0	2750.0	1751.0	2780.0	*	678.	87.	AG	1225.	8.1	.0	44.0		
80. EB	MUL	*	1751.0	2780.0	2089.0	2793.0	*	338.	88.	AG	1225.	8.1	.0	68.0		
81. EB	MUL	*	1989.0	2789.0	1780.5	2781.6	*	209.	268.	AG	343.	100.0	.0	48.0	.87	10.6
82. EB	MUL	*	2089.0	2793.0	3078.0	2844.0	*	990.	87.	AG	1055.	8.1	.0	44.0		
83. EB	US40	*	1075.0	2846.0	2358.0	2897.0	*	1284.	88.	BR	1635.	8.1	15.0	56.0		
84. EB	US40	*	2358.0	2897.0	2794.0	2848.0	*	439.	96.	BR	1635.	8.1	15.0	56.0		
85. EB	US40	*	2794.0	2848.0	3075.0	2858.0	*	281.	88.	AG	1635.	8.1	.0	56.0		
86. WB	US40	*	2979.0	3201.0	2659.0	3162.0	*	322.	263.	AG	2080.	8.1	.0	56.0		
87. WB	US40	*	2659.0	3162.0	2329.0	3087.0	*	338.	257.	BR	2080.	8.1	15.0	68.0		
88. WB	US40	*	2329.0	3087.0	1320.0	3038.0	*	1010.	267.	BR	2080.	8.1	15.0	68.0		
89. WB	US40	*	1320.0	3038.0	1073.0	3002.0	*	250.	262.	BR	2080.	8.1	15.0	68.0		
90. WB	FRANK	*	2987.0	3218.0	2139.0	3169.0	*	849.	267.	AG	1565.	8.1	.0	56.0		
91. WB	FRANK	*	2183.0	3171.0	2583.5	3194.6	*	401.	87.	AG	222.	100.0	.0	36.0	1.00	20.4
92. WB	FRANK	*	2139.0	3169.0	1105.0	3123.0	*	1035.	267.	AG	1970.	8.1	.0	56.0		

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 PM RUN: Site 5-6 NB 2021 PM
DATE: 09/10/2012 TIME: 14:20:40.45

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. NB MLK TRQ	*	150	75	3.0	2660	1492	43.60	1	3
8. NB MLK LQ	*	150	59	3.0	110	1287	43.60	1	3
11. NB MLK LTQ FA	*	150	55	3.0	2540	1611	43.60	1	3
16. NB MLK TRQ SA	*	150	68	3.0	2765	1596	43.60	1	3
19. NB MLK LQ SAR	*	150	54	3.0	55	86	43.60	1	3
21. NB MLK TRQ MU	*	150	67	3.0	2850	1756	43.60	1	3
24. NB MLK TQ FRA	*	150	65	3.0	2560	1784	43.60	1	3
27. NB MLK LQ FRA	*	150	125	3.0	320	1863	43.60	1	3
36. SB MLKTQFRA	*	150	95	3.0	1495	1582	43.60	1	3
40. SB MLKRQFRA	*	150	95	3.0	395	1269	43.60	1	3
43. SB MLKTRMUL	*	150	50	3.0	1735	1695	43.60	1	3
46. SB MLK LQ MUL	*	150	50	3.0	53	86	43.60	1	3
49. SB MLKTRSA	*	150	68	3.0	1895	1502	43.60	1	3
52. SB MLKLQSA	*	150	54	3.0	35	81	43.60	1	3
55. SB MLKFAY	*	150	55	3.0	2050	1454	43.60	1	3
58. SB MLKTRQBA	*	150	75	3.0	2455	1369	43.60	1	3
61. SB MLKLBAL	*	150	59	3.0	130	81	43.60	1	3
67. EB BALT	*	150	105	3.0	745	1357	43.60	1	3
71. WB FAY	*	150	105	3.0	1295	1279	43.60	1	3
74. EB SAR	*	150	111	3.0	200	690	43.60	1	3
77. WB SAR	*	150	111	3.0	630	1191	43.60	1	3
81. EB MUL	*	150	110	3.0	1225	1517	43.60	1	3
91. WB FRANK	*	150	95	3.0	1565	1557	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. S6 R1 SE MID	*	2067.0	801.0	5.0	*
2. S6 R2 SE COR RED	*	2092.0	968.0	5.0	*
3. S6 R3 82 SE	*	2112.0	1043.0	5.0	*
4. S6 R4 SE COR	*	2139.0	1143.0	5.0	*
5. S6 R5 82 ES	*	2237.0	1146.0	5.0	*
6. S6 R6 164 ES	*	2320.0	1149.0	5.0	*
7. S6 R7 MID ES	*	2537.0	1157.0	5.0	*
8. S6 R8 MID EN	*	2537.0	1229.0	5.0	*
9. S6 R9 164 EN	*	2326.0	1213.0	5.0	*
10. S6 R10 82 EN	*	2236.0	1208.0	5.0	*
11. S6 R11 NE COR	*	2145.0	1207.0	5.0	*
12. S6 R12 82 NE	*	2164.0	1292.0	5.0	*
13. S6 R13 164 NE	*	2179.0	1375.0	5.0	*
14. S6 R14 SE COR FAY	*	2210.0	1529.0	5.0	*
15. S6 R15 NE COR FAY	*	2220.0	1608.0	5.0	*
16. S6 R16 NW COR FAY	*	2073.0	1601.0	5.0	*
17. S6 R17 164 NW	*	2054.0	1380.0	5.0	*
18. S6 R18 82 NW	*	2037.0	1298.0	5.0	*
19. S6 R19 NW COR	*	2002.0	1197.0	5.0	*
20. S6 R20 82 WN	*	1909.0	1187.0	5.0	*
21. S6 R21 164 WN	*	1828.0	1179.0	5.0	*
22. S6 R22 MID WN	*	1592.0	1167.0	5.0	*

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 PM RUN: Site 5-6 NB 2021 PM
DATE: 09/10/2012 TIME: 14:20:40.45

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
23. S6 R23 MID WS	1585.0	1108.0	5.0
24. S6 R24 164 WS	1789.0	1120.0	5.0
25. S6 R25 82 WS	1873.0	1126.0	5.0
26. S6 R26 SW COR	1972.0	1122.0	5.0
27. S6 R27 82 SW	1958.0	1026.0	5.0
28. S6 R28 164 SW	1939.0	947.0	5.0
29. S6 R29 MID SW	1911.0	798.0	5.0
30. S5 R1 SE COR SARAT	2183.0	2444.0	5.0
31. S5 R2 164 SE	2159.0	2584.0	5.0
32. S5 R3 82 SE	2153.0	2664.0	5.0
33. S5 R4 SE COR	2154.0	2762.0	5.0
34. S5 R5 82 ES	2245.0	2772.0	5.0
35. S5 R5 164 ES	2328.0	2775.0	5.0
36. S5 R6 MID ES	2556.0	2786.0	5.0
37. S5 R7 NE COR FRAN	2174.0	3214.0	5.0
38. S5 R8 NW COR FRAN	1959.0	3226.0	5.0
39. S5 R8 NE COR MUL	2152.0	2825.0	5.0
40. S5 R8 NW COR MUL	2002.0	2830.0	5.0
41. S5 R9 MID WS	1592.0	2741.0	5.0
42. S5 R10 164 WS	1837.0	2752.0	5.0
43. S5 R11 82 WS	1909.0	2754.0	5.0
44. S5 R12 SW COR	2011.0	2750.0	5.0
45. S5 R13 82 SW	2025.0	2662.0	5.0
46. S5 R14 164 SW	2032.0	2580.0	5.0
47. S5 R15 SW COR SARAT	2038.0	2437.0	5.0
48. S5 R16 NE COR SARAT	2177.0	2531.0	5.0
49. S5 R17 NW COR SARAT	2026.0	2518.0	5.0

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 PM RUN: Site 5-6 NB 2021 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	1.7	2.6	2.5	2.4	1.4	.8	.4	.2	.6	1.5	2.5	2.8	3.0	2.5	2.6	.8	1.1	1.0	.6	.0
5.	1.6	2.4	2.3	2.4	1.2	.7	.3	.1	.5	1.2	2.5	2.8	2.6	2.5	2.3	1.1	1.5	1.6	1.0	.1
10.	1.3	2.0	2.0	1.8	1.0	.6	.3	.1	.4	.9	1.9	2.3	2.2	2.3	2.0	1.3	1.8	2.1	1.5	.4
15.	.9	1.9	1.5	1.5	1.0	.4	.3	.1	.2	.9	1.6	1.7	1.7	1.8	1.4	1.7	2.4	2.6	1.8	.8
20.	.7	1.4	1.2	1.1	.9	.4	.3	.1	.2	.8	1.1	1.5	1.3	1.6	1.1	1.9	2.5	2.4	1.8	.7
25.	.4	1.0	.8	.9	.9	.4	.3	.1	.2	.7	1.0	1.1	1.1	1.5	1.1	1.9	2.5	2.7	2.1	.8
30.	.2	.6	.8	.7	.8	.3	.3	.1	.1	.7	.7	.8	1.0	1.5	.8	1.9	2.6	2.7	2.1	.9
35.	.1	.6	.6	.6	.8	.3	.2	.1	.1	.7	.5	.7	.9	1.5	.7	1.8	2.5	2.7	2.1	1.0
40.	.1	.3	.5	.7	.7	.3	.2	.1	.1	.7	.5	.6	.8	1.5	.6	1.8	2.6	2.5	2.1	.9
45.	.1	.3	.3	.6	.8	.4	.2	.0	.1	.5	.5	.5	.8	1.7	.6	1.8	2.6	2.6	1.9	1.0
50.	.1	.3	.3	.6	.8	.3	.3	.0	.1	.5	.5	.5	.7	1.8	.6	1.9	2.4	2.7	1.9	1.1
55.	.1	.3	.3	.5	.7	.3	.3	.0	.0	.5	.4	.5	.7	1.8	.6	1.7	2.3	2.3	1.9	1.0
60.	.1	.3	.3	.5	.7	.3	.3	.0	.0	.4	.4	.4	.6	1.9	.5	1.5	2.4	2.2	1.3	1.1
65.	.0	.3	.3	.5	.7	.3	.3	.0	.0	.4	.3	.3	.5	2.0	.6	1.4	2.2	2.3	1.2	.9
70.	.0	.3	.3	.6	.8	.3	.3	.0	.0	.4	.3	.2	.4	2.0	.7	1.5	2.1	2.1	1.1	.7
75.	.0	.1	.2	.6	.8	.3	.3	.0	.1	.5	.3	.2	.5	1.9	.7	1.6	2.2	1.7	1.2	.7
80.	.0	.1	.2	.6	.8	.3	.3	.1	.1	.5	.3	.2	.3	1.8	.9	1.9	2.1	1.8	1.2	.7
85.	.0	.1	.1	.6	.7	.3	.2	.1	.1	.5	.3	.2	.3	1.6	1.2	1.9	1.9	1.7	1.1	.7
90.	.0	.1	.1	.5	.7	.3	.2	.1	.2	.6	.4	.2	.3	1.3	1.4	1.9	2.0	1.7	1.2	.7
95.	.0	.1	.1	.4	.6	.2	.1	.2	.2	.6	.4	.3	.3	1.0	1.6	2.0	1.8	1.7	1.2	.8
100.	.0	.1	.1	.4	.5	.1	.1	.2	.2	.6	.4	.3	.2	.9	1.7	2.0	1.9	1.8	1.2	.8
105.	.0	.0	.1	.3	.5	.1	.1	.2	.2	.6	.4	.3	.4	.7	1.8	2.0	1.9	1.8	1.2	.9
110.	.0	.0	.1	.3	.5	.1	.0	.2	.2	.6	.4	.3	.4	.7	2.0	1.8	1.9	1.8	1.2	1.1
115.	.0	.0	.1	.3	.4	.0	.0	.2	.2	.6	.4	.3	.4	.6	2.0	1.8	1.9	1.7	1.3	1.1
120.	.0	.0	.1	.2	.4	.0	.0	.2	.2	.6	.4	.3	.4	.5	2.0	1.5	1.9	1.7	1.3	1.1
125.	.0	.0	.1	.2	.4	.0	.0	.2	.2	.6	.4	.3	.4	.5	1.9	1.8	1.8	1.7	1.2	1.1
130.	.0	.0	.0	.2	.4	.0	.0	.2	.2	.7	.4	.3	.4	.5	1.8	1.6	1.9	1.7	1.3	1.2
135.	.0	.0	.0	.1	.4	.0	.0	.2	.2	.7	.4	.3	.4	.6	1.9	1.6	1.8	1.8	1.2	1.3
140.	.0	.1	.1	.1	.4	.0	.0	.2	.2	.7	.4	.4	.4	.6	1.9	1.6	1.9	2.0	1.3	1.3
145.	.0	.1	.1	.2	.4	.0	.0	.2	.2	.7	.3	.4	.4	.6	2.0	1.6	1.9	1.9	1.4	1.2
150.	.0	.1	.1	.2	.4	.0	.0	.2	.2	.7	.3	.4	.5	.6	2.0	1.7	2.0	1.9	1.5	1.2
155.	.0	.1	.1	.1	.4	.0	.0	.2	.2	.7	.4	.4	.5	.7	2.0	1.6	2.1	1.9	1.5	1.3
160.	.0	.1	.1	.1	.3	.0	.0	.2	.2	.6	.4	.3	.4	.8	2.0	1.9	2.0	2.2	1.4	1.1
165.	.2	.1	.1	.1	.3	.1	.0	.2	.2	.6	.4	.3	.4	.7	1.9	1.8	2.0	2.1	1.5	1.1
170.	.2	.2	.1	.1	.2	.1	.0	.2	.3	.5	.5	.3	.6	.6	2.0	1.7	2.0	2.0	1.6	1.3
175.	.5	.6	.4	.3	.1	.2	.0	.2	.3	.4	.6	.5	.7	.7	2.0	1.6	2.0	2.1	1.7	1.1
180.	.6	.7	.6	.3	.1	.2	.0	.2	.4	.4	.8	.6	1.0	.9	2.1	1.5	2.0	2.1	1.6	.8
185.	.7	1.1	1.0	.9	.1	.3	.0	.2	.4	.3	1.2	.8	1.2	1.0	2.0	1.1	2.0	1.9	1.5	.7
190.	.9	1.3	1.4	1.2	.0	.4	.0	.2	.5	.3	1.5	1.3	1.5	1.2	2.3	.9	1.5	1.6	1.2	.6
195.	1.0	1.5	1.6	1.5	.1	.4	.0	.2	.5	.6	2.0	1.6	1.8	1.6	2.3	.7	1.3	1.4	.7	.5
200.	1.0	1.8	1.8	1.8	.5	.4	.0	.2	.6	.6	2.0	1.6	1.9	1.7	2.6	.5	1.0	1.2	.6	.5
205.	1.0	2.0	2.0	1.8	.6	.5	.0	.2	.7	.8	2.1	1.6	1.9	2.0	2.4	.2	.6	.8	.4	.5

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 PM RUN: Site 5-6 NB 2021 PM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.0	2.0	2.0	1.9	.6	.8	.0	.2	.9	.9	2.0	1.7	2.1	2.1	2.4	.2	.5	.6	.4	.6
215.	1.0	2.0	2.0	1.9	.6	.8	.0	.2	1.0	1.1	1.9	1.5	1.9	1.9	2.1	.2	.3	.5	.5	.6
220.	1.1	1.9	2.1	1.7	.8	.8	.0	.3	1.1	1.0	1.6	1.5	2.1	2.0	2.3	.2	.3	.3	.4	.7
225.	1.0	2.0	1.9	1.7	.8	.9	.1	.4	1.1	1.1	1.6	1.5	2.1	1.9	2.1	.1	.3	.3	.4	.7
230.	1.0	2.0	1.9	1.6	.8	1.1	.1	.5	1.0	.9	1.6	1.4	2.0	1.8	1.9	.1	.3	.4	.6	.7
235.	1.0	1.8	2.0	1.5	.8	1.0	.2	.5	1.0	.9	1.5	1.4	2.1	1.8	1.8	.1	.3	.4	.6	.7
240.	1.1	1.8	1.7	1.4	.8	.9	.3	.6	1.0	.9	1.6	1.4	2.0	1.6	1.8	.1	.3	.3	.6	.7
245.	1.1	1.7	1.7	1.4	.8	1.0	.4	.6	.9	.9	1.4	1.4	2.1	1.5	1.6	.2	.2	.3	.7	.7
250.	1.2	1.7	1.7	1.5	.8	1.0	.5	.6	1.0	1.0	1.3	1.4	1.8	1.5	1.8	.2	.0	.3	.7	.7
255.	1.2	1.6	1.6	1.4	.9	.9	.5	.6	1.2	.8	1.4	1.3	1.8	1.6	1.7	.2	.0	.3	.6	.6
260.	1.3	1.6	1.6	1.3	1.0	1.2	.5	.5	1.1	.8	1.4	1.3	1.7	1.6	1.7	.2	.0	.0	.6	.6
265.	1.3	1.6	1.6	1.5	.9	1.1	.6	.6	1.0	.8	1.2	1.2	1.7	1.5	1.6	.1	.0	.0	.4	.4
270.	1.4	1.6	1.7	1.5	1.0	1.4	.6	.4	.9	.9	1.2	1.1	1.8	1.5	1.6	.1	.0	.0	.3	.3
275.	1.4	1.6	1.8	1.4	1.0	1.3	.6	.5	.9	.7	1.3	1.2	1.7	1.6	1.5	.1	.0	.0	.2	.2
280.	1.4	1.8	1.9	1.4	1.0	1.1	.6	.4	.7	.6	1.1	1.2	1.7	1.6	1.4	.0	.0	.0	.1	.1
285.	1.4	1.9	2.0	1.4	.7	1.1	.7	.5	.7	.6	1.2	1.2	1.7	1.6	1.4	.0	.0	.0	.0	.0
290.	1.3	1.9	2.0	1.5	.9	1.0	.7	.5	.7	.6	1.2	1.1	1.7	1.5	1.4	.0	.0	.0	.0	.0
295.	1.3	1.8	1.7	1.2	.9	1.1	.8	.5	.7	.6	1.1	1.2	1.7	1.6	1.5	.0	.0	.0	.0	.0
300.	1.4	1.7	1.7	1.3	.8	1.1	.7	.5	.8	.6	1.1	1.2	1.8	1.6	1.6	.0	.0	.0	.0	.0
305.	1.5	1.7	1.7	1.4	.8	1.0	.7	.5	.9	.6	1.1	1.3	1.7	1.7	1.6	.0	.0	.0	.0	.0
310.	1.5	1.8	1.8	1.3	.8	1.2	.6	.4	1.0	.7	1.1	1.6	1.8	1.7	1.8	.0	.0	.0	.0	.0
315.	1.7	1.8	1.8	1.4	.7	1.2	.5	.5	.9	.8	1.2	1.5	1.9	1.7	1.8	.0	.0	.1	.0	.0
320.	1.6	1.9	1.7	1.3	.7	1.3	.7	.6	.9	.8	1.3	1.7	2.0	1.8	1.9	.0	.0	.1	.0	.0
325.	1.6	1.8	1.7	1.4	1.0	1.2	.7	.6	1.0	.8	1.3	1.9	2.2	2.0	1.7	.0	.0	.1	.0	.0
330.	1.6	1.9	1.9	1.4	1.0	1.2	.7	.6	.9	.9	1.6	2.0	2.2	2.0	2.0	.0	.0	.1	.0	.0
335.	1.7	1.9	1.9	1.5	1.0	1.2	.7	.9	1.0	1.0	1.7	1.9	2.2	2.1	2.2	.0	.0	.1	.0	.0
340.	1.6	2.0	2.0	1.6	1.1	1.3	.7	.6	1.1	1.0	1.7	2.2	2.2	2.2	2.6	.0	.0	.1	.0	.0
345.	1.6	2.1	1.9	1.9	1.3	1.5	.7	.5	1.3	1.2	1.8	2.2	2.8	2.5	2.7	.1	.0	.1	.0	.0
350.	1.7	2.1	2.1	2.1	1.6	1.4	.5	.3	1.0	1.5	2.1	2.7	2.9	2.6	2.8	.2	.3	.2	.1	.0
355.	1.6	2.4	2.4	2.4	1.6	1.0	.5	.3	.9	1.4	2.3	2.8	2.9	2.4	2.9	.6	.5	.6	.2	.0
360.	1.7	2.6	2.5	2.4	1.4	.8	.4	.2	.6	1.5	2.5	2.8	3.0	2.5	2.6	.8	1.1	1.0	.6	.0
MAX	1.7	2.6	2.5	2.4	1.6	1.5	.8	.9	1.3	1.5	2.5	2.8	3.0	2.6	2.9	2.0	2.6	2.7	2.1	1.3
DEGR.	0	0	0	0	350	345	295	335	345	0	0	355	0	350	355	100	30	50	25	170

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 PM RUN: Site 5-6 NB 2021 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	.0	.0	.7	.7	.7	.5	.5	.5	.5	1.3	1.6	1.7	1.5	.8	.8	1.0	.9	.0	1.3	1.0
5.	.0	.0	.7	.7	.7	1.0	.8	.6	.7	.9	1.4	1.3	1.2	.8	.7	.9	.8	.0	1.4	1.3
10.	.1	.0	.7	.7	1.0	1.4	1.3	.9	.9	.8	1.1	1.2	1.1	.8	.9	.7	.7	.3	.9	1.4
15.	.4	.0	.7	.8	1.2	1.6	1.5	1.1	1.3	.7	.9	.8	1.0	.9	.8	.7	.4	.3	.8	1.8
20.	.5	.0	.8	1.0	1.2	1.6	1.7	1.4	1.6	.8	.7	.7	.8	.8	.9	.6	.4	.6	.6	1.9
25.	.5	.1	.8	1.0	1.4	1.9	1.6	1.7	1.6	.7	.7	.7	.7	.8	.9	.7	.4	.6	.6	1.8
30.	.6	.1	.9	1.3	1.6	1.7	1.6	1.6	1.9	.8	.7	.7	.9	.8	.9	.7	.1	1.2	.6	1.9
35.	.7	.2	1.0	1.3	1.6	1.9	1.7	1.6	1.5	.9	.5	.7	.9	.9	.9	.7	.0	1.2	.7	1.9
40.	.7	.2	1.0	1.5	1.7	1.7	1.7	1.7	1.5	.9	.6	.6	.8	1.0	1.0	.7	.0	1.4	.6	2.0
45.	.8	.2	1.1	1.7	2.0	1.7	1.6	1.6	1.6	.9	.5	.6	.8	.9	1.1	.6	.0	1.4	.6	2.0
50.	.9	.2	1.2	1.8	1.9	1.6	1.4	1.6	1.6	.9	.5	.4	.7	.9	1.0	.5	.0	1.5	.6	2.1
55.	.9	.2	1.3	1.8	1.9	1.5	1.5	1.5	1.5	.7	.5	.4	.8	.8	.9	.5	.0	1.5	.5	2.2
60.	.9	.4	1.4	1.7	1.6	1.2	1.4	1.5	1.4	.8	.4	.4	.6	.7	.8	.5	.0	1.3	.6	2.0
65.	.9	.5	1.3	1.4	1.6	1.3	1.4	1.5	1.4	.8	.3	.3	.6	.8	.8	.7	.1	1.3	.6	1.9
70.	.5	.3	1.5	1.4	1.7	1.2	1.4	1.4	1.1	.8	.2	.3	.6	.8	.8	.7	.3	1.3	.5	1.7
75.	.5	.4	1.3	1.5	1.5	1.2	1.4	1.3	1.1	.7	.1	.3	.5	.7	.7	.6	.3	1.5	.4	1.8
80.	.6	.6	1.3	1.5	1.4	1.4	1.4	1.3	1.2	.7	.2	.2	.5	.7	.7	.5	.5	1.5	.5	1.8
85.	.8	.5	1.3	1.4	1.5	1.3	1.3	1.3	1.2	.6	.2	.2	.5	.6	.6	.5	.9	1.4	.6	1.9
90.	.9	1.0	1.1	1.2	1.2	1.1	1.3	1.3	1.1	.6	.3	.1	.4	.6	.5	.3	1.1	1.8	.5	1.7
95.	1.0	.9	.8	1.0	1.1	1.2	1.3	1.2	1.1	.3	.4	.2	.2	.4	.4	.2	1.2	1.7	.6	1.8
100.	1.1	1.0	.7	.9	1.0	1.2	1.3	1.2	1.1	.3	.4	.2	.2	.3	.3	.1	1.4	1.9	.6	1.5
105.	1.1	1.0	.5	.7	.9	1.1	1.2	1.2	1.0	.2	.5	.3	.2	.3	.3	.1	1.4	1.8	.5	1.6
110.	1.2	1.0	.5	.7	.9	1.2	1.2	1.2	.9	.2	.5	.4	.2	.3	.3	.0	1.4	1.6	.6	1.5
115.	1.2	1.0	.4	.6	.7	1.2	1.2	1.2	.9	.2	.6	.5	.2	.3	.3	.0	1.3	1.8	.6	1.5
120.	1.2	1.0	.5	.6	.7	1.2	1.2	1.3	.9	.2	.6	.5	.2	.3	.3	.0	1.4	1.8	.5	1.6
125.	1.3	1.0	.3	.5	.6	1.1	1.2	1.2	1.0	.2	.6	.5	.2	.3	.3	.1	1.4	1.5	.5	1.8
130.	1.3	1.1	.2	.4	.6	1.1	1.2	1.2	1.0	.2	.5	.5	.2	.3	.3	.1	1.3	1.3	.5	1.5
135.	1.2	.9	.2	.4	.6	1.1	1.2	1.4	.9	.2	.5	.5	.2	.3	.3	.1	1.3	1.4	.5	1.7
140.	1.2	.8	.1	.5	.6	1.1	1.2	1.3	1.0	.2	.5	.4	.2	.3	.3	.1	1.3	1.6	.5	1.8
145.	1.2	.7	.1	.5	.6	1.2	1.4	1.3	1.2	.2	.5	.4	.3	.3	.4	.1	1.1	1.6	.5	1.9
150.	1.2	.6	.1	.5	.7	1.2	1.4	1.5	1.1	.2	.5	.5	.3	.3	.4	.1	1.1	1.6	.5	2.0
155.	1.0	.5	.0	.4	.7	1.3	1.4	1.6	1.3	.4	1.0	.5	.4	.3	.4	.1	1.2	1.7	.6	2.2
160.	1.1	.5	.0	.4	.7	1.3	1.6	1.6	1.3	.6	1.2	1.0	.6	.3	.4	.1	1.1	1.9	.7	2.1
165.	1.2	.5	.0	.3	.7	1.4	1.5	1.6	1.2	.8	1.5	1.2	1.0	.3	.4	.1	1.0	1.8	1.1	2.0
170.	.8	.5	.0	.2	.5	1.4	1.8	1.6	1.1	1.3	1.9	1.7	1.3	.4	.4	.1	1.4	1.8	1.4	1.9
175.	.8	.5	.0	.0	.3	1.4	1.7	1.4	1.0	1.7	2.5	2.0	1.5	.6	.5	.1	1.6	1.5	1.5	1.6
180.	.6	.5	.0	.0	.2	1.1	1.3	1.2	.6	2.1	2.5	2.2	1.8	.8	.6	.1	1.8	.9	2.1	1.3

185. *	.6	.5	.0	.0	.1	1.0	1.1	.9	.4	2.3	2.5	2.5	2.0	.9	.7	.2	2.0	.7	2.2	1.0
190. *	.6	.5	.0	.0	.0	.6	.8	.7	.2	2.3	2.6	2.6	2.3	.9	.7	.3	2.1	.7	2.4	.7
195. *	.5	.5	.0	.0	.0	.3	.6	.5	.2	2.2	2.4	2.4	2.1	.8	.8	.4	2.1	.7	1.9	.7
200. *	.6	.5	.0	.0	.0	.3	.3	.4	.1	2.1	2.4	2.4	1.9	.9	.7	.5	2.1	.7	1.9	.8
205. *	.7	.5	.0	.0	.0	.1	.3	.2	.0	2.2	2.2	2.2	2.0	.9	.8	.6	2.1	.7	1.9	.9

1

JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 PM RUN: Site 5-6 NB 2021 PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210. *	.7	.6	.0	.0	.0	.1	.1	.2	.0	2.1	2.0	2.0	1.7	.9	.5	.8	2.1	.6	1.8	.9
215. *	.7	.6	.0	.0	.0	.0	.1	.1	.0	2.0	2.0	2.0	1.8	.9	.5	.8	1.9	.6	1.8	1.0
220. *	.7	.5	.0	.0	.0	.0	.1	.0	.0	1.9	1.7	1.9	1.7	.8	.7	.8	1.9	.7	1.9	1.1
225. *	.7	.5	.0	.0	.0	.0	.0	.0	.0	1.7	1.8	1.8	1.5	.8	.5	.6	1.9	.7	1.8	1.1
230. *	.7	.4	.0	.0	.0	.0	.0	.0	.0	1.6	1.9	1.9	1.5	.8	.6	.6	1.6	.7	1.8	1.2
235. *	.7	.4	.1	.1	.1	.0	.0	.0	.0	1.6	1.8	1.9	1.6	.9	.6	.5	1.6	.7	1.7	1.2
240. *	.7	.4	.1	.1	.2	.0	.0	.0	.0	1.5	1.8	1.8	1.4	.9	.6	.4	1.6	.7	1.8	1.4
245. *	.7	.4	.1	.2	.2	.0	.0	.0	.0	1.5	1.8	1.8	1.4	.8	.6	.4	1.7	.7	2.0	1.4
250. *	.7	.3	.2	.3	.4	.2	.0	.0	.0	1.4	1.9	1.7	1.6	.8	.6	.5	1.7	.6	2.0	1.4
255. *	.6	.3	.2	.4	.5	.3	.0	.0	.0	1.4	1.8	1.7	1.5	1.0	.7	.5	1.6	.5	2.1	1.3
260. *	.6	.3	.3	.6	.7	.4	.0	.0	.0	1.5	1.9	1.9	1.6	1.0	.8	.6	1.4	.4	2.1	1.2
265. *	.5	.2	.4	.7	.8	.5	.0	.0	.0	1.4	1.8	1.9	1.9	1.4	1.1	.7	1.3	.4	2.2	1.2
270. *	.4	.1	.5	.9	1.0	.7	.0	.0	.0	1.5	1.8	1.9	1.9	1.3	.8	.9	1.3	.2	2.3	1.0
275. *	.2	.1	.6	1.0	1.1	.8	.2	.0	.0	1.6	1.7	2.0	1.9	1.5	1.2	.9	1.2	.1	2.2	.8
280. *	.1	.0	.6	1.1	1.2	.8	.2	.0	.0	1.6	1.8	2.3	2.0	1.5	1.2	1.2	1.1	.1	2.0	.6
285. *	.0	.0	.7	1.1	1.2	.9	.2	.0	.0	1.7	2.0	2.3	1.9	1.5	1.3	1.3	1.1	.0	2.1	.8
290. *	.0	.0	.6	1.0	1.1	.9	.2	.2	.0	1.5	2.0	2.1	2.1	1.6	1.2	1.2	1.0	.0	1.9	.5
295. *	.0	.0	.7	1.0	1.0	.8	.3	.2	.0	1.6	2.0	2.4	2.1	1.5	1.2	1.1	1.0	.0	1.9	.5
300. *	.0	.0	.7	1.0	1.0	.7	.3	.2	.0	2.0	2.4	2.4	2.1	1.4	1.2	1.1	1.0	.0	2.0	.5
305. *	.0	.0	.8	.9	1.0	.7	.3	.2	.0	1.9	2.5	2.4	1.9	1.5	1.1	1.1	.9	.0	2.0	.5
310. *	.0	.0	.7	.8	.8	.7	.3	.2	.0	2.0	2.4	2.4	2.1	1.5	1.1	1.0	.9	.0	2.0	.5
315. *	.0	.0	.7	.8	.8	.6	.3	.2	.1	2.1	2.6	2.4	2.1	1.5	1.0	1.0	1.0	.0	1.9	.5
320. *	.0	.0	.7	.8	.8	.6	.3	.2	.1	2.3	2.5	2.4	2.0	1.4	1.0	1.1	1.0	.0	2.0	.4
325. *	.0	.0	.7	.7	.8	.6	.3	.2	.1	2.6	2.6	2.5	2.1	1.4	1.0	1.1	.9	.0	2.1	.4
330. *	.0	.0	.7	.7	.7	.6	.3	.2	.1	2.5	2.6	2.4	2.3	1.2	1.0	1.0	1.0	.0	2.1	.4
335. *	.0	.0	.7	.7	.7	.5	.3	.2	.1	2.3	2.6	2.5	2.2	1.2	.8	.9	1.0	.0	2.0	.4
340. *	.0	.0	.7	.7	.7	.5	.3	.2	.1	2.3	2.5	2.5	2.3	1.1	.8	.9	1.0	.0	2.1	.5
345. *	.0	.0	.7	.7	.7	.5	.2	.3	.1	2.2	2.4	2.4	2.4	1.0	.9	.9	1.1	.0	2.0	.5
350. *	.0	.0	.7	.7	.7	.4	.3	.3	.2	1.9	2.4	2.4	1.9	1.1	.7	1.0	1.0	.0	1.9	.7
355. *	.0	.0	.7	.7	.7	.4	.3	.3	.3	1.5	2.0	1.9	1.9	1.0	.7	1.0	1.1	.0	1.8	.9
360. *	.0	.0	.7	.7	.7	.5	.5	.5	.5	1.3	1.6	1.7	1.5	.8	.8	1.0	.9	.0	1.3	1.0
MAX *	1.3	1.1	1.5	1.8	2.0	1.9	1.8	1.7	1.9	2.6	2.6	2.6	2.4	1.6	1.3	1.3	2.1	1.9	2.4	2.2
DEGR. *	125	130	70	50	45	35	170	25	30	325	190	190	345	290	285	285	190	160	190	55

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 PM RUN: Site 5-6 NB 2021 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
0. *	.7	1.7	1.7	1.4	1.9	2.0	1.7	1.0	1.4
5. *	.7	1.7	1.8	1.8	2.0	2.1	2.0	1.0	1.6
10. *	.7	1.8	1.8	2.0	2.0	2.1	2.0	.5	1.8
15. *	.7	1.8	2.0	1.8	2.1	2.2	2.1	.4	2.0
20. *	.7	1.8	2.1	1.6	2.2	2.3	2.1	.5	2.0
25. *	.7	1.8	2.2	2.0	2.4	2.3	1.8	.5	1.9
30. *	.7	2.1	2.0	2.0	2.5	2.4	1.8	.3	2.0
35. *	.8	2.1	2.5	2.1	2.4	2.5	1.8	.4	2.1
40. *	.8	2.2	2.6	2.4	2.4	2.3	1.6	.4	1.7
45. *	.7	2.5	2.7	2.2	2.4	2.3	1.6	.4	1.6
50. *	.7	2.6	2.9	2.2	2.2	2.0	2.0	.4	1.7
55. *	.8	2.8	2.7	2.2	1.9	2.0	1.5	.4	1.7
60. *	1.0	2.8	2.6	1.8	1.8	1.8	1.5	.4	1.6
65. *	1.2	2.5	2.5	1.8	1.7	1.8	1.8	.3	1.5
70. *	1.3	2.3	2.1	2.0	1.8	1.8	1.6	.3	1.5
75. *	1.0	2.3	2.1	1.9	1.8	1.9	1.7	.4	1.5
80. *	1.0	2.2	2.0	1.8	1.7	1.8	1.8	.5	1.6
85. *	1.0	1.9	1.6	1.9	1.7	1.8	1.7	.5	1.6
90. *	.7	1.5	1.6	1.8	1.6	2.0	1.8	.7	1.6
95. *	.6	1.3	1.3	1.6	1.7	2.0	1.5	.9	1.8
100. *	.8	1.1	1.3	1.6	1.7	1.9	1.5	1.0	1.7
105. *	.6	1.0	1.1	1.5	1.8	1.9	1.4	1.0	1.7
110. *	.4	1.0	1.1	1.6	1.8	2.0	1.5	1.0	1.6
115. *	.3	1.1	1.1	1.7	1.9	2.1	1.5	.9	1.4
120. *	.2	.9	1.1	1.7	1.9	2.0	1.6	.9	1.4
125. *	.3	.7	1.0	1.7	1.9	1.9	1.6	1.0	1.5
130. *	.5	.7	1.0	1.8	1.8	1.9	1.5	1.0	1.5

135.	*	.5	.9	.7	1.9	2.0	2.0	1.8	.9	1.7
140.	*	.5	.9	.9	1.9	2.1	1.9	1.8	.8	1.7
145.	*	.3	.8	1.0	2.0	2.1	1.9	1.7	.8	1.7
150.	*	.2	.7	1.0	2.1	2.2	2.1	1.9	.7	1.8
155.	*	.1	.5	.8	2.0	2.3	2.1	2.0	.6	1.7
160.	*	.0	.5	.7	2.0	2.2	2.1	1.8	1.0	1.8
165.	*	.0	.3	.6	1.9	2.1	1.9	1.7	1.0	1.8
170.	*	.0	.3	.4	1.6	1.9	1.7	1.6	1.5	1.3
175.	*	.0	.0	.3	1.4	1.4	1.2	1.4	1.8	1.1
180.	*	.0	.0	.0	.8	1.1	1.1	.8	2.2	.8
185.	*	.0	.0	.0	.5	.6	.6	.5	2.1	.5
190.	*	.0	.0	.0	.2	.4	.3	.2	2.2	.4
195.	*	.0	.0	.0	.0	.1	.4	.2	2.1	.3
200.	*	.0	.0	.0	.0	.1	.2	.1	2.0	.2
205.	*	.0	.0	.0	.0	.2	.2	.0	1.9	.2

1

JOB: Site 5-6 MLK & Mulberry/Balt NB 2021 PM RUN: Site 5-6 NB 2021 PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
210.	*	.0	.0	.0	.0	.2	.1	.0	1.8	.2
215.	*	.0	.0	.0	.0	.1	.1	.0	1.6	.2
220.	*	.0	.0	.0	.0	.1	.1	.0	1.5	.2
225.	*	.0	.0	.0	.0	.1	.1	.0	1.5	.2
230.	*	.0	.0	.0	.0	.1	.2	.0	1.7	.2
235.	*	.0	.0	.1	.0	.1	.2	.0	1.6	.2
240.	*	.0	.1	.2	.0	.1	.2	.0	1.5	.3
245.	*	.0	.1	.2	.0	.0	.2	.0	1.7	.3
250.	*	.1	.3	.2	.2	.0	.2	.0	1.6	.3
255.	*	.1	.3	.4	.2	.0	.1	.1	1.6	.2
260.	*	.2	.4	.6	.4	.0	.1	.1	1.5	.2
265.	*	.2	.6	.8	.8	.0	.0	.1	1.6	.2
270.	*	.3	.8	1.2	1.0	.1	.0	.3	1.6	.2
275.	*	.5	.9	1.4	1.2	.2	.0	.4	1.4	.1
280.	*	.5	1.1	1.6	1.4	.3	.1	.4	1.4	.0
285.	*	.5	1.3	1.7	1.6	.4	.2	.4	1.5	.0
290.	*	.6	1.4	1.8	1.6	.5	.2	.4	1.8	.2
295.	*	.7	1.5	2.0	1.7	.5	.3	.5	1.7	.2
300.	*	.7	1.6	2.0	1.7	.7	.3	.6	1.8	.2
305.	*	.7	1.7	2.0	1.5	.8	.5	.6	2.1	.3
310.	*	.7	1.6	1.9	1.5	.8	.6	.5	2.3	.4
315.	*	.8	1.7	1.8	1.4	.8	.6	.6	2.2	.4
320.	*	.7	1.7	1.8	1.3	.8	.6	.6	2.1	.6
325.	*	.7	1.7	1.7	1.3	.9	.7	.6	2.2	.6
330.	*	.7	1.7	1.7	1.2	.8	.8	.7	2.2	.6
335.	*	.7	1.7	1.7	1.0	.8	.7	.8	2.3	.6
340.	*	.6	1.7	1.7	1.0	.8	.9	.9	2.0	.6
345.	*	.7	1.7	1.7	1.0	1.0	1.0	.9	1.9	.9
350.	*	.7	1.7	1.7	1.1	1.1	1.1	1.1	1.4	.9
355.	*	.7	1.7	1.7	1.3	1.4	1.5	1.4	1.3	1.2
360.	*	.7	1.7	1.7	1.4	1.9	2.0	1.7	1.0	1.4
MAX	*	1.3	2.8	2.9	2.4	2.5	2.5	2.1	2.3	2.1
DEGR.	*	70	55	50	40	30	35	15	310	35

THE HIGHEST CONCENTRATION IS 3.00 PPM AT 0 DEGREES FROM REC13.
THE 2ND HIGHEST CONCENTRATION IS 2.90 PPM AT 355 DEGREES FROM REC15.
THE 3RD HIGHEST CONCENTRATION IS 2.90 PPM AT 50 DEGREES FROM REC43.

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Site 5-6 MLK & Mulberry/Balt NB 2035 AM 60.0321.0.0000.000490.30480000    1    1
S6 R1 SE MID              2067.      801.        5.
S6 R2 SE COR RED          2092.      968.        5.
S6 R3 82 SE               2112.     1043.        5.
S6 R4 SE COR              2139.     1143.        5.
S6 R5 82 ES               2237.     1146.        5.
S6 R6 164 ES              2320.     1149.        5.
S6 R7 MID ES              2537.     1157.        5.
S6 R8 MID EN              2537.     1229.        5.
S6 R9 164 EN              2326.     1213.        5.
S6 R10 82 EN              2236.     1208.        5.
S6 R11 NE COR             2145.     1207.        5.
S6 R12 82 NE              2164.     1292.        5.
S6 R13 164 NE             2179.     1375.        5.
S6 R14 SE COR FAY         2210.     1529.        5.
S6 R15 NE COR FAY         2220.     1608.        5.
S6 R16 NW COR FAY         2073.     1601.        5.
S6 R17 164 NW             2054.     1380.        5.
S6 R18 82 NW              2037.     1298.        5.
S6 R19 NW COR             2002.     1197.        5.
S6 R20 82 WN              1909.     1187.        5.
S6 R21 164 WN             1828.     1179.        5.
S6 R22 MID WN             1592.     1167.        5.
S6 R23 MID WS             1585.     1108.        5.
S6 R24 164 WS             1789.     1120.        5.
S6 R25 82 WS              1873.     1126.        5.
S6 R26 SW COR             1972.     1122.        5.
S6 R27 82 SW              1958.     1026.        5.
S6 R28 164 SW             1939.      947.        5.
S6 R29 MID SW             1911.      798.        5.
S5 R1 SE COR SARAT        2183.     2444.        5.
S5 R2 164 SE              2159.     2584.        5.
S5 R3 82 SE               2153.     2664.        5.
S5 R4 SE COR              2154.     2762.        5.
S5 R5 82 ES               2245.     2772.        5.
S5 R5 164 ES              2328.     2775.        5.
S5 R6 MID ES              2556.     2786.        5.
S5 R7 NE COR FRAN         2174.     3214.        5.
S5 R8 NW COR FRAN         1959.     3226.        5.
S5 R8 NE COR MUL          2152.     2825.        5.
S5 R8 NW COR MUL          2002.     2830.        5.
S5 R9  MID WS             1592.     2741.        5.
S5 R10 164 WS             1837.     2752.        5.
S5 R11 82 WS              1909.     2754.        5.
S5 R12 SW COR             2011.     2750.        5.
S5 R13 82 SW              2025.     2662.        5.
S5 R14 164 SW             2032.     2580.        5.
S5 R15 SW COR SARAT       2038.     2437.        5.
S5 R16 NE COR SARAT       2177.     2531.        5.
S5 R17 NW COR SARAT       2026.     2518.        5.
Site 5-6 NB 2035 AM                      92  1   0
  1
NB        MLK AP    AG  2135.   161.  2042.   443.   3050. 7.9  0. 56.   35.
  1
NB        MLK AP    AG  2042.   443.  2012.   664.   3050. 7.9  0. 56.   35.
  1
NB        MLK AP    AG  2012.   664.  2028.   856.   3050. 7.9  0. 56.   35.
  1
NB        MLK TR    AG  2028.   856.  2109.  1174.   2885. 7.9  0. 68.   35.
  2
NB        MLK TRQ   AG  2095.  1119.  2046.   925.      0. 48.   4
       150        70       3.0 2885   42.1 1570 1 3
  1
NB        MLK L     AG  2028.   856.  2017.   903.    165. 7.9  0. 32.   35.
  1
NB        MLK L     AG  2017.   903.  2089.  1173.    165. 7.9  0. 32.   35.
  2
NB        MLK LQ    AG  2074.  1117.  2025.   932.      0. 12.   1
       150        55       3.0  165   42.1 1486 1 3
  1
NB        MLK D FAY AG  2109.  1174.  2145.  1344.   2515. 7.9  0. 56.   35.
  1
NB        MLK LTA FAAG  2145.  1344.  2173.  1566.   2515. 7.9  0. 68.   35.
  2
NB        MLK LTQ FAAG  2165.  1509.  2150.  1384.      0. 48.   4
       150        45       3.0 2515   42.1 1253 1 3
  1
NB        MLK D FAY AG  2173.  1566.  2188.  1656.   2665. 7.9  0. 56.   35.
  1
NB        MLK A SAR AG  2188.  1656.  2193.  1941.   2355. 7.9  0. 56.   35.
  1
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NB        MLK A SAR AG  2193.  1941.  2157.  2311.   2355. 7.9  0. 56.   35.
  1
NB        MLK TR SARAG  2157.  2311.  2139.  2484.   2275. 7.9  0. 56.   35.
  2
NB        MLK TRQ SAAG  2146.  2425.  2156.  2329.      0. 36.   3
       150        65       3.0 2275   42.1 1800 1 3
  1
NB        MLK L SAR AG  2157.  2311.  2131.  2365.     80. 7.9  0. 32.   35.
  1
NB        MLK L SAR AG  2131.  2365.  2119.  2484.     80. 7.9  0. 32.   35.
  2
NB        MLK LQ SARAG  2125.  2427.  2130.  2380.      0. 12.   1
       150        53       3.0   80   42.1   86 1 3
  1
NB        MLK A MUL AG  2139.  2484.  2117.  2791.   2150. 7.9  0. 56.   35.
  2
NB        MLK TRQ MUAG  2120.  2746.  2132.  2589.      0. 36.   3
       150        67       3.0 2150   42.1 1800 1 3
  1
NB        MLK A FRA AG  2117.  2791.  2116.  2956.   2590. 7.9  0. 56.   35.
  1
NB        MLK T A FRAG  2116.  2956.  2131.  3176.   2430. 7.9  0. 56.   35.
  2
NB        MLK TQ FRAAG  2128.  3130.  2123.  3053.      0. 36.   3
       150        55       3.0 2430   42.1 1800 1 3
  1
NB        MLK L A FRAG  2116.  2956.  2096.  3008.    160. 7.9  0. 32.   35.
  1
NB        MLK L QFRAAG  2096.  3008.  2105.  3170.    160. 7.9  0. 32.   35.
  2
NB        MLK LQ FRAAG  2103.  3132.  2097.  3039.      0. 12.   1
       150       120       3.0  160   42.1 1486 1 3
  1
NB        MLK D FRA AG  2131.  3176.  2153.  3319.   2435. 7.9  0. 56.   35.
  1
NB        MLK D FRA AG  2153.  3319.  2184.  3423.   2435. 7.9  0. 56.   35.
  1
NB        MLK D FRA AG  2184.  3423.  2254.  3560.   2435. 7.9  0. 56.   35.
  1
NB        MLK D FRA AG  2254.  3560.  2396.  3748.   2435. 7.9  0. 56.   35.
  1
SB        MLKTRAFRA AG  2341.  3759.  2244.  3658.   3295. 7.9  0. 56.   35.
  1
SB        MLKTAFRA  AG  2244.  3658.  2132.  3493.   2995. 7.9  0. 56.   35.
  1
SB        MLKTAFRA  AG  2132.  3493.  2064.  3332.   2995. 7.9  0. 56.   35.
  1
SB        MLKTAFRA  AG  2064.  3332.  2024.  3162.   2995. 7.9  0. 56.   35.
  2
SB        MLKTQFRA  AG  2034.  3206.  2056.  3297.      0. 36.   3
       150        74       3.0 2995   42.1 1700 1 3
  1
SB        MLKRFRA   AG  2244.  3658.  2135.  3562.    300. 7.9  0. 44.   35.
  1
SB        MLKRAFRA  AG  2135.  3562.  2040.  3397.    300. 7.9  0. 44.   35.
  1
SB        MLKRAFRA  AG  2040.  3397.  1976.  3186.    300. 7.9  0. 44.   35.
  2
SB        MLKRQFRA  AG  1985.  3217.  2013.  3310.      0. 24.   2
       150        74       3.0  300   42.1 1148 1 3
  1
SB        MLKDFRA   AG  2024.  3162.  2029.  3027.   3290. 7.9  0. 56.   35.
  1
SB        MLKTRMUL  AG  2029.  3027.  2042.  2797.   3225. 7.9  0. 56.   35.
  2
SB        MLKTRMUL  AG  2040.  2832.  2034.  2933.      0. 36.   3
       150        49       3.0 3225   42.1 1600 1 3
  1
SB        MLKLMUL   AG  2029.  3027.  2054.  2949.     65. 7.9  0. 32.   35.
  1
SB        MLKLMUL   AG  2054.  2949.  2064.  2802.     65. 7.9  0. 32.   35.
  2
SB        MLK LQ MULAG  2061.  2844.  2055.  2939.      0. 12.   1
       150        51       3.0   65   42.1   82 1 3
  1
SB        MLKASAR   AG  2042.  2797.  2055.  2668.   3385. 7.9  0. 56.   35.
  1
SB        MLKTRSAR  AG  2055.  2668.  2072.  2477.   3120. 7.9  0. 56.   35.
  2
SB        MLKTRSA   AG  2067.  2534.  2057.  2649.      0. 36.   3
       150        58       3.0 3120   42.1 1513 1 3
```

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  1
SB        MLKLASAR  AG  2055.  2668.  2080.  2629.    265. 7.9  0. 32.   35.
  1
SB        MLK LA SARAG  2080.  2629.  2095.  2483.    265. 7.9  0. 32.   35.
  2
SB        MLKLQSA   AG  2090.  2532.  2081.  2619.      0. 12.   1
       150        42       3.0  265   42.1   81 1 3
  1
SB        MLK A FAY AG  2072.  2477.  2125.  1886.   3255. 7.9  0. 56.   35.
  1
SB        MLKAFAY   AG  2125.  1886.  2117.  1558.   3255. 7.9  0. 56.   35.
  2
SB        MLKFAY    AG  2118.  1601.  2121.  1732.      0. 36.   3
       150        45       3.0 3255   42.1 1416 1 3
  1
SB        MLKABAL   AG  2117.  1558.  2089.  1397.   3440. 7.9  0. 56.   35.
  1
SB        MLKTRBAL  AG  2089.  1397.  2030.  1159.   3185. 7.9  0. 56.   35.
  2
SB        MLKTRQBA  AG  2045.  1220.  2071.  1325.      0. 36.   3
       150        70       3.0 3185   42.1 1625 1 3
  1
SB        MLKLBAL   AG  2089.  1397.  2096.  1330.    255. 7.9  0. 32.   35.
  1
SB        MLKLBAL   AG  2096.  1330.  2052.  1157.    255. 7.9  0. 32.   35.
  2
SB        MLKLBAL   AG  2068.  1221.  2094.  1321.      0. 12.   1
       150        55       3.0  255   42.1   83 1 3
  1
SB        MLK D BAL AG  2030.  1159.  1956.   881.   3205. 7.9  0. 56.   35.
  1
SB        MLK D BAL AG  1956.   881.  1942.   661.   3205. 7.9  0. 56.   35.
  1
SB        MLK D BAL AG  1942.   661.  1970.   406.   3205. 7.9  0. 56.   35.
  1
SB        MLK D BAL AG  1970.   406.  2079.   127.   3205. 7.9  0. 56.   35.
  1
EB        BALT      AG  1066.  1093.  2024.  1153.     445 7.8  0. 44.   30.
  2
EB        BALT      AG  1968.  1149.  1831.  1141.      0. 24.   2
       150       100       3.0  445   42.1 1398 1 3
  1
EB        BALT D    AG  2030.  1159.  3081.  1213.    670. 7.8  0. 44.   30.
  1
WB        BALT      AG  2000.  1170.  1055.  1113.    290. 7.8  0. 32.   30.
  1
WB        FAY       AG  2969.  1609.  2152.  1562.    770. 7.8  0. 68.   30.
  2
WB        FAY       AG  2225.  1566.  2468.  1580.      0. 48.   4
       150       105       3.0  770   42.1 1274 1 3
  1
WB        FAY       AG  2152.  1562.  1122.  1513.    415. 7.8  0. 68.   30.
  1
EB        SAR       AG  1281.  2430.  2095.  2471.    345. 7.8  0. 32.   30.
  2
EB        FAY       AG  2022.  2467.  1857.  2459.      0. 12.   1
       150       110       3.0  345   42.1  641 1 3
  1
EB        SAR D     AG  2095.  2471.  3028.  2519.    675. 7.8  0. 44.   30.
  1
WB        SAR       AG  3038.  2535.  2143.  2498.    190. 7.8  0. 44.   30.
  2
WB        SAR       AG  2183.  2500.  2479.  2512.      0. 24.   2
       150        80       3.0  190   42.1  947 1 3
  1
WB        SAR D     AG  2143.  2498.  1273.  2442.    225. 7.8  0. 32.   30.
  1
EB        MUL       AG  1074.  2750.  1751.  2780.   2265. 7.8  0. 44.   30.
  1
EB        MUL       AG  1751.  2780.  2089.  2793.   2265. 7.8  0. 68.   30.
  2
EB        MUL       AG  1989.  2789.  1849.  2784.      0. 48.   4
       150       100       3.0 2265   42.1 1364 1 3
  1
EB        MUL       AG  2089.  2793.  3078.  2844.   1910. 7.8  0. 44.   30.
  1
EB        US40      BR  1075.  2846.  2358.  2897.   2145. 7.9 15. 56.   35.
  1
EB        US40      BR  2358.  2897.  2794.  2848.   2145. 7.9 15. 56.   35.
  1
EB        US40      AG  2794.  2848.  3075.  2858.   2145. 7.9  0. 56.   35.
```

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  1
WB        US40      AG  2979.  3201.  2659.  3162.   1615. 7.9  0. 56.   35.
  1
WB        US40      BR  2659.  3162.  2329.  3087.   1615. 7.9  15  68   35.
  1
WB        US40      BR  2329.  3087.  1320.  3038.   1615. 7.9  15  68   35.
  1
WB        US40      BR  1320.  3038.  1073.  3002.   1615. 7.9  15  68   35.
  1
WB        FRANK     AG  2987.  3218.  2139.  3169.    705. 7.8  0. 56.   30.
  2
WB        FRANK     AG  2183.  3171.  2404.  3184.      0. 36.   3
       150       106       3.0  705   42.1 1391 1 3
  1
WB        FRANK     AG  2139.  3169.  1105.  3123.   1900. 7.9  0. 56.   30.
1.0   04  1000   0Y  5  0 72
```

```
Site 5-6 MLK & Mulberry/Balt NB 2035 PM 60.0321.0.0000.000490.30480000    1    1
S6 R1 SE MID              2067.      801.        5.
S6 R2 SE COR RED          2092.      968.        5.
S6 R3 82 SE               2112.     1043.        5.
S6 R4 SE COR              2139.     1143.        5.
S6 R5 82 ES               2237.     1146.        5.
S6 R6 164 ES              2320.     1149.        5.
S6 R7 MID ES              2537.     1157.        5.
S6 R8 MID EN              2537.     1229.        5.
S6 R9 164 EN              2326.     1213.        5.
S6 R10 82 EN              2236.     1208.        5.
S6 R11 NE COR             2145.     1207.        5.
S6 R12 82 NE              2164.     1292.        5.
S6 R13 164 NE             2179.     1375.        5.
S6 R14 SE COR FAY         2210.     1529.        5.
S6 R15 NE COR FAY         2220.     1608.        5.
S6 R16 NW COR FAY         2073.     1601.        5.
S6 R17 164 NW             2054.     1380.        5.
S6 R18 82 NW              2037.     1298.        5.
S6 R19 NW COR             2002.     1197.        5.
S6 R20 82 WN              1909.     1187.        5.
S6 R21 164 WN             1828.     1179.        5.
S6 R22 MID WN             1592.     1167.        5.
S6 R23 MID WS             1585.     1108.        5.
S6 R24 164 WS             1789.     1120.        5.
S6 R25 82 WS              1873.     1126.        5.
S6 R26 SW COR             1972.     1122.        5.
S6 R27 82 SW              1958.     1026.        5.
S6 R28 164 SW             1939.      947.        5.
S6 R29 MID SW             1911.      798.        5.
S5 R1 SE COR SARAT        2183.     2444.        5.
S5 R2 164 SE              2159.     2584.        5.
S5 R3 82 SE               2153.     2664.        5.
S5 R4 SE COR              2154.     2762.        5.
S5 R5 82 ES               2245.     2772.        5.
S5 R5 164 ES              2328.     2775.        5.
S5 R6 MID ES              2556.     2786.        5.
S5 R7 NE COR FRAN         2174.     3214.        5.
S5 R8 NW COR FRAN         1959.     3226.        5.
S5 R8 NE COR MUL          2152.     2825.        5.
S5 R8 NW COR MUL          2002.     2830.        5.
S5 R9  MID WS             1592.     2741.        5.
S5 R10 164 WS             1837.     2752.        5.
S5 R11 82 WS              1909.     2754.        5.
S5 R12 SW COR             2011.     2750.        5.
S5 R13 82 SW              2025.     2662.        5.
S5 R14 164 SW             2032.     2580.        5.
S5 R15 SW COR SARAT       2038.     2437.        5.
S5 R16 NE COR SARAT       2177.     2531.        5.
S5 R17 NW COR SARAT       2026.     2518.        5.
Site 5-6 NB 2035 PM                      92  1   0
  1
NB        MLK AP    AG  2135.   161.  2042.   443.   3385. 7.8  0. 56.   35.
  1
NB        MLK AP    AG  2042.   443.  2012.   664.   3385. 7.8  0. 56.   35.
  1
NB        MLK AP    AG  2012.   664.  2028.   856.   3385. 7.8  0. 56.   35.
  1
NB        MLK TR    AG  2028.   856.  2109.  1174.   3265. 7.8  0. 68.   35.
  2
NB        MLK TRQ   AG  2095.  1119.  2046.   925.      0. 48.   4
       150        70       3.0 3265   42.1 1492 1 3
  1
NB        MLK L     AG  2028.   856.  2017.   903.    120. 7.8  0. 32.   35.
  1
NB        MLK L     AG  2017.   903.  2089.  1173.    120. 7.8  0. 32.   35.
  2
NB        MLK LQ    AG  2074.  1117.  2025.   932.      0. 12.   1
       150        55       3.0  120   42.1   85 1 3
  1
NB        MLK D FAY AG  2109.  1174.  2145.  1344.   3145. 7.8  0. 56.   35.
  1
NB        MLK LTA FAAG  2145.  1344.  2173.  1566.   3145. 7.8  0. 68.   35.
  2
NB        MLK LTQ FAAG  2165.  1509.  2150.  1384.      0. 48.   4
       150        50       3.0 3145   42.1 1584 1 3
  1
NB        MLK D FAY AG  2173.  1566.  2188.  1656.   3485. 7.8  0. 56.   35.
  1
NB        MLK A SAR AG  2188.  1656.  2193.  1941.   3300. 7.8  0. 56.   35.
  1
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NB        MLK A SAR AG  2193.  1941.  2157.  2311.   3300. 7.8  0. 56.   35.
  1
NB        MLK TR SARAG  2157.  2311.  2139.  2484.   3220. 7.8  0. 56.   35.
  2
NB        MLK TRQ SAAG  2146.  2425.  2156.  2329.      0. 36.   3
       150        62       3.0 3220   42.1 1589 1 3
  1
NB        MLK L SAR AG  2157.  2311.  2131.  2365.     80. 7.8  0. 32.   35.
  1
NB        MLK L SAR AG  2131.  2365.  2119.  2484.     80. 7.8  0. 32.   35.
  2
NB        MLK LQ SARAG  2125.  2427.  2130.  2380.      0. 12.   1
       150        51       3.0   80   42.1   86 1 3
  1
NB        MLK A MUL AG  2139.  2484.  2117.  2791.   3210. 7.8  0. 56.   35.
  2
NB        MLK TRQ MUAG  2120.  2746.  2132.  2589.      0. 36.   3
       150        62       3.0 3210   42.1 1754 1 3
  1
NB        MLK A FRA AG  2117.  2791.  2116.  2956.   3590. 7.8  0. 56.   35.
  1
NB        MLK T A FRAG  2116.  2956.  2131.  3176.   3190. 7.8  0. 56.   35.
  2
NB        MLK TQ FRAAG  2128.  3130.  2123.  3053.      0. 36.   3
       150        60       3.0 3190   42.1 1784 1 3
  1
NB        MLK L A FRAG  2116.  2956.  2096.  3008.    400. 7.8  0. 32.   35.
  1
NB        MLK L QFRAAG  2096.  3008.  2105.  3170.    400. 7.8  0. 32.   35.
  2
NB        MLK LQ FRAAG  2103.  3132.  2097.  3039.      0. 12.   1
       150       120       3.0  400   42.1 1863 1 3
  1
NB        MLK D FRA AG  2131.  3176.  2153.  3319.   3205. 7.8  0. 56.   35.
  1
NB        MLK D FRA AG  2153.  3319.  2184.  3423.   3205. 7.8  0. 56.   35.
  1
NB        MLK D FRA AG  2184.  3423.  2254.  3560.   3205. 7.8  0. 56.   35.
  1
NB        MLK D FRA AG  2254.  3560.  2396.  3748.   3205. 7.8  0. 56.   35.
  1
SB        MLKTRAFRA AG  2341.  3759.  2244.  3658.   2410. 7.8  0. 56.   35.
  1
SB        MLKTAFRA  AG  2244.  3658.  2132.  3493.   1925. 7.8  0. 56.   35.
  1
SB        MLKTAFRA  AG  2132.  3493.  2064.  3332.   1925. 7.8  0. 56.   35.
  1
SB        MLKTAFRA  AG  2064.  3332.  2024.  3162.   1925. 7.8  0. 56.   35.
  2
SB        MLKTQFRA  AG  2034.  3206.  2056.  3297.      0. 36.   3
       150        90       3.0 1925   42.1 1582 1 3
  1
SB        MLKRFRA   AG  2244.  3658.  2135.  3562.    485. 7.8  0. 44.   35.
  1
SB        MLKRAFRA  AG  2135.  3562.  2040.  3397.    485. 7.8  0. 44.   35.
  1
SB        MLKRAFRA  AG  2040.  3397.  1976.  3186.    485. 7.8  0. 44.   35.
  2
SB        MLKRQFRA  AG  1985.  3217.  2013.  3310.      0. 24.   2
       150        90       3.0  485   42.1 1270 1 3
  1
SB        MLKDFRA   AG  2024.  3162.  2029.  3027.   2260. 7.8  0. 56.   35.
  1
SB        MLKTRMUL  AG  2029.  3027.  2042.  2797.   2190. 7.8  0. 56.   35.
  2
SB        MLKTRMUL  AG  2040.  2832.  2034.  2933.      0. 36.   3
       150        45       3.0 2190   42.1 1695 1 3
  1
SB        MLKLMUL   AG  2029.  3027.  2054.  2949.     70. 7.8  0. 32.   35.
  1
SB        MLKLMUL   AG  2054.  2949.  2064.  2802.     70. 7.8  0. 32.   35.
  2
SB        MLK LQ MULAG  2061.  2844.  2055.  2939.      0. 12.   1
       150        35       3.0   70   42.1   86 1 3
  1
SB        MLKASAR   AG  2042.  2797.  2055.  2668.   2175. 7.8  0. 56.   35.
  1
SB        MLKTRSAR  AG  2055.  2668.  2072.  2477.   2130. 7.8  0. 56.   35.
  2
SB        MLKTRSA   AG  2067.  2534.  2057.  2649.      0. 36.   3
       150        62       3.0 2130   42.1 1495 1 3
```

```
  1
SB        MLKLASAR  AG  2055.  2668.  2080.  2629.     45. 7.8  0. 32.   35.
  1
SB        MLK LA SARAG  2080.  2629.  2095.  2483.     45. 7.8  0. 32.   35.
  2
SB        MLKLQSA   AG  2090.  2532.  2081.  2619.      0. 12.   1
       150        51       3.0   45   42.1   81 1 3
  1
SB        MLK A FAY AG  2072.  2477.  2125.  1886.   2425. 7.8  0. 56.   35.
  1
SB        MLKAFAY   AG  2125.  1886.  2117.  1558.   2425. 7.8  0. 56.   35.
  2
SB        MLKFAY    AG  2118.  1601.  2121.  1732.      0. 36.   3
       150        50       3.0 2425   42.1 1417 1 3
  1
SB        MLKABAL   AG  2117.  1558.  2089.  1397.   3000. 7.8  0. 56.   35.
  1
SB        MLKTRBAL  AG  2089.  1397.  2030.  1159.   2855. 7.8  0. 56.   35.
  2
SB        MLKTRQBA  AG  2045.  1220.  2071.  1325.      0. 36.   3
       150        70       3.0 2855   42.1 1369 1 3
  1
SB        MLKLBAL   AG  2089.  1397.  2096.  1330.    145. 7.8  0. 32.   35.
  1
SB        MLKLBAL   AG  2096.  1330.  2052.  1157.    145. 7.8  0. 32.   35.
  2
SB        MLKLBAL   AG  2068.  1221.  2094.  1321.      0. 12.   1
       150        55       3.0  145   42.1   81 1 3
  1
SB        MLK D BAL AG  2030.  1159.  1956.   881.   3000. 7.8  0. 56.   35.
  1
SB        MLK D BAL AG  1956.   881.  1942.   661.   3000. 7.8  0. 56.   35.
  1
SB        MLK D BAL AG  1942.   661.  1970.   406.   3000. 7.8  0. 56.   35.
  1
SB        MLK D BAL AG  1970.   406.  2079.   127.   3000. 7.8  0. 56.   35.
  1
EB        BALT      AG  1066.  1093.  2024.  1153.     755 7.9  0. 44.   30.
  2
EB        BALT      AG  1968.  1149.  1831.  1141.      0. 24.   2
       150       100       3.0  755   42.1 1358 1 3
  1
EB        BALT D    AG  2030.  1159.  3081.  1213.    795. 7.9  0. 44.   30.
  1
WB        BALT      AG  2000.  1170.  1055.  1113.    200. 7.9  0. 32.   30.
  1
WB        FAY       AG  2969.  1609.  2152.  1562.   1570. 7.9  0. 68.   30.
  2
WB        FAY       AG  2225.  1566.  2468.  1580.      0. 48.   4
       150       100       3.0 1570   42.1 1283 1 3
  1
WB        FAY       AG  2152.  1562.  1122.  1513.    640. 7.9  0. 68.   30.
  1
EB        SAR       AG  1281.  2430.  2095.  2471.    125. 7.9  0. 32.   30.
  2
EB        SAR       AG  2022.  2467.  1857.  2459.      0. 12.   1
       150       105       3.0  125   42.1  242 1 3
  1
EB        SAR D     AG  2095.  2471.  3028.  2519.    230. 7.9  0. 44.   30.
  1
WB        SAR       AG  3038.  2535.  2143.  2498.    525. 7.9  0. 44.   30.
  2
WB        SAR       AG  2183.  2500.  2479.  2512.      0. 24.   2
       150       105       3.0  525   42.1 1042 1 3
  1
WB        SAR D     AG  2143.  2498.  1273.  2442.    310. 7.9  0. 32.   30.
  1
EB        MUL       AG  1074.  2750.  1751.  2780.   1600. 7.9  0. 44.   30.
  1
EB        MUL       AG  1751.  2780.  2089.  2793.   1600. 7.9  0. 68.   30.
  2
EB        MUL       AG  1989.  2789.  1849.  2784.      0. 48.   4
       150       105       3.0 1600   42.1 1517 1 3
  1
EB        MUL       AG  2089.  2793.  3078.  2844.   1385. 7.9  0. 44.   30.
  1
EB        US40      BR  1075.  2846.  2358.  2897.   1760. 7.8 15. 56.   35.
  1
EB        US40      BR  2358.  2897.  2794.  2848.   1760. 7.8 15. 56.   35.
  1
EB        US40      AG  2794.  2848.  3075.  2858.   1760. 7.8  0. 56.   35.
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  1
WB        US40      AG  2979.  3201.  2659.  3162.   2135. 7.8  0. 56.   35.
  1
WB        US40      BR  2659.  3162.  2329.  3087.   2135. 7.8  15  68   35.
  1
WB        US40      BR  2329.  3087.  1320.  3038.   2135. 7.8  15  68   35.
  1
WB        US40      BR  1320.  3038.  1073.  3002.   2135. 7.8  15  68   35.
  1
WB        FRANK     AG  2987.  3218.  2139.  3169.   1395. 7.9  0. 56.   30.
  2
WB        FRANK     AG  2183.  3171.  2404.  3184.      0. 36.   3
       150        90       3.0 1395   42.1 1556 1 3
  1
WB        FRANK     AG  2139.  3169.  1105.  3123.   1930. 7.9  0. 56.   30.
1.0   04  1000   0Y  5  0 72
```

JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 PM RUN: Site 5-6 NB 2035 PM
DATE: 09/10/2012 TIME: 13:00:51.33

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	MLK AP	*	2135.0	161.0	2042.0	443.0	*	297.	342.	AG	3385.	7.8	.0	56.0		
2. NB	MLK AP	*	2042.0	443.0	2012.0	664.0	*	223.	352.	AG	3385.	7.8	.0	56.0		
3. NB	MLK AP	*	2012.0	664.0	2028.0	856.0	*	193.	5.	AG	3385.	7.8	.0	56.0		
4. NB	MLK TR	*	2028.0	856.0	2109.0	1174.0	*	328.	14.	AG	3265.	7.8	.0	68.0		
5. NB	MLK TRQ	*	2095.0	1119.0	1814.3	7.5	*	1146.	194.	AG	211.	100.0	.0	48.0	1.09	58.2
6. NB	MLK L	*	2028.0	856.0	2017.0	903.0	*	48.	347.	AG	120.	7.8	.0	32.0		
7. NB	MLK L	*	2017.0	903.0	2089.0	1173.0	*	279.	15.	AG	120.	7.8	.0	32.0		
8. NB	MLK LQ	*	2074.0	1117.0	1867.0	335.6	*	808.	195.	AG	41.	100.0	.0	12.0	2.40	41.1
9. NB	MLK D FAY	*	2109.0	1174.0	2145.0	1344.0	*	174.	12.	AG	3145.	7.8	.0	56.0		
10. NB	MLK LTA FA	*	2145.0	1344.0	2173.0	1566.0	*	224.	7.	AG	3145.	7.8	.0	68.0		
11. NB	MLK LTQ FA	*	2165.0	1509.0	2139.4	1295.6	*	215.	187.	AG	151.	100.0	.0	48.0	.78	10.9
12. NB	MLK D FAY	*	2173.0	1566.0	2188.0	1656.0	*	91.	9.	AG	3485.	7.8	.0	56.0		
13. NB	MLK A SAR	*	2188.0	1656.0	2193.0	1941.0	*	285.	1.	AG	3300.	7.8	.0	56.0		
14. NB	MLK A SAR	*	2193.0	1941.0	2157.0	2311.0	*	372.	354.	AG	3300.	7.8	.0	56.0		
15. NB	MLK TR SAR	*	2157.0	2311.0	2139.0	2484.0	*	174.	354.	AG	3220.	7.8	.0	56.0		
16. NB	MLK TRQ SA	*	2146.0	2425.0	2399.7	-10.9	*	2449.	174.	AG	140.	100.0	.0	36.0	1.22	124.4
17. NB	MLK L SAR	*	2157.0	2311.0	2131.0	2365.0	*	60.	334.	AG	80.	7.8	.0	32.0		
18. NB	MLK L SAR	*	2131.0	2365.0	2119.0	2484.0	*	120.	354.	AG	80.	7.8	.0	32.0		
19. NB	MLK LQ SAR	*	2125.0	2427.0	2161.2	2086.9	*	342.	174.	AG	38.	100.0	.0	12.0	1.51	17.4
20. NB	MLK A MUL	*	2139.0	2484.0	2117.0	2791.0	*	308.	356.	AG	3210.	7.8	.0	56.0		
21. NB	MLK TRQ MU	*	2120.0	2746.0	2235.4	1236.6	*	1514.	176.	AG	140.	100.0	.0	36.0	1.10	76.9
22. NB	MLK A FRA	*	2117.0	2791.0	2116.0	2956.0	*	165.	360.	AG	3590.	7.8	.0	56.0		
23. NB	MLK T A FR	*	2116.0	2956.0	2131.0	3176.0	*	221.	4.	AG	3190.	7.8	.0	56.0		
24. NB	MLK TQ FRA	*	2128.0	3130.0	2061.1	2099.3	*	1033.	184.	AG	136.	100.0	.0	36.0	1.05	52.5
25. NB	MLK L A FR	*	2116.0	2956.0	2096.0	3008.0	*	56.	339.	AG	400.	7.8	.0	32.0		
26. NB	MLK L QFRA	*	2096.0	3008.0	2105.0	3170.0	*	162.	3.	AG	400.	7.8	.0	32.0		
27. NB	MLK LQ FRA	*	2103.0	3132.0	2022.0	1876.1	*	1258.	184.	AG	90.	100.0	.0	12.0	1.29	63.9
28. NB	MLK D FRA	*	2131.0	3176.0	2153.0	3319.0	*	145.	9.	AG	3205.	7.8	.0	56.0		
29. NB	MLK D FRA	*	2153.0	3319.0	2184.0	3423.0	*	109.	17.	AG	3205.	7.8	.0	56.0		
30. NB	MLK D FRA	*	2184.0	3423.0	2254.0	3560.0	*	154.	27.	AG	3205.	7.8	.0	56.0		
31. NB	MLK D FRA	*	2254.0	3560.0	2396.0	3748.0	*	236.	37.	AG	3205.	7.8	.0	56.0		
32. SB	MLKTRAFRA	*	2341.0	3759.0	2244.0	3658.0	*	140.	224.	AG	2410.	7.8	.0	56.0		
33. SB	MLKTAFRA	*	2244.0	3658.0	2132.0	3493.0	*	199.	214.	AG	1925.	7.8	.0	56.0		
34. SB	MLKTAFRA	*	2132.0	3493.0	2064.0	3332.0	*	175.	203.	AG	1925.	7.8	.0	56.0		
35. SB	MLKTAFRA	*	2064.0	3332.0	2024.0	3162.0	*	175.	193.	AG	1925.	7.8	.0	56.0		
36. SB	MLKTQFRA	*	2034.0	3206.0	2279.5	4221.6	*	1045.	14.	AG	203.	100.0	.0	36.0	1.11	53.1
37. SB	MLKRFRA	*	2244.0	3658.0	2135.0	3562.0	*	145.	229.	AG	485.	7.8	.0	44.0		
38. SB	MLKRAFRA	*	2135.0	3562.0	2040.0	3397.0	*	190.	210.	AG	485.	7.8	.0	44.0		
39. SB	MLKRAFRA	*	2040.0	3397.0	1976.0	3186.0	*	220.	197.	AG	485.	7.8	.0	44.0		
40. SB	MLKRQFRA	*	1985.0	3217.0	2019.3	3331.0	*	119.	17.	AG	136.	100.0	.0	24.0	.52	6.1
41. SB	MLKDFRA	*	2024.0	3162.0	2029.0	3027.0	*	135.	178.	AG	2260.	7.8	.0	56.0		
42. SB	MLKTRMUL	*	2029.0	3027.0	2042.0	2797.0	*	230.	177.	AG	2190.	7.8	.0	56.0		
43. SB	MLKTRMUL	*	2040.0	2832.0	2029.3	3011.3	*	180.	357.	AG	102.	100.0	.0	36.0	.65	9.1
44. SB	MLKLMUL	*	2029.0	3027.0	2054.0	2949.0	*	82.	162.	AG	70.	7.8	.0	32.0		

JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 PM RUN: Site 5-6 NB 2035 PM
DATE: 09/10/2012 TIME: 13:00:51.33

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	MLKLMUL	*	2054.0	2949.0	2064.0	2802.0	*	147.	176.	AG	70.	7.8	.0	32.0		
46. SB	MLK LQ MUL	*	2061.0	2844.0	2053.1	2969.3	*	126.	356.	AG	26.	100.0	.0	12.0	1.11	6.4
47. SB	MLKASAR	*	2042.0	2797.0	2055.0	2668.0	*	130.	174.	AG	2175.	7.8	.0	56.0		
48. SB	MLKTRSAR	*	2055.0	2668.0	2072.0	2477.0	*	192.	175.	AG	2130.	7.8	.0	56.0		
49. SB	MLKTRSA	*	2067.0	2534.0	2045.2	2784.5	*	251.	355.	AG	140.	100.0	.0	36.0	.86	12.8
50. SB	MLKLASAR	*	2055.0	2668.0	2080.0	2629.0	*	46.	147.	AG	45.	7.8	.0	32.0		
51. SB	MLK LA SAR	*	2080.0	2629.0	2095.0	2483.0	*	147.	174.	AG	45.	7.8	.0	32.0		
52. SB	MLKLQSA	*	2090.0	2532.0	2086.8	2563.3	*	31.	354.	AG	38.	100.0	.0	12.0	.90	1.6
53. SB	MLK A FAY	*	2072.0	2477.0	2125.0	1886.0	*	593.	175.	AG	2425.	7.8	.0	56.0		
54. SB	MLKAFAY	*	2125.0	1886.0	2117.0	1558.0	*	328.	181.	AG	2425.	7.8	.0	56.0		
55. SB	MLKFAY	*	2118.0	1601.0	2123.8	1852.2	*	251.	1.	AG	113.	100.0	.0	36.0	.90	12.8
56. SB	MLKABAL	*	2117.0	1558.0	2089.0	1397.0	*	163.	190.	AG	3000.	7.8	.0	56.0		
57. SB	MLKTRBAL	*	2089.0	1397.0	2030.0	1159.0	*	245.	194.	AG	2855.	7.8	.0	56.0		
58. SB	MLKTRQBA	*	2045.0	1220.0	2806.6	4295.8	*	3169.	14.	AG	158.	100.0	.0	36.0	1.39	161.0
59. SB	MLKLBAL	*	2089.0	1397.0	2096.0	1330.0	*	67.	174.	AG	145.	7.8	.0	32.0		
60. SB	MLKLBAL	*	2096.0	1330.0	2052.0	1157.0	*	179.	194.	AG	145.	7.8	.0	32.0		
61. SB	MLKLBAL	*	2068.0	1221.0	2345.1	2286.6	*	1101.	15.	AG	41.	100.0	.0	12.0	3.02	55.9
62. SB	MLK D BAL	*	2030.0	1159.0	1956.0	881.0	*	288.	195.	AG	3000.	7.8	.0	56.0		
63. SB	MLK D BAL	*	1956.0	881.0	1942.0	661.0	*	220.	184.	AG	3000.	7.8	.0	56.0		
64. SB	MLK D BAL	*	1942.0	661.0	1970.0	406.0	*	257.	174.	AG	3000.	7.8	.0	56.0		
65. SB	MLK D BAL	*	1970.0	406.0	2079.0	127.0	*	300.	159.	AG	3000.	7.8	.0	56.0		

66. EB	BALT	*	1066.0	1093.0	2024.0	1153.0	*	960.	86.	AG	755.	7.9	.0	44.0		
67. EB	BALT	*	1968.0	1149.0	1715.1	1134.2	*	253.	267.	AG	151.	100.0	.0	24.0	.93	12.9
68. EB	BALT D	*	2030.0	1159.0	3081.0	1213.0	*	1052.	87.	AG	795.	7.9	.0	44.0		
69. WB	BALT	*	2000.0	1170.0	1055.0	1113.0	*	947.	267.	AG	200.	7.9	.0	32.0		
70. WB	FAY	*	2969.0	1609.0	2152.0	1562.0	*	818.	267.	AG	1570.	7.9	.0	68.0		
71. WB	FAY	*	2225.0	1566.0	2614.6	1588.4	*	390.	87.	AG	301.	100.0	.0	48.0	1.02	19.8
72. WB	FAY	*	2152.0	1562.0	1122.0	1513.0	*	1031.	267.	AG	640.	7.9	.0	68.0		
73. EB	SAR	*	1281.0	2430.0	2095.0	2471.0	*	815.	87.	AG	125.	7.9	.0	32.0		
74. EB	SAR	*	2022.0	2467.0	1274.3	2430.7	*	749.	267.	AG	79.	100.0	.0	12.0	1.95	38.0
75. EB	SAR D	*	2095.0	2471.0	3028.0	2519.0	*	934.	87.	AG	230.	7.9	.0	44.0		
76. WB	SAR	*	3038.0	2535.0	2143.0	2498.0	*	896.	268.	AG	525.	7.9	.0	44.0		
77. WB	SAR	*	2183.0	2500.0	2384.2	2508.2	*	201.	88.	AG	158.	100.0	.0	24.0	.95	10.2
78. WB	SAR D	*	2143.0	2498.0	1273.0	2442.0	*	872.	266.	AG	310.	7.9	.0	32.0		
79. EB	MUL	*	1074.0	2750.0	1751.0	2780.0	*	678.	87.	AG	1600.	7.9	.0	44.0		
80. EB	MUL	*	1751.0	2780.0	2089.0	2793.0	*	338.	88.	AG	1600.	7.9	.0	68.0		
81. EB	MUL	*	1989.0	2789.0	1670.6	2777.6	*	319.	268.	AG	316.	100.0	.0	48.0	.99	16.2
82. EB	MUL	*	2089.0	2793.0	3078.0	2844.0	*	990.	87.	AG	1385.	7.9	.0	44.0		
83. EB	US40	*	1075.0	2846.0	2358.0	2897.0	*	1284.	88.	BR	1760.	7.8	15.0	56.0		
84. EB	US40	*	2358.0	2897.0	2794.0	2848.0	*	439.	96.	BR	1760.	7.8	15.0	56.0		
85. EB	US40	*	2794.0	2848.0	3075.0	2858.0	*	281.	88.	AG	1760.	7.8	.0	56.0		
86. WB	US40	*	2979.0	3201.0	2659.0	3162.0	*	322.	263.	AG	2135.	7.8	.0	56.0		
87. WB	US40	*	2659.0	3162.0	2329.0	3087.0	*	338.	257.	BR	2135.	7.8	15.0	68.0		
88. WB	US40	*	2329.0	3087.0	1320.0	3038.0	*	1010.	267.	BR	2135.	7.8	15.0	68.0		
89. WB	US40	*	1320.0	3038.0	1073.0	3002.0	*	250.	262.	BR	2135.	7.8	15.0	68.0		
90. WB	FRANK	*	2987.0	3218.0	2139.0	3169.0	*	849.	267.	AG	1395.	7.9	.0	56.0		
91. WB	FRANK	*	2183.0	3171.0	2418.3	3184.8	*	236.	87.	AG	203.	100.0	.0	36.0	.82	12.0
92. WB	FRANK	*	2139.0	3169.0	1105.0	3123.0	*	1035.	267.	AG	1930.	7.9	.0	56.0		

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 PM RUN: Site 5-6 NB 2035 PM
DATE: 09/10/2012 TIME: 13:00:51.33

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. NB MLK TRQ	*	150	70	3.0	3265	1492	42.10	1	3
8. NB MLK LQ	*	150	55	3.0	120	85	42.10	1	3
11. NB MLK LTQ FA	*	150	50	3.0	3145	1584	42.10	1	3
16. NB MLK TRQ SA	*	150	62	3.0	3220	1589	42.10	1	3
19. NB MLK LQ SAR	*	150	51	3.0	80	86	42.10	1	3
21. NB MLK TRQ MU	*	150	62	3.0	3210	1754	42.10	1	3
24. NB MLK TQ FRA	*	150	60	3.0	3190	1784	42.10	1	3
27. NB MLK LQ FRA	*	150	120	3.0	400	1863	42.10	1	3
36. SB MLKTQFRA	*	150	90	3.0	1925	1582	42.10	1	3
40. SB MLKRQFRA	*	150	90	3.0	485	1270	42.10	1	3
43. SB MLKTRMUL	*	150	45	3.0	2190	1695	42.10	1	3
46. SB MLK LQ MUL	*	150	35	3.0	70	86	42.10	1	3
49. SB MLKTRSA	*	150	62	3.0	2130	1495	42.10	1	3
52. SB MLKLQSA	*	150	51	3.0	45	81	42.10	1	3
55. SB MLKFAY	*	150	50	3.0	2425	1417	42.10	1	3
58. SB MLKTRQBA	*	150	70	3.0	2855	1369	42.10	1	3
61. SB MLKLBAL	*	150	55	3.0	145	81	42.10	1	3
67. EB BALT	*	150	100	3.0	755	1358	42.10	1	3
71. WB FAY	*	150	100	3.0	1570	1283	42.10	1	3
74. EB SAR	*	150	105	3.0	125	242	42.10	1	3
77. WB SAR	*	150	105	3.0	525	1042	42.10	1	3
81. EB MUL	*	150	105	3.0	1600	1517	42.10	1	3
91. WB FRANK	*	150	90	3.0	1395	1556	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. S6 R1 SE MID	*	2067.0	801.0	5.0	*
2. S6 R2 SE COR RED	*	2092.0	968.0	5.0	*
3. S6 R3 82 SE	*	2112.0	1043.0	5.0	*
4. S6 R4 SE COR	*	2139.0	1143.0	5.0	*
5. S6 R5 82 ES	*	2237.0	1146.0	5.0	*
6. S6 R6 164 ES	*	2320.0	1149.0	5.0	*
7. S6 R7 MID ES	*	2537.0	1157.0	5.0	*
8. S6 R8 MID EN	*	2537.0	1229.0	5.0	*
9. S6 R9 164 EN	*	2326.0	1213.0	5.0	*
10. S6 R10 82 EN	*	2236.0	1208.0	5.0	*
11. S6 R11 NE COR	*	2145.0	1207.0	5.0	*
12. S6 R12 82 NE	*	2164.0	1292.0	5.0	*
13. S6 R13 164 NE	*	2179.0	1375.0	5.0	*
14. S6 R14 SE COR FAY	*	2210.0	1529.0	5.0	*
15. S6 R15 NE COR FAY	*	2220.0	1608.0	5.0	*
16. S6 R16 NW COR FAY	*	2073.0	1601.0	5.0	*
17. S6 R17 164 NW	*	2054.0	1380.0	5.0	*
18. S6 R18 82 NW	*	2037.0	1298.0	5.0	*
19. S6 R19 NW COR	*	2002.0	1197.0	5.0	*
20. S6 R20 82 WN	*	1909.0	1187.0	5.0	*
21. S6 R21 164 WN	*	1828.0	1179.0	5.0	*
22. S6 R22 MID WN	*	1592.0	1167.0	5.0	*

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 PM RUN: Site 5-6 NB 2035 PM
DATE: 09/10/2012 TIME: 13:00:51.33

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
23. S6 R23 MID WS	1585.0	1108.0	5.0
24. S6 R24 164 WS	1789.0	1120.0	5.0
25. S6 R25 82 WS	1873.0	1126.0	5.0
26. S6 R26 SW COR	1972.0	1122.0	5.0
27. S6 R27 82 SW	1958.0	1026.0	5.0
28. S6 R28 164 SW	1939.0	947.0	5.0
29. S6 R29 MID SW	1911.0	798.0	5.0
30. S5 R1 SE COR SARAT	2183.0	2444.0	5.0
31. S5 R2 164 SE	2159.0	2584.0	5.0
32. S5 R3 82 SE	2153.0	2664.0	5.0
33. S5 R4 SE COR	2154.0	2762.0	5.0
34. S5 R5 82 ES	2245.0	2772.0	5.0
35. S5 R5 164 ES	2328.0	2775.0	5.0
36. S5 R6 MID ES	2556.0	2786.0	5.0
37. S5 R7 NE COR FRAN	2174.0	3214.0	5.0
38. S5 R8 NW COR FRAN	1959.0	3226.0	5.0
39. S5 R8 NE COR MUL	2152.0	2825.0	5.0
40. S5 R8 NW COR MUL	2002.0	2830.0	5.0
41. S5 R9 MID WS	1592.0	2741.0	5.0
42. S5 R10 164 WS	1837.0	2752.0	5.0
43. S5 R11 82 WS	1909.0	2754.0	5.0
44. S5 R12 SW COR	2011.0	2750.0	5.0
45. S5 R13 82 SW	2025.0	2662.0	5.0
46. S5 R14 164 SW	2032.0	2580.0	5.0
47. S5 R15 SW COR SARAT	2038.0	2437.0	5.0
48. S5 R16 NE COR SARAT	2177.0	2531.0	5.0
49. S5 R17 NW COR SARAT	2026.0	2518.0	5.0

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 PM RUN: Site 5-6 NB 2035 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	1.9	3.0	2.7	2.7	2.0	.9	.5	.3	.8	2.1	2.9	3.4	3.4	3.7	3.4	1.1	1.5	1.2	.6	.0
5.	1.8	2.7	2.6	2.7	1.4	.7	.5	.3	.6	1.7	2.9	3.3	3.1	3.6	2.8	1.3	1.8	1.8	1.2	.2
10.	1.6	2.5	2.4	2.2	1.2	.6	.4	.2	.4	1.4	2.5	2.7	2.4	3.0	2.5	1.7	2.0	2.0	1.5	.5
15.	1.2	2.0	1.8	1.8	1.1	.5	.4	.2	.4	1.3	2.0	2.1	2.1	2.6	1.8	1.7	2.5	2.5	1.8	.8
20.	.8	1.4	1.6	1.4	.9	.4	.3	.2	.3	1.2	1.4	1.7	1.8	2.3	1.3	2.1	2.7	2.7	1.9	.9
25.	.5	1.2	1.1	1.2	.9	.4	.3	.1	.3	.9	1.2	1.5	1.5	2.3	1.2	2.2	2.7	3.0	2.3	.9
30.	.3	.9	.8	.9	.8	.4	.3	.1	.2	.9	1.1	1.1	1.3	2.0	.9	2.1	2.7	3.1	2.4	.9
35.	.2	.6	.7	.8	.8	.4	.3	.1	.2	.8	.9	1.1	1.2	2.0	.7	2.1	2.9	2.9	2.3	1.1
40.	.1	.5	.5	.7	.8	.4	.2	.1	.2	.7	.8	1.0	1.1	2.1	.6	1.9	2.6	2.8	2.3	1.1
45.	.1	.3	.5	.8	.8	.3	.2	.1	.2	.6	.7	1.0	1.0	2.0	.6	1.8	2.8	2.7	2.1	1.2
50.	.1	.3	.3	.8	.7	.4	.2	.0	.1	.6	.7	.9	1.0	2.1	.6	1.8	2.6	2.8	2.1	1.3
55.	.1	.3	.3	.6	.6	.3	.3	.0	.1	.5	.7	.7	1.0	2.2	.6	1.8	2.6	2.6	1.9	1.2
60.	.1	.3	.3	.4	.6	.3	.3	.0	.0	.5	.5	.7	.9	2.3	.6	1.7	2.5	2.5	1.8	1.2
65.	.1	.3	.3	.4	.6	.3	.3	.0	.0	.4	.3	.7	.9	2.3	.8	1.7	2.5	2.4	1.6	1.2
70.	.1	.3	.3	.5	.6	.3	.3	.0	.0	.4	.4	.5	.8	2.4	.7	1.8	2.5	2.3	1.3	.8
75.	.1	.2	.3	.5	.6	.3	.3	.0	.1	.5	.4	.4	.8	2.4	.9	1.8	2.3	2.3	1.4	.9
80.	.1	.1	.2	.5	.6	.3	.3	.1	.1	.5	.4	.4	.6	2.3	1.0	2.0	2.3	2.1	1.3	.8
85.	.1	.1	.1	.4	.6	.3	.2	.1	.1	.5	.3	.4	.5	2.0	1.3	2.1	2.1	2.0	1.3	.8
90.	.1	.1	.1	.4	.6	.2	.2	.1	.2	.6	.4	.4	.5	1.8	1.5	2.2	2.0	2.0	1.3	.7
95.	.1	.1	.1	.3	.5	.2	.1	.2	.2	.6	.4	.5	.5	1.5	1.8	2.3	2.0	2.1	1.2	.8
100.	.1	.1	.1	.3	.4	.1	.1	.2	.2	.6	.4	.5	.5	1.2	1.9	2.3	2.1	2.1	1.3	.9
105.	.1	.1	.1	.2	.4	.1	.1	.2	.2	.6	.4	.5	.5	1.0	2.1	2.2	2.1	2.1	1.2	1.1
110.	.1	.1	.1	.2	.4	.1	.0	.2	.2	.6	.4	.5	.6	1.0	2.1	2.1	2.1	2.0	1.3	1.1
115.	.1	.1	.1	.3	.3	.0	.0	.2	.2	.6	.4	.5	.6	.9	2.1	1.9	2.1	1.9	1.4	1.0
120.	.1	.1	.1	.2	.3	.0	.0	.2	.2	.6	.4	.5	.6	.8	1.9	1.9	2.1	1.9	1.4	1.1
125.	.1	.1	.1	.2	.4	.0	.0	.2	.2	.6	.4	.4	.7	.8	1.9	2.0	2.1	1.9	1.3	1.3
130.	.1	.1	.1	.2	.4	.0	.0	.2	.2	.6	.4	.4	.6	1.0	1.9	1.7	2.1	1.9	1.4	1.3
135.	.1	.2	.2	.2	.4	.0	.0	.2	.2	.6	.5	.5	.7	1.0	1.9	1.9	1.9	1.9	1.5	1.4
140.	.1	.2	.2	.3	.4	.0	.0	.2	.2	.6	.5	.5	.7	1.1	2.0	1.9	1.9	2.0	1.5	1.4
145.	.1	.2	.2	.3	.4	.0	.0	.2	.2	.7	.5	.4	.8	1.1	2.0	1.9	2.1	2.0	1.7	1.4
150.	.1	.2	.2	.3	.4	.0	.0	.2	.2	.7	.5	.4	.8	1.3	2.1	1.9	2.1	2.0	1.7	1.5
155.	.1	.2	.2	.3	.4	.0	.0	.2	.2	.7	.5	.4	.7	1.4	2.2	2.0	2.0	2.2	1.7	1.3
160.	.2	.2	.2	.3	.4	.1	.0	.2	.3	.7	.5	.4	.7	1.6	2.4	2.0	2.1	2.3	1.7	1.4
165.	.2	.2	.2	.2	.4	.2	.0	.2	.3	.7	.6	.4	.8	1.6	2.4	2.0	2.1	2.3	1.8	1.4
170.	.3	.3	.3	.2	.4	.2	.0	.2	.4	.6	.6	.6	.8	1.6	2.6	1.8	2.2	2.5	2.1	1.5
175.	.5	.6	.6	.4	.3	.3	.0	.2	.5	.5	.7	.6	1.2	1.8	2.9	1.7	2.2	2.2	2.3	1.3
180.	.7	.9	.9	.8	.2	.4	.0	.2	.5	.4	1.0	.8	1.1	2.0	3.0	1.5	2.3	2.4	1.8	1.1
185.	1.0	1.3	1.2	1.0	.2	.4	.1	.3	.6	.5	1.5	1.1	1.6	2.0	3.0	1.3	2.3	2.3	1.7	.9
190.	1.2	1.8	1.7	1.6	.4	.5	.1	.3	.6	.6	1.9	1.6	1.9	2.3	3.2	1.0	1.9	2.0	1.4	.6
195.	1.6	2.0	1.9	1.8	.4	.6	.1	.3	.7	.7	2.3	2.0	2.2	2.5	3.4	.7	1.4	1.5	.9	.6
200.	1.7	2.2	2.2	2.2	.6	.7	.1	.3	.8	.8	2.4	2.0	2.4	2.6	3.3	.6	1.0	1.3	.8	.5
205.	1.7	2.4	2.5	2.2	.8	.8	.1	.3	.9	1.1	2.4	2.0	2.3	2.6	3.5	.1	.8	1.0	.4	.6

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 PM RUN: Site 5-6 NB 2035 PM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.8	2.4	2.6	2.2	.9	.9	.2	.4	1.1	1.0	2.4	1.9	2.4	2.5	3.3	.1	.5	.6	.3	.6
215.	1.8	2.3	2.4	2.2	.8	1.1	.2	.4	1.0	1.1	2.1	1.8	2.2	2.5	2.9	.1	.3	.5	.4	.6
220.	1.9	2.3	2.4	2.1	.9	.9	.2	.4	1.2	1.2	1.9	1.7	2.1	2.4	2.8	.2	.3	.4	.4	.6
225.	1.8	2.2	2.2	2.0	.9	1.0	.2	.4	1.2	1.2	1.8	1.5	2.2	2.1	2.8	.2	.3	.3	.5	.6
230.	1.7	2.2	2.1	1.7	.9	1.0	.3	.5	1.1	1.0	1.8	1.6	2.3	2.2	2.6	.2	.3	.3	.6	.6
235.	1.8	2.1	2.1	1.6	.8	.9	.4	.5	1.0	.9	1.7	1.6	2.2	2.1	2.7	.2	.3	.3	.6	.6
240.	1.6	1.9	2.0	1.4	.7	.8	.3	.6	.9	.9	1.6	1.7	2.2	1.9	2.4	.2	.2	.3	.6	.6
245.	1.5	1.9	1.8	1.5	.8	.8	.4	.6	.9	.9	1.6	1.5	2.2	1.8	2.6	.2	.1	.3	.6	.6
250.	1.5	1.9	1.8	1.5	.8	.8	.5	.6	1.0	1.1	1.6	1.6	1.6	2.0	2.4	.2	.0	.3	.6	.6
255.	1.5	1.7	1.8	1.6	.8	.8	.5	.6	1.3	1.0	1.4	1.6	1.7	2.0	2.4	.2	.0	.2	.6	.5
260.	1.5	1.7	1.7	1.4	1.0	1.0	.5	.6	1.0	.8	1.5	1.4	1.7	1.9	2.2	.2	.0	.0	.5	.5
265.	1.5	1.7	1.7	1.6	1.0	1.1	.6	.5	1.0	.9	1.4	1.3	1.6	1.9	2.2	.2	.0	.0	.4	.3
270.	1.5	1.7	1.8	1.4	1.1	1.3	.7	.4	.9	1.0	1.4	1.4	1.9	2.0	2.2	.1	.0	.0	.2	.3
275.	1.5	1.8	1.9	1.4	1.0	1.2	.7	.5	.9	.6	1.4	1.5	1.8	2.1	2.3	.1	.0	.0	.2	.1
280.	1.5	1.8	2.0	1.6	1.0	.9	.6	.5	.9	.6	1.2	1.6	1.9	2.0	2.1	.1	.0	.0	.0	.0
285.	1.5	1.9	2.0	1.6	.8	1.1	.7	.7	.9	.6	1.2	1.6	2.0	1.9	2.1	.0	.1	.0	.0	.0
290.	1.5	2.0	2.0	1.6	.9	1.0	.8	.7	.9	.6	1.3	1.6	1.7	2.0	2.0	.0	.1	.0	.0	.0
295.	1.4	1.9	1.9	1.4	.9	1.0	.9	.6	1.0	.6	1.3	1.6	1.8	2.0	2.1	.0	.1	.0	.0	.0
300.	1.5	1.9	1.9	1.5	.9	1.0	.8	.6	1.0	.6	1.2	1.6	1.8	2.1	2.1	.0	.1	.0	.0	.0
305.	1.5	1.9	1.9	1.4	.9	1.3	.8	.5	1.1	.7	1.2	1.6	1.9	2.1	2.2	.0	.1	.0	.0	.0
310.	1.6	1.9	1.9	1.4	.8	1.3	.7	.6	1.1	.8	1.3	1.8	1.9	2.3	2.3	.0	.1	.1	.0	.0
315.	1.5	2.0	1.9	1.4	.8	1.3	.6	.7	1.2	1.0	1.3	1.9	1.9	2.2	2.5	.0	.1	.1	.0	.0
320.	1.7	2.0	1.7	1.4	1.1	1.3	.8	.7	1.0	.8	1.3	2.0	2.1	2.2	2.5	.0	.1	.1	.0	.0
325.	1.7	2.0	1.8	1.6	1.0	1.3	.9	.7	1.1	1.1	1.4	2.1	2.3	2.4	2.8	.0	.1	.1	.0	.0
330.	1.7	2.1	1.9	1.5	1.0	1.4	.9	.8	1.3	1.1	1.6	2.2	2.2	2.6	3.0	.0	.1	.1	.0	.0
335.	1.9	2.1	2.1	1.7	1.2	1.5	1.0	.9	1.5	1.3	1.8	2.3	2.2	3.0	3.4	.0	.1	.1	.0	.0
340.	1.8	2.2	2.1	1.9	1.4	1.7	1.0	.9	1.5	1.6	1.7	2.5	2.8	3.1	3.6	.0	.1	.1	.0	.0
345.	2.0	2.3	2.1	2.0	1.7	1.6	.7	.6	1.4	1.8	2.3	2.7	2.9	3.7	4.0	.3	.2	.1	.0	.0
350.	1.8	2.2	2.4	2.3	1.8	1.6	.5	.4	1.2	2.1	2.6	3.2	3.2	4.0	4.0	.4	.5	.3	.1	.0
355.	1.8	2.7	2.6	2.5	1.9	1.3	.5	.4	1.0	2.3	2.7	3.4	3.5	3.9	3.7	.8	.8	.6	.2	.0
360.	1.9	3.0	2.7	2.7	2.0	.9	.5	.3	.8	2.1	2.9	3.4	3.4	3.7	3.4	1.1	1.5	1.2	.6	.0
MAX	2.0	3.0	2.7	2.7	2.0	1.7	1.0	.9	1.5	2.3	2.9	3.4	3.5	4.0	4.0	2.3	2.9	3.1	2.4	1.5
DEGR.	345	0	0	0	0	340	335	335	335	355	0	0	355	350	345	95	35	30	30	150

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 PM RUN: Site 5-6 NB 2035 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	.0	.0	.2	.7	.7	.6	.5	.5	.5	1.4	1.8	1.7	1.7	.9	.9	.9	1.3	.0	1.4	1.1
5.	.0	.0	.2	.7	.8	1.1	.9	.7	.8	1.3	1.4	1.4	1.5	.9	.8	.9	1.2	.1	1.2	1.5
10.	.2	.0	.2	.8	1.0	1.6	1.6	1.0	1.1	.8	1.2	1.1	1.3	.8	.9	.9	1.0	.4	1.2	1.7
15.	.3	.0	.2	1.0	1.3	1.5	1.7	1.7	1.6	.7	.7	.9	1.0	1.0	.9	.8	.8	.5	.9	2.0
20.	.6	.1	.3	1.1	1.4	1.7	2.0	1.8	1.8	.6	.5	.8	1.0	.9	.9	.8	.4	.7	.8	2.0
25.	.6	.2	.3	1.2	1.6	2.2	1.8	1.9	2.1	.7	.6	.7	.9	.7	.9	.7	.4	.9	.7	1.9
30.	.7	.2	.4	1.3	1.6	2.0	1.9	1.9	2.0	.9	.5	.6	1.0	.8	.9	.7	.3	1.3	.8	2.2
35.	.8	.2	.4	1.5	1.7	2.0	2.0	1.9	1.9	.9	.4	.6	.8	1.0	1.0	.7	.2	1.4	.7	2.3
40.	1.0	.3	.4	1.5	2.0	1.9	2.1	2.1	1.8	.9	.5	.6	.8	1.0	1.1	.7	.1	1.6	.5	2.2
45.	1.0	.4	.5	1.7	2.1	1.9	1.8	1.9	1.9	.9	.4	.5	.8	1.0	1.2	.7	.1	1.6	.6	2.2
50.	.9	.3	.5	1.9	1.9	2.0	1.9	1.9	1.7	.9	.4	.4	.9	1.0	.9	.6	.1	1.6	.6	2.3
55.	1.0	.5	.7	1.8	1.9	1.8	1.6	1.7	1.7	.8	.4	.4	.9	.8	.9	.6	.1	1.6	.5	2.1
60.	1.0	.5	.9	1.9	1.8	1.5	1.6	1.7	1.5	.8	.4	.4	.7	.8	.8	.6	.1	1.5	.6	2.0
65.	1.0	.5	.9	1.7	1.8	1.4	1.5	1.7	1.4	.6	.3	.3	.7	.8	.9	.8	.1	1.4	.5	2.0
70.	.7	.5	.9	1.3	1.6	1.4	1.5	1.6	1.4	.6	.2	.3	.7	.8	.9	.8	.2	1.5	.5	1.9
75.	.5	.4	.8	1.5	1.4	1.3	1.6	1.5	1.4	.6	.2	.3	.6	.7	.9	.7	.3	1.4	.5	2.1
80.	.6	.4	1.0	1.4	1.4	1.5	1.6	1.5	1.4	.5	.1	.2	.6	.7	.8	.6	.4	1.5	.6	2.0
85.	.8	.5	.8	1.3	1.6	1.4	1.4	1.5	1.3	.4	.1	.2	.5	.6	.7	.5	.7	1.5	.7	2.0
90.	.9	.7	.7	1.1	1.3	1.2	1.5	1.5	1.4	.2	.1	.1	.5	.5	.6	.5	.9	1.8	.6	1.9
95.	1.0	.7	.6	1.1	1.1	1.3	1.5	1.5	1.4	.1	.2	.1	.3	.3	.4	.3	1.0	1.8	.7	2.1
100.	1.0	.8	.6	1.0	1.1	1.4	1.5	1.5	1.4	.1	.3	.1	.2	.3	.3	.1	1.1	1.8	.7	1.9
105.	1.4	.8	.4	.8	.9	1.3	1.5	1.5	1.4	.1	.3	.1	.2	.2	.3	.1	1.2	1.7	.6	1.7
110.	1.2	.8	.4	.8	.9	1.3	1.5	1.5	1.4	.1	.3	.2	.1	.2	.2	.0	1.2	1.6	.6	1.8
115.	1.2	.8	.4	.7	.9	1.3	1.5	1.4	1.4	.1	.5	.2	.1	.1	.2	.0	1.2	1.7	.6	1.7
120.	1.2	.8	.6	.7	.9	1.4	1.4	1.5	1.4	.1	.5	.3	.1	.1	.2	.0	1.4	1.8	.5	2.0
125.	1.2	.9	.5	.6	.8	1.4	1.4	1.4	1.5	.2	.5	.3	.1	.1	.2	.0	1.3	1.6	.5	1.9
130.	1.2	.8	.3	.6	.8	1.4	1.5	1.4	1.5	.2	.5	.3	.1	.1	.2	.0	1.3	1.5	.5	2.0
135.	1.3	.6	.4	.7	.8	1.4	1.5	1.6	1.5	.2	.5	.3	.1	.1	.2	.0	1.3	1.6	.5	2.1
140.	1.4	.6	.4	.6	.9	1.4	1.6	1.6	1.5	.2	.5	.3	.2	.1	.2	.0	1.2	1.7	.5	2.2
145.	1.3	.7	.4	.7	.9	1.4	1.5	1.7	1.7	.2	.5	.3	.3	.2	.2	.0	1.2	1.8	.4	2.2
150.	1.4	.6	.2	.6	.8	1.5	1.6	1.7	1.6	.2	.6	.4	.3	.2	.2	.0	1.1	1.7	.5	2.3
155.	1.3	.3	.2	.8	.8	1.5	1.9	1.8	1.9	.5	.8	.6	.4	.3	.2	.0	1.1	1.7	.6	2.6
160.	1.4	.4	.1	.7	1.0	1.5	1.8	1.9	2.0	.7	1.2	1.1	.6	.3	.2	.0	1.1	1.9	.7	2.4
165.	1.4	.3	.1	.7	.8	1.7	2.0	2.1	1.8	.9	1.6	1.3	1.0	.3	.3	.0	1.2	1.9	1.1	2.4
170.	1.2	.3	.1	.3	.9	1.7	2.1	1.9	1.6	1.4	2.2	1.8	1.4	.5	.4	.0	1.6	1.9	1.6	2.2
175.	.9	.3	.0	.2	.7	1.8	1.9	1.9	1.5	1.8	2.4	2.3	1.7	.6	.5	.0	1.8	1.8	1.8	1.9
180.	.8	.3	.0	.1	.4	1.7	1.8	1.7	1.0	2.2	2.7	2.6	2.1	.8	.7	.0	2.0	1.4	2.3	1.4

185. *	.7	.2	.0	.1	.2	1.4	1.5	1.4	.7	2.4	2.9	2.7	2.4	.9	.6	.1	2.2	.9	2.7	1.2
190. *	.6	.2	.0	.0	.1	.9	1.1	1.0	.5	2.7	2.8	2.9	2.7	1.0	.7	.2	2.2	.8	2.6	.7
195. *	.6	.3	.0	.0	.0	.5	.8	.7	.3	2.7	2.7	2.8	2.4	1.1	.7	.3	2.3	.8	2.6	.7
200. *	.6	.3	.0	.0	.0	.4	.5	.5	.2	2.3	2.6	2.5	2.4	1.0	.8	.5	2.3	.7	2.4	.8
205. *	.6	.3	.0	.0	.0	.2	.3	.2	.0	2.4	2.5	2.6	2.2	1.0	.8	.6	2.3	.7	2.4	.8

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 PM RUN: Site 5-6 NB 2035 PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210. *	.6	.3	.0	.0	.0	.1	.2	.2	.0	2.4	2.3	2.3	2.2	1.1	.7	.6	2.4	.7	2.3	1.0
215. *	.6	.3	.0	.0	.0	.0	.1	.1	.0	2.3	2.2	2.3	2.2	1.1	.6	.6	2.2	.7	2.3	1.1
220. *	.6	.3	.0	.0	.0	.0	.1	.1	.0	2.2	2.2	2.1	2.0	1.0	.8	.8	2.1	.7	2.4	1.1
225. *	.6	.3	.0	.0	.0	.0	.0	.0	.0	2.0	2.1	2.2	1.9	1.0	.7	.7	2.1	.7	2.2	1.2
230. *	.6	.3	.0	.0	.0	.0	.0	.0	.0	2.0	2.0	2.2	2.0	1.0	.7	.8	1.8	.8	2.1	1.2
235. *	.6	.3	.1	.1	.1	.0	.0	.0	.0	1.8	2.0	2.2	1.9	1.0	.6	.6	1.8	.8	2.2	1.3
240. *	.6	.3	.1	.1	.1	.0	.0	.0	.0	1.8	1.9	2.1	1.7	.9	.6	.5	1.8	.7	2.1	1.4
245. *	.6	.3	.1	.1	.2	.0	.0	.0	.0	1.8	2.0	2.1	1.7	.9	.6	.5	1.8	.7	2.3	1.6
250. *	.5	.3	.2	.3	.3	.2	.0	.0	.0	1.7	2.0	2.0	1.9	1.0	.8	.6	1.8	.6	2.3	1.6
255. *	.5	.3	.2	.3	.4	.2	.0	.0	.0	1.7	2.0	2.0	1.8	1.1	.9	.6	1.8	.5	2.5	1.5
260. *	.4	.3	.3	.4	.6	.4	.0	.0	.0	1.8	2.1	2.1	2.1	1.3	1.0	.8	1.6	.4	2.5	1.4
265. *	.4	.2	.3	.5	.7	.4	.0	.0	.0	1.6	2.0	2.1	2.2	1.6	1.3	1.0	1.5	.4	2.6	1.2
270. *	.2	.1	.4	.7	.9	.6	.0	.0	.0	1.6	2.0	2.2	2.4	1.6	1.3	1.2	1.4	.2	2.5	1.1
275. *	.1	.1	.4	.8	1.0	.7	.1	.0	.0	1.8	2.1	2.4	2.5	1.8	1.5	1.2	1.4	.1	2.4	.9
280. *	.0	.0	.4	.8	1.1	.7	.1	.0	.0	1.8	2.2	2.6	2.7	1.8	1.4	1.4	1.3	.1	2.2	.9
285. *	.0	.0	.4	1.0	1.2	.8	.2	.0	.0	1.7	2.2	2.7	2.6	1.6	1.5	1.5	1.3	.0	2.2	.8
290. *	.0	.0	.3	.8	1.1	.8	.2	.1	.0	1.7	2.4	2.6	2.6	1.7	1.4	1.4	1.2	.0	2.2	.8
295. *	.0	.0	.3	.8	.9	.8	.2	.1	.0	2.1	2.5	2.7	2.4	1.7	1.2	1.3	1.2	.0	2.0	.5
300. *	.0	.0	.3	.8	.9	.7	.2	.1	.0	2.3	2.5	2.8	2.6	1.5	1.2	1.1	1.2	.0	2.0	.5
305. *	.0	.0	.3	.8	.9	.7	.2	.1	.0	2.0	2.8	2.9	2.4	1.5	1.3	1.2	1.1	.0	2.1	.5
310. *	.0	.0	.2	.7	.8	.6	.2	.2	.0	2.3	2.7	2.9	2.3	1.5	1.2	1.1	1.1	.0	2.1	.5
315. *	.0	.0	.2	.7	.8	.6	.3	.2	.0	2.4	3.0	2.9	2.4	1.6	1.1	1.2	1.2	.0	2.1	.5
320. *	.0	.0	.2	.7	.7	.6	.3	.2	.0	2.5	3.0	2.9	2.4	1.6	1.0	1.0	1.2	.0	2.1	.5
325. *	.0	.0	.2	.7	.7	.6	.3	.2	.0	2.5	3.1	2.7	2.3	1.4	1.0	1.1	1.3	.0	2.3	.4
330. *	.0	.0	.2	.7	.7	.5	.3	.2	.0	2.7	2.9	2.9	2.6	1.5	1.0	1.1	1.2	.0	2.2	.4
335. *	.0	.0	.2	.7	.7	.5	.2	.2	.0	2.6	2.8	2.9	2.5	1.2	.9	1.1	1.2	.0	2.3	.4
340. *	.0	.0	.2	.7	.7	.5	.2	.3	.1	2.6	2.9	3.0	2.5	1.3	1.0	1.1	1.3	.0	2.3	.5
345. *	.0	.0	.2	.7	.7	.4	.2	.3	.1	2.5	2.9	2.7	2.5	1.1	1.0	1.0	1.3	.0	2.2	.5
350. *	.0	.0	.2	.7	.7	.4	.3	.3	.2	2.2	2.5	2.4	2.3	1.0	.9	.9	1.4	.0	2.2	.9
355. *	.0	.0	.2	.7	.7	.4	.3	.3	.3	1.8	2.3	2.1	1.9	1.0	.8	.9	1.4	.0	2.0	1.0
360. *	.0	.0	.2	.7	.7	.6	.5	.5	.5	1.4	1.8	1.7	1.7	.9	.9	.9	1.3	.0	1.4	1.1
MAX *	1.4	.9	1.0	1.9	2.1	2.2	2.1	2.1	2.1	2.7	3.1	3.0	2.7	1.8	1.5	1.5	2.4	1.9	2.7	2.6
DEGR. *	160	125	80	50	45	25	40	40	25	190	325	340	280	275	275	285	210	160	185	155

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 PM RUN: Site 5-6 NB 2035 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
0. *	.8	1.8	1.8	1.7	2.2	2.1	2.0	1.1	1.5
5. *	.8	1.8	1.8	2.0	2.1	2.2	2.2	1.0	1.8
10. *	.8	1.8	1.9	2.2	2.2	2.3	2.4	.5	2.0
15. *	.8	1.8	2.0	2.1	2.3	2.7	2.5	.4	2.3
20. *	.9	1.8	2.1	2.4	2.3	2.7	2.3	.3	2.4
25. *	.9	2.0	2.4	2.2	2.5	2.6	2.4	.3	2.3
30. *	.9	2.2	2.3	2.4	2.8	2.5	2.2	.4	2.2
35. *	.9	2.2	2.5	2.7	2.5	2.7	2.2	.4	2.2
40. *	1.0	2.2	2.7	2.6	2.6	2.5	2.0	.4	2.1
45. *	1.0	2.6	2.8	2.5	2.3	2.3	1.8	.4	2.1
50. *	1.2	2.6	2.9	2.2	2.2	2.3	2.0	.4	2.2
55. *	1.2	2.6	2.9	2.4	2.2	2.3	1.9	.4	2.1
60. *	1.5	2.7	2.6	2.3	2.1	2.3	2.0	.3	2.0
65. *	1.6	2.2	2.3	2.2	2.2	2.3	2.1	.2	1.8
70. *	1.8	2.3	2.4	2.4	2.1	2.3	1.9	.2	1.8
75. *	1.9	2.4	2.4	2.2	2.1	2.0	2.0	.3	1.5
80. *	1.6	2.4	2.1	2.2	2.1	2.1	2.0	.3	1.6
85. *	1.5	2.1	1.9	2.3	2.0	2.0	1.9	.4	1.6
90. *	1.2	1.6	1.7	1.9	2.0	2.1	1.9	.4	1.6
95. *	.9	1.4	1.5	1.9	1.9	2.2	1.8	.6	1.7
100. *	.6	1.2	1.3	2.0	1.9	2.3	1.8	.7	1.6
105. *	.4	1.1	1.1	1.7	1.9	2.2	1.8	.7	1.7
110. *	.4	1.0	1.2	1.9	2.1	2.2	1.8	.7	1.7
115. *	.3	1.0	1.0	1.9	2.0	2.3	1.9	.7	1.5
120. *	.3	.8	1.0	1.9	2.0	2.2	2.0	.7	1.7
125. *	.3	.7	1.0	2.0	2.0	2.3	2.0	.6	1.8
130. *	.6	.8	1.0	2.1	2.1	2.2	2.0	.6	1.8

135.	*	.5	1.0	.9	2.1	2.1	2.3	2.0	.6	2.0
140.	*	.5	1.0	1.0	2.0	2.1	2.3	2.1	.6	2.1
145.	*	.5	.9	1.1	2.1	2.5	2.5	2.2	.5	2.2
150.	*	.3	.8	1.1	2.3	2.6	2.4	2.4	.5	2.2
155.	*	.1	.7	1.0	2.3	2.7	2.5	2.6	.6	2.1
160.	*	.1	.6	1.0	2.3	2.7	2.5	2.5	1.1	2.3
165.	*	.0	.5	.7	2.2	2.5	2.4	2.3	1.1	2.1
170.	*	.0	.2	.7	1.9	2.2	2.3	2.1	1.6	1.9
175.	*	.0	.0	.3	1.6	1.8	1.7	1.7	1.7	1.5
180.	*	.0	.0	.0	1.1	1.3	1.4	1.4	2.1	1.3
185.	*	.0	.0	.0	.6	.8	.7	.8	2.4	.6
190.	*	.0	.0	.0	.3	.5	.4	.5	2.5	.5
195.	*	.0	.0	.0	.0	.1	.3	.3	2.2	.4
200.	*	.0	.0	.0	.0	.1	.2	.2	2.2	.2
205.	*	.0	.0	.0	.0	.1	.2	.0	2.1	.2

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JOB: Site 5-6 MLK & Mulberry/Balt NB 2035 PM RUN: Site 5-6 NB 2035 PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49
210.	*	.0	.0	.0	.0	.1	.1	.0	1.9	.2
215.	*	.0	.0	.0	.0	.1	.1	.0	2.0	.2
220.	*	.0	.1	.0	.0	.1	.1	.0	1.8	.2
225.	*	.0	.1	.1	.0	.1	.1	.0	1.8	.2
230.	*	.0	.1	.1	.0	.1	.1	.0	1.7	.2
235.	*	.0	.1	.1	.0	.1	.1	.0	1.8	.2
240.	*	.0	.2	.2	.0	.1	.1	.0	1.7	.2
245.	*	.0	.2	.2	.1	.0	.1	.0	1.7	.2
250.	*	.1	.3	.3	.2	.0	.1	.0	1.7	.2
255.	*	.1	.4	.6	.4	.0	.1	.1	1.8	.2
260.	*	.2	.8	.7	.6	.0	.1	.1	1.7	.2
265.	*	.3	.9	1.2	.9	.0	.0	.1	1.8	.2
270.	*	.5	1.4	1.5	1.1	.1	.0	.2	1.8	.2
275.	*	.6	1.6	1.7	1.4	.3	.1	.3	1.6	.0
280.	*	.6	1.8	1.9	1.6	.3	.1	.3	1.7	.0
285.	*	.6	2.0	2.0	1.8	.5	.3	.3	1.9	.1
290.	*	.7	1.9	2.0	1.8	.6	.3	.4	2.0	.2
295.	*	.8	2.0	2.2	1.8	.6	.3	.4	2.0	.3
300.	*	.8	2.0	2.1	1.7	.9	.4	.5	2.1	.3
305.	*	.7	2.0	2.0	1.6	.9	.6	.6	2.4	.3
310.	*	.8	1.9	2.0	1.5	.9	.6	.5	2.6	.5
315.	*	.9	1.9	1.9	1.5	.9	.7	.6	2.6	.6
320.	*	.8	1.8	1.8	1.4	.9	.7	.5	2.4	.6
325.	*	.8	1.8	1.8	1.3	.9	.8	.7	2.4	.6
330.	*	.8	1.7	1.7	1.2	.9	.7	.7	2.5	.6
335.	*	.8	1.7	1.7	1.2	.9	.7	.7	2.3	.6
340.	*	.8	1.7	1.7	1.0	1.0	.9	.7	2.1	.6
345.	*	.8	1.7	1.7	1.0	1.1	1.1	.7	2.1	.9
350.	*	.8	1.7	1.7	1.4	1.4	1.1	1.2	1.8	.9
355.	*	.8	1.8	1.7	1.6	1.6	1.7	1.6	1.5	1.4
360.	*	.8	1.8	1.8	1.7	2.2	2.1	2.0	1.1	1.5
MAX	*	1.9	2.7	2.9	2.7	2.8	2.7	2.6	2.6	2.4
DEGR.	*	75	60	50	35	30	15	155	310	20

THE HIGHEST CONCENTRATION IS 4.00 PPM AT 345 DEGREES FROM REC15.
THE 2ND HIGHEST CONCENTRATION IS 4.00 PPM AT 350 DEGREES FROM REC14.
THE 3RD HIGHEST CONCENTRATION IS 3.50 PPM AT 355 DEGREES FROM REC13.

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S7 Lombard & Light BDAM21               60.0321.0.0000.000280.30480000    1    1
SE MID S                 1929.     1457.       5.0
SE 164 S                 1929.     1652.       5.0
SE 82 S                  1914.     1732.       5.0
SE CNR                   1904.     1807.       5.0
SE 82 E                  1985.     1817.       5.0
SE 164 E                 2067.     1823.       5.0
SE MID E                 2245.     1834.       5.0
NE MID E                 2240.     1915.       5.0
NE 164 E                 2066.     1906.       5.0
NE 82 E                  1985.     1903.       5.0
NE CNR                   1905.     1900.       5.0
NE 82 N                  1899.     1981.       5.0
NE 164 N                 1895.     2062.       5.0
NE MID N                 1873.     2214.       5.0
NW MID N                 1807.     2211.       5.0
NW 164 N                 1816.     2058.       5.0
NW 82 N                  1820.     1976.       5.0
NW CNR                   1824.     1896.       5.0
NW 82 W                  1743.     1890.       5.0
NW 164 W                 1662.     1886.       5.0
NW MID W                 1511.     1878.       5.0
SW MID W                 1515.     1816.       5.0
SW 164 W                 1667.     1824.       5.0
SW 82 W                  1749.     1829.       5.0
SW CNR                   1826.     1827.       5.0
SW 82 S                  1834.     1750.       5.0
SW 164 S                 1838.     1668.       5.0
SW MID S                 1845.     1474.       5.0
Site 7 Build AM 2021                     26  1   0
  1
WB        Lom       AG  2856.  1894.  2750.  1915.   2305. 8.1   0  80   30.
  1
WB        Lom       AG  2750.  1915.  2563.  1886.   2305. 8.1   0  80   30.
  1
WB        Lom       AG  2563.  1886.  2217.  1871.   2305. 8.1   0  80   30.
  1
WB        Lom thru  AG  2217.  1871.  2062.  1871.   1160. 8.1   0  56   30.
  1
WB        Lom thru  AG  2062.  1871.  1883.  1863.   1160. 8.1   0  56   30.
  2
WB        Lom thru  AG  1908.  1864.  2052.  1870.      0.  36   3
       140        69       2.0 1160   43.6 1157 1 3
  1
WB        Lom left  AG  2217.  1871.  2060.  1844.   1145. 8.1   0  44   30.
  1
WB        Lom left  AG  2060.  1844.  1887.  1834.   1145. 8.1   0  44   30.
  2
WB        Lom left  AG  1911.  1835.  2052.  1844.      0.  24   2
       140        90       2.0 1145   43.6 1300 1 3
  1
WB        Lom dep   AG  1883.  1863.  1719.  1850.   1555. 8.1   0  56   30.
  1
WB        Lom dep   AG  1719.  1850.  1491.  1839.   1555. 8.1   0  56   30.
  1
WB        Lom dep   AG  1491.  1839.  1129.  1842.   1555. 8.1   0  56   30.
  1
WB        Lom dep   AG  1129.  1842.   857.  1830.   1555. 8.1   0  56   30.
  1
SB        Lgt ap    AG  1787.  2858.  1811.  2537.   1690. 8.3   0  68   40.
  1
SB        Lgt ap    AG  1811.  2537.  1826.  2453.   1690. 8.3   0  68   40.
  1
SB        Lgt ap    AG  1826.  2453.  1844.  2142.   1690. 8.3   0  68   40.
  1
SB        Lgt thru  AG  1844.  2142.  1860.  2063.   1295. 8.3   0  68   40.
  1
SB        Lgt thru  AG  1860.  2063.  1871.  1875.   1295. 8.3   0  68   40.
  2
SB        Lgt thru  AG  1869.  1906.  1861.  2048.      0.  48   4
       140        85       2.0 1295   43.6 1208 1 3
  1
SB        Lgt right AG  1844.  2142.  1832.  2065.    395. 8.3   0  32   40.
  1
SB        Lgt right AG  1832.  2065.  1842.  1875.    395. 8.3   0  32   40.
  2
SB        Lgt right AG  1841.  1909.  1833.  2050.      0.  12   1
       140        92       2.0  395   43.6 1013 1 3
  1
SB        Lgt dep   AG  1871.  1875.  1877.  1701.   2440. 8.3   0  68   40.
  1
```

```
SB        Lgt dep   AG  1877.  1701.  1891.  1421.   2440. 8.3   0  80   40.
  1
SB        Lgt dep   AG  1891.  1421.  1904.  1219.   2440. 8.3   0  80   40.
  1
SB        Lgt dep   AG  1904.  1219.  1931.   863.   2440. 8.3   0  80   40.
1.0   04  1000   0Y  5  0 72
```

JOB: S7 Lombard & Light BDAM21 RUN: Site 7 Build AM 2021
DATE: 09/18/2012 TIME: 09:27:16.83

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom	2856.0	1894.0	2750.0	1915.0	108.	281.	AG	2305.	8.1	.0	80.0		
2. WB	Lom	2750.0	1915.0	2563.0	1886.0	189.	261.	AG	2305.	8.1	.0	80.0		
3. WB	Lom	2563.0	1886.0	2217.0	1871.0	346.	268.	AG	2305.	8.1	.0	80.0		
4. WB	Lom thru	2217.0	1871.0	2062.0	1871.0	155.	270.	AG	1160.	8.1	.0	56.0		
5. WB	Lom thru	2062.0	1871.0	1883.0	1863.0	179.	267.	AG	1160.	8.1	.0	56.0		
6. WB	Lom thru	1908.0	1864.0	2053.5	1870.1	146.	88.	AG	173.	100.0	.0	36.0	.70	7.4
7. WB	Lom left	2217.0	1871.0	2060.0	1844.0	159.	260.	AG	1145.	8.1	.0	44.0		
8. WB	Lom left	2060.0	1844.0	1887.0	1834.0	173.	267.	AG	1145.	8.1	.0	44.0		
9. WB	Lom left	1911.0	1835.0	3750.4	1952.4	1843.	86.	AG	150.	100.0	.0	24.0	1.34	93.6
10. WB	Lom dep	1883.0	1863.0	1719.0	1850.0	165.	265.	AG	1555.	8.1	.0	56.0		
11. WB	Lom dep	1719.0	1850.0	1491.0	1839.0	228.	267.	AG	1555.	8.1	.0	56.0		
12. WB	Lom dep	1491.0	1839.0	1129.0	1842.0	362.	270.	AG	1555.	8.1	.0	56.0		
13. WB	Lom dep	1129.0	1842.0	857.0	1830.0	272.	267.	AG	1555.	8.1	.0	56.0		
14. SB	Lgt ap	1787.0	2858.0	1811.0	2537.0	322.	176.	AG	1690.	8.3	.0	68.0		
15. SB	Lgt ap	1811.0	2537.0	1826.0	2453.0	85.	170.	AG	1690.	8.3	.0	68.0		
16. SB	Lgt ap	1826.0	2453.0	1844.0	2142.0	312.	177.	AG	1690.	8.3	.0	68.0		
17. SB	Lgt thru	1844.0	2142.0	1860.0	2063.0	81.	169.	AG	1295.	8.3	.0	68.0		
18. SB	Lgt thru	1860.0	2063.0	1871.0	1875.0	188.	177.	AG	1295.	8.3	.0	68.0		
19. SB	Lgt thru	1869.0	1906.0	1860.6	2055.9	150.	357.	AG	284.	100.0	.0	48.0	.73	7.6
20. SB	Lgt right	1844.0	2142.0	1832.0	2065.0	78.	189.	AG	395.	8.3	.0	32.0		
21. SB	Lgt right	1832.0	2065.0	1842.0	1875.0	190.	177.	AG	395.	8.3	.0	32.0		
22. SB	Lgt right	1841.0	1909.0	1780.7	2971.6	1064.	357.	AG	77.	100.0	.0	12.0	1.24	54.1
23. SB	Lgt dep	1871.0	1875.0	1877.0	1701.0	174.	178.	AG	2440.	8.3	.0	68.0		
24. SB	Lgt dep	1877.0	1701.0	1891.0	1421.0	280.	177.	AG	2440.	8.3	.0	80.0		
25. SB	Lgt dep	1891.0	1421.0	1904.0	1219.0	202.	176.	AG	2440.	8.3	.0	80.0		
26. SB	Lgt dep	1904.0	1219.0	1931.0	863.0	357.	176.	AG	2440.	8.3	.0	80.0		

JOB: S7 Lombard & Light BDAM21 RUN: Site 7 Build AM 2021
DATE: 09/18/2012 TIME: 09:27:16.83

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. WB	Lom thru	140	69	2.0	1160	1157	43.60	1	3
9. WB	Lom left	140	90	2.0	1145	1300	43.60	1	3
19. SB	Lgt thru	140	85	2.0	1295	1208	43.60	1	3
22. SB	Lgt right	140	92	2.0	395	1013	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1929.0	1457.0	5.0
2. SE 164 S	1929.0	1652.0	5.0
3. SE 82 S	1914.0	1732.0	5.0
4. SE CNR	1904.0	1807.0	5.0
5. SE 82 E	1985.0	1817.0	5.0
6. SE 164 E	2067.0	1823.0	5.0
7. SE MID E	2245.0	1834.0	5.0
8. NE MID E	2240.0	1915.0	5.0
9. NE 164 E	2066.0	1906.0	5.0
10. NE 82 E	1985.0	1903.0	5.0
11. NE CNR	1905.0	1900.0	5.0
12. NE 82 N	1899.0	1981.0	5.0
13. NE 164 N	1895.0	2062.0	5.0
14. NE MID N	1873.0	2214.0	5.0
15. NW MID N	1807.0	2211.0	5.0
16. NW 164 N	1816.0	2058.0	5.0
17. NW 82 N	1820.0	1976.0	5.0
18. NW CNR	1824.0	1896.0	5.0
19. NW 82 W	1743.0	1890.0	5.0
20. NW 164 W	1662.0	1886.0	5.0
21. NW MID W	1511.0	1878.0	5.0
22. SW MID W	1515.0	1816.0	5.0
23. SW 164 W	1667.0	1824.0	5.0
24. SW 82 W	1749.0	1829.0	5.0
25. SW CNR	1826.0	1827.0	5.0
26. SW 82 S	1834.0	1750.0	5.0
27. SW 164 S	1838.0	1668.0	5.0
28. SW MID S	1845.0	1474.0	5.0

JOB: S7 Lombard & Light BDAM21 RUN: Site 7 Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.7	.9	1.2	1.8	1.3	1.0	1.0	.0	.0	.0	.7	.7	.4	.6	.9	.9	.9	1.1	.2	.0
5.	.6	.6	.9	1.5	1.3	1.0	.9	.0	.0	.0	.5	.3	.2	.4	.9	1.0	.9	1.3	.2	.0
10.	.4	.5	.7	1.3	1.3	.9	.9	.0	.0	.0	.2	.3	.1	.2	1.0	.9	1.1	1.5	.2	.1
15.	.3	.4	.6	1.3	1.3	.9	.9	.0	.0	.0	.2	.1	.0	.2	.9	.9	1.1	1.6	.2	.2
20.	.2	.4	.7	1.1	1.3	.9	.9	.0	.0	.0	.1	.1	.0	.1	.9	.8	1.2	1.6	.3	.2
25.	.2	.4	.7	1.2	1.3	1.0	.9	.0	.0	.0	.0	.0	.0	.1	.9	.8	1.3	1.4	.4	.2
30.	.2	.3	.7	1.2	1.3	1.0	1.1	.0	.0	.0	.0	.0	.0	.1	.8	.8	1.3	1.4	.5	.2
35.	.3	.2	.7	1.2	1.3	1.0	1.1	.0	.0	.0	.0	.0	.0	.1	.7	.7	1.3	1.3	.4	.2
40.	.3	.1	.5	1.3	1.3	1.1	1.1	.0	.0	.0	.0	.0	.0	.1	.7	.7	1.2	1.3	.4	.3
45.	.3	.3	.5	1.3	1.5	1.1	1.1	.1	.0	.0	.0	.0	.0	.0	.7	.6	1.3	1.2	.5	.2
50.	.3	.2	.7	1.3	1.5	1.4	1.2	.1	.0	.0	.0	.0	.0	.0	.7	.6	1.3	1.1	.5	.3
55.	.3	.2	.7	1.5	1.6	1.3	1.3	.1	.0	.0	.0	.0	.0	.0	.6	.5	1.3	1.1	.5	.3
60.	.1	.2	.6	1.5	1.5	1.3	1.3	.1	.0	.0	.0	.0	.0	.0	.6	.6	1.3	1.1	.5	.3
65.	.1	.2	.5	1.6	1.4	1.4	1.4	.1	.0	.0	.0	.0	.0	.0	.6	.7	1.3	1.0	.5	.3
70.	.1	.2	.4	1.5	1.5	1.5	1.6	.1	.1	.0	.0	.0	.0	.0	.6	.8	1.3	.8	.4	.3
75.	.1	.2	.3	1.4	1.7	1.6	1.6	.3	.3	.2	.3	.0	.0	.0	.6	.7	1.3	1.1	.5	.5
80.	.0	.1	.3	1.3	1.3	1.3	1.4	.5	.4	.4	.4	.0	.0	.0	.6	.8	1.3	1.1	.8	.5
85.	.0	.1	.2	1.2	1.1	1.2	1.2	.7	.5	.5	.6	.2	.0	.0	.6	.8	1.4	1.2	1.1	.9
90.	.0	.0	.1	.8	.9	.9	1.0	.9	.9	.9	1.0	.2	.1	.0	.6	1.0	1.5	1.5	1.1	1.1
95.	.0	.0	.1	.5	.6	.6	.8	1.0	.9	.9	1.1	.2	.2	.0	.6	1.2	1.6	1.6	1.2	1.1
100.	.0	.0	.0	.3	.4	.4	.5	1.1	1.0	1.1	1.3	.3	.2	.1	.7	1.2	1.6	1.6	1.2	1.0
105.	.0	.0	.0	.2	.2	.3	.3	1.1	.9	1.1	1.4	.4	.2	.1	.7	1.3	1.7	1.6	1.1	.9
110.	.0	.0	.0	.0	.2	.2	.3	1.0	1.0	1.1	1.4	.5	.2	.1	.8	1.3	1.8	1.4	1.0	.7
115.	.0	.0	.0	.1	.0	.0	.1	1.0	.9	1.2	1.3	.6	.2	.2	.8	1.4	1.8	1.4	.9	.7
120.	.0	.0	.0	.1	.0	.0	.1	1.0	.9	1.3	1.3	.7	.2	.2	.8	1.4	1.8	1.3	.7	.5
125.	.0	.0	.0	.1	.0	.0	.1	.9	.9	1.3	1.3	.6	.2	.2	.8	1.5	1.8	1.3	.6	.6
130.	.0	.0	.0	.1	.0	.0	.1	.9	.8	1.3	1.3	.4	.1	.3	.9	1.6	1.8	1.3	.6	.6
135.	.0	.0	.0	.1	.0	.0	.1	.9	.8	1.2	1.2	.5	.2	.3	.8	1.6	1.7	1.2	.7	.6
140.	.0	.0	.0	.1	.0	.0	.1	.9	.7	1.0	1.1	.5	.3	.2	.9	1.8	1.7	1.1	.7	.6
145.	.0	.0	.0	.1	.0	.0	.1	.7	.7	1.1	1.1	.5	.3	.2	1.0	1.9	1.8	1.1	.7	.4
150.	.0	.0	.1	.1	.0	.0	.0	.7	.7	1.1	1.1	.6	.5	.2	1.2	2.0	1.8	1.0	.7	.4
155.	.1	.1	.1	.3	.0	.0	.0	.7	.6	1.1	1.2	.6	.5	.2	1.3	1.8	1.3	1.0	.6	.5
160.	.3	.1	.2	.3	.0	.0	.0	.7	.6	1.1	1.2	.7	.6	.4	1.1	1.6	1.3	1.1	.7	.6
165.	.4	.2	.2	.5	.0	.0	.0	.7	.6	1.1	1.3	.8	.8	.6	1.2	1.6	1.1	1.1	.6	.5
170.	.5	.4	.5	.8	.0	.0	.0	.7	.6	1.1	1.3	1.0	1.0	.9	1.1	1.4	.9	1.3	.6	.3
175.	.8	.5	.7	1.0	.0	.0	.0	.7	.6	1.2	1.7	1.1	1.2	.8	1.1	1.0	1.0	1.1	.5	.4
180.	.8	.6	.8	1.0	.3	.0	.0	.7	.8	1.3	1.6	1.4	1.3	1.0	1.0	.8	.8	1.0	.3	.4
185.	.9	.7	.9	1.1	.3	.1	.0	.7	.9	1.4	1.6	1.4	1.4	1.0	.6	.7	.5	.5	.3	.3
190.	.9	.8	1.0	1.0	.4	.2	.0	.7	1.0	1.5	1.4	1.4	1.6	1.0	.3	.5	.5	.5	.4	.3
195.	.9	.8	.9	1.0	.4	.3	.0	.8	1.2	1.5	1.4	1.4	1.5	.8	.1	.2	.2	.3	.4	.3
200.	.9	.7	.8	.9	.3	.2	.1	.8	1.0	1.4	1.2	1.3	1.6	.8	.1	.1	.2	.3	.4	.3
205.	.9	.7	.7	.9	.2	.2	.1	.7	1.1	1.5	1.2	1.4	1.7	.7	.2	.2	.1	.4	.3	.4

1

JOB: S7 Lombard & Light BDAM21 RUN: Site 7 Build AM 2021

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.7	.6	.7	.8	.3	.2	.0	.9	1.0	1.5	1.0	1.4	1.6	.6	.2	.1	.2	.4	.4	.4
215.	.7	.6	.8	.8	.3	.2	.1	1.1	1.1	1.5	.9	1.5	1.6	.7	.2	.1	.2	.4	.4	.4
220.	.7	.6	.7	.8	.4	.2	.1	1.0	1.4	1.6	.8	1.6	1.5	.6	.1	.1	.2	.4	.4	.4
225.	.7	.6	.7	.7	.3	.2	.1	1.0	1.3	1.2	1.0	1.4	1.4	.5	.0	.1	.2	.4	.4	.4
230.	.7	.6	.7	.7	.3	.2	.1	1.0	1.3	1.3	1.0	1.5	1.3	.5	.1	.1	.1	.5	.4	.4
235.	.6	.5	.7	.6	.3	.2	.1	1.0	1.4	1.2	.9	1.5	1.3	.5	.1	.1	.1	.5	.4	.4
240.	.7	.5	.6	.6	.4	.3	.1	1.1	1.4	1.2	1.0	1.5	1.3	.5	.0	.2	.1	.5	.4	.5
245.	.6	.5	.7	.6	.4	.3	.2	1.2	1.3	1.0	.9	1.5	1.3	.5	.0	.1	.2	.5	.5	.5
250.	.6	.5	.6	.6	.4	.4	.3	1.1	1.1	1.0	.9	1.5	1.1	.5	.0	.1	.2	.5	.6	.5
255.	.6	.5	.6	.6	.4	.5	.5	1.0	1.1	1.1	.9	1.5	.9	.5	.0	.1	.2	.6	.4	.4
260.	.6	.5	.6	.7	.7	.6	.9	1.0	1.3	.9	1.0	1.5	.8	.5	.0	.0	.1	.5	.4	.5
265.	.6	.5	.6	.9	.8	1.1	1.2	.8	.9	.8	.9	1.3	.7	.5	.0	.0	.1	.4	.3	.3
270.	.6	.5	.6	.9	1.1	1.2	1.3	.6	.8	.8	.9	1.3	.7	.5	.0	.0	.0	.3	.3	.3
275.	.6	.5	.8	.9	1.2	1.5	1.5	.3	.6	.5	.9	1.3	.6	.5	.0	.0	.0	.3	.2	.2
280.	.6	.5	.8	1.0	1.4	1.5	1.6	.1	.5	.5	1.0	1.3	.5	.5	.0	.0	.0	.1	.1	.2
285.	.6	.6	.8	.9	1.5	1.8	1.5	.1	.3	.5	1.0	1.3	.5	.5	.0	.0	.0	.0	.0	.0
290.	.6	.8	.7	1.0	1.5	1.8	1.5	.1	.3	.5	1.0	1.3	.5	.5	.0	.0	.0	.0	.0	.0
295.	.6	.7	.8	1.1	1.7	1.9	1.4	.1	.3	.6	1.1	1.3	.4	.5	.0	.0	.0	.0	.0	.0
300.	.6	.6	.8	1.0	1.7	1.9	1.3	.0	.3	.5	1.2	1.3	.6	.5	.0	.0	.0	.0	.0	.0
305.	.6	.7	.8	1.0	1.9	1.9	1.3	.1	.2	.5	1.2	1.3	.6	.6	.0	.0	.0	.0	.0	.0
310.	.6	.8	.7	1.0	1.9	1.8	1.2	.1	.2	.5	1.4	1.2	.5	.6	.1	.0	.0	.0	.0	.0
315.	.7	.7	.8	1.1	1.8	1.8	1.2	.1	.2	.5	1.4	1.3	.5	.6	.1	.0	.0	.0	.0	.0
320.	.7	.7	.8	1.1	1.8	1.6	1.2	.1	.1	.4	1.4	1.3	.5	.6	.1	.0	.0	.0	.0	.0
325.	.7	.7	.9	1.4	1.7	1.6	1.0	.0	.2	.5	1.5	1.4	.6	.7	.1	.0	.0	.0	.0	.0
330.	.8	.8	1.0	1.5	1.8	1.5	1.0	.0	.1	.4	1.4	1.3	.5	.7	.1	.0	.0	.0	.0	.0
335.	.9	.8	1.1	1.7	1.8	1.3	1.0	.0	.1	.3	1.4	1.2	.5	.7	.1	.0	.0	.0	.0	.0
340.	.9	1.0	1.1	1.6	1.7	1.4	.9	.0	.1	.2	1.5	1.3	.6	.8	.3	.2	.1	.1	.0	.0
345.	.9	1.0	1.4	1.7	1.6	1.2	.9	.0	.0	.2	1.4	1.2	.7	.8	.4	.3	.3	.4	.0	.0
350.	.9	.9	1.5	2.0	1.6	1.0	.9	.0	.0	.1	1.2	1.0	.7	.7	.6	.5	.4	.6	.0	.0

355.	*	.8	1.1	1.3	1.9	1.3	1.0	.9	.0	.0	.0	.9	.9	.5	.7	.7	.7	.6	.7	.0	.0
360.	*	.7	.9	1.2	1.8	1.3	1.0	1.0	.0	.0	.0	.7	.7	.4	.6	.9	.9	.9	1.1	.2	.0
MAX	*	.9	1.1	1.5	2.0	1.9	1.9	1.6	1.2	1.4	1.6	1.7	1.6	1.7	1.0	1.3	2.0	1.8	1.6	1.2	1.1
DEGR.	*	195	355	350	350	305	300	70	245	220	220	175	220	205	180	155	150	130	15	95	90

1

JOB: S7 Lombard & Light BDAM21 RUN: Site 7 Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.4	.4	.6	1.4	1.0	1.0	.7
5.	*	.0	.4	.4	.6	1.3	1.1	1.1	.8
10.	*	.0	.4	.5	.7	1.4	1.1	1.1	.8
15.	*	.0	.4	.6	.7	1.5	1.0	1.1	.8
20.	*	.0	.4	.6	.9	1.4	1.1	1.3	.9
25.	*	.0	.4	.6	.9	1.4	1.1	1.3	.9
30.	*	.1	.5	.7	.8	1.1	1.2	1.2	.8
35.	*	.1	.6	.6	1.0	1.1	1.1	1.1	.8
40.	*	.1	.6	.8	1.0	1.2	1.0	1.1	.7
45.	*	.1	.5	.8	.9	1.2	1.1	1.0	.8
50.	*	.0	.6	.8	.8	1.1	1.2	1.0	.8
55.	*	.0	.7	.9	.9	1.1	1.2	.9	.8
60.	*	.1	.7	.9	1.1	1.4	1.1	.9	.8
65.	*	.1	.7	.8	1.1	1.4	1.1	.9	.6
70.	*	.1	.8	1.1	1.2	1.6	1.2	.9	.6
75.	*	.3	.9	1.2	1.4	1.7	1.0	.8	.6
80.	*	.4	1.0	1.3	1.3	1.9	.9	.8	.6
85.	*	.5	.9	1.2	1.3	2.0	.9	.7	.6
90.	*	.8	.8	1.3	1.4	1.6	.8	.7	.6
95.	*	.6	.7	1.0	1.2	1.4	.7	.6	.6
100.	*	.7	.5	.6	.9	1.2	.6	.6	.5
105.	*	.7	.4	.5	.7	.8	.5	.5	.5
110.	*	.5	.4	.3	.5	.7	.5	.6	.5
115.	*	.6	.2	.3	.4	.6	.6	.6	.6
120.	*	.6	.2	.3	.4	.5	.6	.6	.6
125.	*	.5	.2	.3	.4	.6	.7	.6	.7
130.	*	.5	.2	.3	.4	.6	.6	.6	.7
135.	*	.5	.2	.3	.4	.7	.7	.7	.6
140.	*	.5	.3	.3	.4	.7	.7	.7	.7
145.	*	.5	.1	.2	.3	.7	.8	.7	.7
150.	*	.4	.1	.2	.3	.7	.7	.8	.8
155.	*	.3	.1	.3	.3	.7	.8	.8	.8
160.	*	.3	.0	.3	.4	.7	.9	.9	.8
165.	*	.3	.0	.1	.4	.9	.9	.9	.9
170.	*	.3	.0	.0	.3	.8	.9	.9	.8
175.	*	.3	.0	.0	.2	.7	.7	.8	.7
180.	*	.3	.0	.0	.0	.6	.6	.7	.5
185.	*	.3	.0	.0	.0	.2	.5	.6	.4
190.	*	.4	.0	.0	.0	.2	.2	.3	.3
195.	*	.4	.0	.0	.0	.1	.1	.2	.2
200.	*	.3	.0	.0	.0	.0	.1	.1	.0
205.	*	.4	.0	.0	.0	.0	.0	.1	.0

1

JOB: S7 Lombard & Light BDAM21 RUN: Site 7 Build AM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.4	.0	.1	.0	.0	.0	.1	.0
215.	*	.4	.0	.1	.0	.0	.0	.1	.0
220.	*	.4	.0	.1	.0	.0	.0	.1	.0
225.	*	.4	.0	.1	.0	.0	.0	.1	.0
230.	*	.4	.0	.1	.0	.0	.0	.1	.0
235.	*	.4	.0	.1	.1	.0	.0	.0	.0
240.	*	.5	.0	.1	.2	.0	.0	.0	.0
245.	*	.5	.2	.2	.2	.1	.0	.0	.0
250.	*	.4	.2	.2	.2	.2	.0	.0	.0
255.	*	.4	.3	.4	.5	.2	.0	.0	.0
260.	*	.5	.5	.5	.6	.4	.0	.0	.0
265.	*	.4	.6	.5	.6	.5	.0	.0	.0
270.	*	.4	.7	.7	.7	.6	.1	.0	.0
275.	*	.2	.8	.7	.7	.6	.2	.0	.0
280.	*	.1	.7	.7	.7	.7	.2	.1	.0
285.	*	.1	.7	.7	.8	.6	.2	.1	.0
290.	*	.0	.7	.7	.7	.5	.2	.2	.0
295.	*	.0	.6	.6	.6	.5	.1	.2	.0
300.	*	.0	.6	.5	.6	.5	.2	.1	.0

305.	*	.0	.6	.5	.6	.4	.2	.1	.0
310.	*	.0	.6	.5	.5	.4	.2	.1	.1
315.	*	.0	.5	.5	.5	.4	.2	.1	.1
320.	*	.0	.5	.5	.5	.4	.2	.1	.1
325.	*	.0	.5	.4	.5	.4	.2	.2	.2
330.	*	.0	.4	.4	.5	.4	.2	.2	.2
335.	*	.0	.4	.4	.4	.4	.2	.1	.1
340.	*	.0	.5	.4	.4	.4	.3	.2	.1
345.	*	.0	.4	.4	.4	.6	.5	.4	.2
350.	*	.0	.4	.4	.4	.9	.8	.6	.4
355.	*	.0	.4	.4	.4	1.0	.9	.9	.6
360.	*	.0	.4	.4	.6	1.4	1.0	1.0	.7
MAX	*	.8	1.0	1.3	1.4	2.0	1.2	1.3	.9
DEGR.	*	90	80	80	75	85	30	20	165

THE HIGHEST CONCENTRATION IS 2.00 PPM AT 350 DEGREES FROM REC4 .
THE 2ND HIGHEST CONCENTRATION IS 2.00 PPM AT 150 DEGREES FROM REC16.
THE 3RD HIGHEST CONCENTRATION IS 2.00 PPM AT 85 DEGREES FROM REC25.

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S7 Lombard & Light BDAM35               60.0321.0.0000.000280.30480000    1    1
SE MID S                 1929.     1457.       5.0
SE 164 S                 1929.     1652.       5.0
SE 82 S                  1914.     1732.       5.0
SE CNR                   1904.     1807.       5.0
SE 82 E                  1985.     1817.       5.0
SE 164 E                 2067.     1823.       5.0
SE MID E                 2245.     1834.       5.0
NE MID E                 2240.     1915.       5.0
NE 164 E                 2066.     1906.       5.0
NE 82 E                  1985.     1903.       5.0
NE CNR                   1905.     1900.       5.0
NE 82 N                  1899.     1981.       5.0
NE 164 N                 1895.     2062.       5.0
NE MID N                 1873.     2214.       5.0
NW MID N                 1807.     2211.       5.0
NW 164 N                 1816.     2058.       5.0
NW 82 N                  1820.     1976.       5.0
NW CNR                   1824.     1896.       5.0
NW 82 W                  1743.     1890.       5.0
NW 164 W                 1662.     1886.       5.0
NW MID W                 1511.     1878.       5.0
SW MID W                 1515.     1816.       5.0
SW 164 W                 1667.     1824.       5.0
SW 82 W                  1749.     1829.       5.0
SW CNR                   1826.     1827.       5.0
SW 82 S                  1834.     1750.       5.0
SW 164 S                 1838.     1668.       5.0
SW MID S                 1845.     1474.       5.0
Site 7 Build AM 2035                     26  1   0
  1
WB        Lom       AG  2856.  1894.  2750.  1915.   2680. 7.8   0  80   30.
  1
WB        Lom       AG  2750.  1915.  2563.  1886.   2680. 7.8   0  80   30.
  1
WB        Lom       AG  2563.  1886.  2217.  1871.   2680. 7.8   0  80   30.
  1
WB        Lom thru  AG  2217.  1871.  2062.  1871.   1425. 7.8   0  56   30.
  1
WB        Lom thru  AG  2062.  1871.  1883.  1863.   1425. 7.8   0  56   30.
  2
WB        Lom thru  AG  1908.  1864.  2052.  1870.      0.  36   3
       140        66       2.0 1425   42.1 1185 1 3
  1
WB        Lom left  AG  2217.  1871.  2060.  1844.   1255. 7.8   0  44   30.
  1
WB        Lom left  AG  2060.  1844.  1887.  1834.   1255. 7.8   0  44   30.
  2
WB        Lom left  AG  1911.  1835.  2052.  1844.      0.  24   2
       140        87       2.0 1255   42.1 1300 1 3
  1
WB        Lom dep   AG  1883.  1863.  1719.  1850.   1800. 7.8   0  56   30.
  1
WB        Lom dep   AG  1719.  1850.  1491.  1839.   1800. 7.8   0  56   30.
  1
WB        Lom dep   AG  1491.  1839.  1129.  1842.   1800. 7.8   0  56   30.
  1
WB        Lom dep   AG  1129.  1842.   857.  1830.   1800. 7.8   0  56   30.
  1
SB        Lgt ap    AG  1787.  2858.  1811.  2537.   1730. 8.1   0  68   40.
  1
SB        Lgt ap    AG  1811.  2537.  1826.  2453.   1730. 8.1   0  68   40.
  1
SB        Lgt ap    AG  1826.  2453.  1844.  2142.   1730. 8.1   0  68   40.
  1
SB        Lgt thru  AG  1844.  2142.  1860.  2063.   1355. 8.1   0  68   40.
  1
SB        Lgt thru  AG  1860.  2063.  1871.  1875.   1355. 8.1   0  68   40.
  2
SB        Lgt thru  AG  1869.  1906.  1861.  2048.      0.  48   4
       140        84       2.0 1355   42.1 1224 1 3
  1
SB        Lgt right AG  1844.  2142.  1832.  2065.    375. 8.1   0  32   40.
  1
SB        Lgt right AG  1832.  2065.  1842.  1875.    375. 8.1   0  32   40.
  2
SB        Lgt right AG  1841.  1909.  1833.  2050.      0.  12   1
       140        93       2.0  375   42.1 1013 1 3
  1
SB        Lgt dep   AG  1871.  1875.  1877.  1701.   2610. 8.1   0  68   40.
  1
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SB        Lgt dep   AG  1877.  1701.  1891.  1421.   2610. 8.1   0  80   40.
  1
SB        Lgt dep   AG  1891.  1421.  1904.  1219.   2610. 8.1   0  80   40.
  1
SB        Lgt dep   AG  1904.  1219.  1931.   863.   2610. 8.1   0  80   40.
1.0   04  1000   0Y  5  0 72
```

JOB: S7 Lombard & Light BDAM35 RUN: Site 7 Build AM 2035
DATE: 09/07/2012 TIME: 09:47:59.52

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom	*	2856.0	1894.0	2750.0	1915.0	*	108.	281. AG	2680.	7.8	.0	80.0		
2. WB	Lom	*	2750.0	1915.0	2563.0	1886.0	*	189.	261. AG	2680.	7.8	.0	80.0		
3. WB	Lom	*	2563.0	1886.0	2217.0	1871.0	*	346.	268. AG	2680.	7.8	.0	80.0		
4. WB	Lom thru	*	2217.0	1871.0	2062.0	1871.0	*	155.	270. AG	1425.	7.8	.0	56.0		
5. WB	Lom thru	*	2062.0	1871.0	1883.0	1863.0	*	179.	267. AG	1425.	7.8	.0	56.0		
6. WB	Lom thru	*	1908.0	1864.0	2081.2	1871.2	*	173.	88. AG	160.	100.0	.0	36.0	.80	8.8
7. WB	Lom left	*	2217.0	1871.0	2060.0	1844.0	*	159.	260. AG	1255.	7.8	.0	44.0		
8. WB	Lom left	*	2060.0	1844.0	1887.0	1834.0	*	173.	267. AG	1255.	7.8	.0	44.0		
9. WB	Lom left	*	1911.0	1835.0	4050.6	1971.6	*	2144.	86. AG	140.	100.0	.0	24.0	1.38	108.9
10. WB	Lom dep	*	1883.0	1863.0	1719.0	1850.0	*	165.	265. AG	1800.	7.8	.0	56.0		
11. WB	Lom dep	*	1719.0	1850.0	1491.0	1839.0	*	228.	267. AG	1800.	7.8	.0	56.0		
12. WB	Lom dep	*	1491.0	1839.0	1129.0	1842.0	*	362.	270. AG	1800.	7.8	.0	56.0		
13. WB	Lom dep	*	1129.0	1842.0	857.0	1830.0	*	272.	267. AG	1800.	7.8	.0	56.0		
14. SB	Lgt ap	*	1787.0	2858.0	1811.0	2537.0	*	322.	176. AG	1730.	8.1	.0	68.0		
15. SB	Lgt ap	*	1811.0	2537.0	1826.0	2453.0	*	85.	170. AG	1730.	8.1	.0	68.0		
16. SB	Lgt ap	*	1826.0	2453.0	1844.0	2142.0	*	312.	177. AG	1730.	8.1	.0	68.0		
17. SB	Lgt thru	*	1844.0	2142.0	1860.0	2063.0	*	81.	169. AG	1355.	8.1	.0	68.0		
18. SB	Lgt thru	*	1860.0	2063.0	1871.0	1875.0	*	188.	177. AG	1355.	8.1	.0	68.0		
19. SB	Lgt thru	*	1869.0	1906.0	1860.3	2061.0	*	155.	357. AG	271.	100.0	.0	48.0	.74	7.9
20. SB	Lgt right	*	1844.0	2142.0	1832.0	2065.0	*	78.	189. AG	375.	8.1	.0	32.0		
21. SB	Lgt right	*	1832.0	2065.0	1842.0	1875.0	*	190.	177. AG	375.	8.1	.0	32.0		
22. SB	Lgt right	*	1841.0	1909.0	1788.7	2831.6	*	924.	357. AG	75.	100.0	.0	12.0	1.21	46.9
23. SB	Lgt dep	*	1871.0	1875.0	1877.0	1701.0	*	174.	178. AG	2610.	8.1	.0	68.0		
24. SB	Lgt dep	*	1877.0	1701.0	1891.0	1421.0	*	280.	177. AG	2610.	8.1	.0	80.0		
25. SB	Lgt dep	*	1891.0	1421.0	1904.0	1219.0	*	202.	176. AG	2610.	8.1	.0	80.0		
26. SB	Lgt dep	*	1904.0	1219.0	1931.0	863.0	*	357.	176. AG	2610.	8.1	.0	80.0		

JOB: S7 Lombard & Light BDAM35 RUN: Site 7 Build AM 2035
DATE: 09/07/2012 TIME: 09:47:59.52

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. WB	Lom thru	*	140	66	2.0	1425	1185	42.10	1	3
9. WB	Lom left	*	140	87	2.0	1255	1300	42.10	1	3
19. SB	Lgt thru	*	140	84	2.0	1355	1224	42.10	1	3
22. SB	Lgt right	*	140	93	2.0	375	1013	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1929.0	1457.0	5.0	*
2. SE 164 S	*	1929.0	1652.0	5.0	*
3. SE 82 S	*	1914.0	1732.0	5.0	*
4. SE CNR	*	1904.0	1807.0	5.0	*
5. SE 82 E	*	1985.0	1817.0	5.0	*
6. SE 164 E	*	2067.0	1823.0	5.0	*
7. SE MID E	*	2245.0	1834.0	5.0	*
8. NE MID E	*	2240.0	1915.0	5.0	*
9. NE 164 E	*	2066.0	1906.0	5.0	*
10. NE 82 E	*	1985.0	1903.0	5.0	*
11. NE CNR	*	1905.0	1900.0	5.0	*
12. NE 82 N	*	1899.0	1981.0	5.0	*
13. NE 164 N	*	1895.0	2062.0	5.0	*
14. NE MID N	*	1873.0	2214.0	5.0	*
15. NW MID N	*	1807.0	2211.0	5.0	*
16. NW 164 N	*	1816.0	2058.0	5.0	*
17. NW 82 N	*	1820.0	1976.0	5.0	*
18. NW CNR	*	1824.0	1896.0	5.0	*
19. NW 82 W	*	1743.0	1890.0	5.0	*
20. NW 164 W	*	1662.0	1886.0	5.0	*
21. NW MID W	*	1511.0	1878.0	5.0	*
22. SW MID W	*	1515.0	1816.0	5.0	*
23. SW 164 W	*	1667.0	1824.0	5.0	*
24. SW 82 W	*	1749.0	1829.0	5.0	*
25. SW CNR	*	1826.0	1827.0	5.0	*
26. SW 82 S	*	1834.0	1750.0	5.0	*
27. SW 164 S	*	1838.0	1668.0	5.0	*
28. SW MID S	*	1845.0	1474.0	5.0	*

JOB: S7 Lombard & Light BDAM35 RUN: Site 7 Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.7	.9	1.3	1.8	1.3	1.4	1.0	.0	.0	.0	.7	.7	.4	.6	.8	.8	.8	1.0	.2	.0
5.	.5	.6	.9	1.5	1.3	1.3	1.0	.0	.0	.0	.5	.3	.2	.4	.9	1.0	1.0	1.2	.2	.0
10.	.5	.5	.7	1.3	1.3	1.2	1.0	.0	.0	.0	.2	.3	.1	.2	1.0	.9	1.1	1.5	.2	.1
15.	.3	.4	.5	1.3	1.3	1.1	1.0	.0	.0	.0	.2	.1	.0	.2	.9	.9	1.1	1.6	.2	.2
20.	.2	.4	.6	1.1	1.3	1.0	1.0	.0	.0	.0	.1	.1	.0	.1	.9	.8	1.2	1.4	.3	.2
25.	.2	.4	.7	1.3	1.3	1.1	1.0	.0	.0	.0	.0	.0	.0	.1	.9	.9	1.3	1.3	.4	.2
30.	.2	.4	.7	1.3	1.3	1.1	1.0	.0	.0	.0	.0	.0	.0	.1	.7	.8	1.2	1.3	.5	.2
35.	.3	.3	.7	1.3	1.3	1.2	1.1	.0	.0	.0	.0	.0	.0	.1	.7	.7	1.3	1.3	.4	.2
40.	.3	.3	.6	1.3	1.5	1.2	1.2	.1	.0	.0	.0	.0	.0	.1	.7	.7	1.2	1.3	.4	.3
45.	.3	.4	.6	1.5	1.5	1.2	1.2	.1	.0	.0	.0	.0	.0	.0	.7	.6	1.3	1.1	.5	.2
50.	.3	.4	.7	1.5	1.6	1.3	1.3	.1	.0	.0	.0	.0	.0	.0	.7	.6	1.3	1.1	.5	.2
55.	.3	.2	.8	1.4	1.6	1.3	1.3	.1	.0	.0	.0	.0	.0	.0	.6	.6	1.3	1.1	.5	.3
60.	.2	.2	.7	1.6	1.7	1.4	1.4	.1	.0	.0	.0	.0	.0	.0	.6	.6	1.3	1.0	.5	.3
65.	.1	.2	.5	1.8	1.7	1.5	1.5	.1	.0	.0	.0	.0	.0	.0	.6	.8	1.2	1.0	.5	.3
70.	.1	.2	.5	1.6	1.7	1.4	1.6	.2	.1	.0	.0	.0	.0	.0	.6	.8	1.2	.8	.4	.3
75.	.1	.2	.3	1.4	1.7	1.5	1.5	.3	.3	.2	.4	.0	.0	.0	.6	.8	1.2	1.1	.5	.5
80.	.0	.2	.3	1.3	1.5	1.5	1.5	.6	.4	.4	.5	.0	.0	.0	.6	.9	1.3	1.1	.8	.6
85.	.0	.1	.2	1.1	1.1	1.3	1.3	.8	.6	.8	.7	.2	.0	.0	.6	.9	1.5	1.2	1.0	1.0
90.	.0	.0	.2	.9	1.0	.9	1.1	1.0	1.0	.8	.9	.2	.1	.0	.6	1.1	1.5	1.6	1.1	1.1
95.	.0	.0	.1	.5	.8	.7	.9	1.1	1.1	1.2	1.2	.2	.2	.0	.6	1.2	1.5	1.9	1.2	1.1
100.	.0	.0	.0	.4	.5	.4	.5	1.2	1.0	1.2	1.3	.3	.2	.1	.7	1.3	1.6	1.8	1.3	1.2
105.	.0	.0	.0	.2	.2	.3	.3	1.2	1.0	1.3	1.5	.4	.2	.1	.7	1.3	1.8	1.6	1.2	1.1
110.	.0	.0	.0	.0	.2	.2	.3	1.1	1.1	1.3	1.5	.6	.2	.2	.8	1.4	1.8	1.4	1.0	.8
115.	.0	.0	.0	.1	.0	.0	.1	1.1	1.0	1.4	1.5	.7	.2	.2	.8	1.4	1.9	1.6	1.0	.6
120.	.0	.0	.0	.1	.0	.0	.1	1.0	1.0	1.3	1.4	.6	.2	.2	.8	1.6	1.7	1.4	.8	.7
125.	.0	.0	.0	.1	.0	.0	.1	1.0	1.0	1.3	1.3	.5	.3	.2	.8	1.6	1.7	1.3	.7	.7
130.	.0	.0	.0	.1	.0	.0	.1	1.0	.9	1.2	1.3	.5	.4	.3	.9	1.6	1.7	1.3	.7	.6
135.	.0	.0	.0	.1	.0	.0	.1	.8	.8	1.1	1.2	.5	.3	.3	.8	1.6	1.7	1.4	.7	.6
140.	.0	.0	.0	.1	.0	.0	.1	.8	.8	1.1	1.1	.5	.3	.2	.9	1.7	1.7	1.2	.7	.6
145.	.0	.0	.0	.1	.0	.0	.1	.8	.8	1.1	1.1	.5	.3	.2	1.0	1.8	1.8	1.2	.7	.5
150.	.0	.0	.1	.1	.0	.0	.1	.8	.9	1.1	1.1	.6	.5	.2	1.2	1.9	1.7	1.1	.7	.5
155.	.1	.1	.1	.3	.0	.0	.0	.8	.9	1.1	1.1	.6	.6	.3	1.3	1.8	1.5	1.1	.7	.6
160.	.3	.1	.2	.3	.0	.0	.0	.8	.9	1.1	1.2	.6	.6	.4	1.1	1.8	1.2	1.2	.8	.7
165.	.4	.2	.2	.5	.0	.0	.0	.8	1.0	1.1	1.2	.8	.8	.5	1.1	1.5	1.2	1.3	.7	.6
170.	.5	.4	.5	.8	.0	.0	.0	.8	1.0	1.1	1.2	1.0	1.0	.9	1.1	1.2	1.0	1.2	.7	.4
175.	.8	.5	.7	1.0	.1	.0	.0	.8	1.0	1.2	1.7	1.2	1.1	.8	1.2	1.0	1.1	1.1	.6	.4
180.	.8	.6	.8	1.1	.3	.0	.0	.8	1.1	1.3	1.7	1.5	1.4	1.0	1.0	.8	.8	1.0	.4	.4
185.	.9	.7	1.0	1.2	.3	.1	.0	.7	1.2	1.4	1.6	1.5	1.4	1.1	.7	.7	.5	.7	.4	.4
190.	1.0	.8	1.0	1.1	.4	.2	.0	.9	1.4	1.5	1.5	1.4	1.5	1.1	.3	.5	.5	.6	.4	.4
195.	.9	.8	.9	1.0	.4	.3	.0	.8	1.4	1.5	1.5	1.3	1.5	.9	.1	.1	.2	.4	.4	.4
200.	.9	.7	.8	1.0	.3	.3	.1	.9	1.2	1.4	1.2	1.3	1.6	.8	.2	.1	.2	.4	.4	.4
205.	.9	.8	.8	1.0	.4	.2	.1	.8	1.2	1.5	1.3	1.5	1.6	.7	.2	.2	.2	.4	.5	.4

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JOB: S7 Lombard & Light BDAM35 RUN: Site 7 Build AM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.8	.6	.8	.9	.3	.2	.1	.9	1.3	1.4	1.0	1.4	1.6	.7	.2	.2	.2	.4	.4	.4
215.	.7	.6	.8	.9	.3	.2	.2	1.0	1.3	1.4	1.0	1.5	1.6	.7	.2	.1	.2	.4	.4	.4
220.	.8	.6	.7	.8	.4	.2	.1	1.0	1.4	1.6	1.1	1.6	1.6	.7	.1	.1	.2	.4	.5	.4
225.	.7	.6	.7	.7	.3	.2	.1	1.0	1.4	1.4	1.0	1.6	1.5	.5	.1	.1	.2	.4	.5	.4
230.	.7	.6	.7	.7	.3	.2	.1	1.0	1.5	1.4	1.0	1.4	1.4	.5	.1	.1	.2	.5	.4	.5
235.	.6	.6	.7	.7	.4	.2	.1	1.2	1.5	1.3	1.0	1.5	1.3	.6	.1	.2	.1	.5	.5	.5
240.	.7	.5	.6	.6	.4	.3	.1	1.3	1.5	1.1	1.1	1.5	1.3	.5	.0	.2	.1	.5	.5	.6
245.	.6	.5	.7	.6	.4	.4	.2	1.3	1.5	1.1	1.0	1.4	1.2	.5	.0	.1	.2	.6	.6	.5
250.	.7	.5	.6	.6	.4	.4	.3	1.3	1.3	1.1	1.0	1.4	1.1	.5	.0	.1	.2	.6	.6	.5
255.	.6	.5	.7	.6	.4	.5	.5	1.1	1.1	1.2	1.0	1.5	1.0	.5	.0	.1	.2	.6	.5	.6
260.	.6	.5	.6	.8	.8	.8	.8	.9	1.3	1.0	1.0	1.5	.9	.5	.0	.0	.1	.5	.4	.5
265.	.6	.6	.6	1.0	.8	1.1	1.1	1.0	.9	1.0	.9	1.4	.8	.5	.0	.0	.1	.5	.4	.4
270.	.6	.6	.6	1.0	1.1	1.3	1.4	.6	.8	.8	.9	1.3	.9	.5	.0	.0	.0	.3	.3	.3
275.	.6	.6	.8	1.1	1.3	1.5	1.5	.4	.6	.6	.8	1.3	.7	.5	.0	.0	.0	.3	.2	.2
280.	.6	.5	.8	1.0	1.5	1.5	1.6	.1	.4	.5	.9	1.2	.6	.5	.0	.0	.0	.1	.2	.2
285.	.6	.6	.8	.9	1.4	1.8	1.6	.1	.4	.5	.9	1.2	.6	.5	.0	.0	.0	.0	.0	.0
290.	.6	.8	.8	1.1	1.6	1.9	1.6	.1	.3	.5	1.0	1.2	.5	.5	.0	.0	.0	.0	.0	.0
295.	.6	.7	.8	1.1	1.7	2.0	1.5	.1	.3	.6	1.1	1.3	.6	.5	.0	.0	.0	.0	.0	.0
300.	.6	.6	.8	1.0	1.6	2.0	1.4	.0	.3	.6	1.1	1.2	.6	.5	.0	.0	.0	.0	.0	.0
305.	.7	.7	.8	1.0	1.7	1.9	1.4	.1	.2	.5	1.3	1.2	.6	.6	.0	.0	.0	.0	.0	.0
310.	.7	.8	.9	1.0	1.9	1.9	1.2	.1	.2	.5	1.3	1.2	.6	.6	.1	.0	.0	.0	.0	.0
315.	.7	.9	.9	1.2	1.9	1.9	1.3	.1	.2	.5	1.4	1.3	.5	.6	.1	.0	.0	.0	.0	.0
320.	.7	.7	.9	1.3	1.7	1.7	1.2	.1	.1	.4	1.4	1.3	.5	.6	.1	.0	.0	.0	.0	.0
325.	.8	.8	.9	1.5	1.7	1.6	1.1	.0	.1	.5	1.3	1.4	.6	.7	.1	.0	.0	.0	.0	.0
330.	.8	.9	1.0	1.5	1.8	1.4	1.0	.0	.1	.4	1.3	1.3	.6	.7	.1	.0	.0	.0	.0	.0
335.	.9	.8	1.1	1.7	1.8	1.3	1.1	.0	.1	.3	1.4	1.2	.5	.7	.1	.0	.0	.0	.0	.0
340.	.9	1.0	1.3	1.7	1.7	1.5	1.0	.0	.1	.3	1.5	1.3	.6	.8	.3	.2	.1	.1	.0	.0
345.	1.0	1.0	1.4	1.8	1.6	1.3	.9	.0	.0	.2	1.4	1.2	.7	.8	.4	.3	.3	.4	.0	.0
350.	.9	1.1	1.4	1.9	1.5	1.3	1.0	.0	.0	.1	1.2	1.0	.7	.7	.6	.5	.5	.6	.0	.0

355.	*	.8	1.2	1.5	1.9	1.3	1.3	1.0	.0	.0	.0	.9	.9	.5	.7	.7	.6	.7	.7	.0	.0
360.	*	.7	.9	1.3	1.8	1.3	1.4	1.0	.0	.0	.0	.7	.7	.4	.6	.8	.8	.8	1.0	.2	.0
MAX	*	1.0	1.2	1.5	1.9	1.9	2.0	1.6	1.3	1.5	1.6	1.7	1.6	1.6	1.1	1.3	1.9	1.9	1.9	1.3	1.2
DEGR.	*	190	355	355	350	310	295	280	240	230	220	175	220	220	185	155	150	115	95	100	100

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JOB: S7 Lombard & Light BDAM35 RUN: Site 7 Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.5	.5	.7	1.3	1.0	1.1	.7
5.	*	.0	.5	.5	.7	1.3	1.1	1.1	.8
10.	*	.0	.5	.6	.8	1.4	1.2	1.0	.9
15.	*	.0	.5	.6	.8	1.5	1.0	1.1	.8
20.	*	.0	.5	.6	1.0	1.4	1.1	1.3	1.0
25.	*	.0	.5	.6	1.0	1.1	1.2	1.3	.9
30.	*	.1	.6	.8	.9	1.2	1.2	1.2	.8
35.	*	.1	.6	.8	1.0	1.1	1.3	1.1	.8
40.	*	.1	.6	.8	1.0	1.2	1.0	1.1	.8
45.	*	.1	.6	.9	.9	1.2	1.0	1.1	.8
50.	*	.0	.7	.9	.9	1.2	1.1	1.1	.8
55.	*	.0	.7	1.0	1.0	1.2	1.2	1.0	.8
60.	*	.1	.7	.9	1.1	1.5	1.1	.8	.8
65.	*	.1	.9	.9	1.2	1.4	1.3	1.0	.8
70.	*	.2	.9	1.3	1.4	1.7	1.4	.9	.7
75.	*	.4	.9	1.4	1.5	1.9	1.1	.9	.7
80.	*	.4	1.1	1.3	1.3	2.0	.9	.8	.6
85.	*	.6	1.0	1.3	1.4	2.1	.9	.7	.6
90.	*	.8	.9	1.3	1.3	1.8	.8	.7	.6
95.	*	.8	.7	1.1	1.2	1.4	.7	.6	.6
100.	*	.7	.5	.6	1.1	1.3	.6	.6	.6
105.	*	.8	.4	.6	.7	.9	.6	.6	.6
110.	*	.7	.4	.5	.6	.7	.6	.6	.6
115.	*	.7	.2	.3	.4	.6	.6	.6	.6
120.	*	.7	.2	.3	.5	.6	.6	.6	.6
125.	*	.6	.2	.3	.4	.6	.7	.6	.7
130.	*	.5	.2	.4	.4	.6	.7	.7	.7
135.	*	.5	.2	.3	.5	.7	.7	.7	.8
140.	*	.5	.3	.3	.4	.7	.7	.7	.7
145.	*	.5	.2	.3	.4	.7	.8	.8	.8
150.	*	.4	.1	.2	.3	.8	.7	.9	.9
155.	*	.5	.1	.3	.3	.7	.8	.9	.8
160.	*	.4	.0	.3	.4	.9	.9	1.0	.8
165.	*	.4	.0	.2	.4	.9	.9	.9	.9
170.	*	.4	.0	.1	.3	.8	.9	.9	.9
175.	*	.4	.0	.0	.2	.7	.8	.8	.7
180.	*	.4	.0	.0	.0	.6	.6	.7	.6
185.	*	.4	.0	.0	.0	.3	.6	.6	.4
190.	*	.4	.0	.0	.0	.2	.2	.4	.3
195.	*	.4	.0	.0	.0	.1	.1	.2	.2
200.	*	.5	.0	.0	.0	.0	.1	.1	.0
205.	*	.4	.0	.0	.0	.0	.0	.1	.0

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JOB: S7 Lombard & Light BDAM35 RUN: Site 7 Build AM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.4	.0	.1	.0	.0	.0	.1	.0
215.	*	.4	.0	.1	.0	.0	.0	.1	.0
220.	*	.5	.0	.1	.0	.0	.0	.1	.0
225.	*	.4	.0	.1	.0	.0	.0	.1	.0
230.	*	.4	.0	.1	.0	.0	.0	.1	.0
235.	*	.5	.0	.1	.1	.0	.0	.0	.0
240.	*	.5	.1	.1	.2	.1	.0	.0	.0
245.	*	.5	.2	.2	.2	.1	.0	.0	.0
250.	*	.6	.3	.2	.3	.2	.0	.0	.0
255.	*	.5	.3	.4	.5	.2	.0	.0	.0
260.	*	.5	.5	.5	.6	.4	.0	.0	.0
265.	*	.5	.7	.6	.8	.6	.0	.0	.0
270.	*	.4	.8	.8	.8	.6	.1	.0	.0
275.	*	.2	.8	.8	.9	.7	.2	.0	.0
280.	*	.1	.9	.8	.9	.7	.2	.1	.0
285.	*	.1	.7	.7	.9	.7	.2	.1	.0
290.	*	.0	.7	.7	.7	.6	.2	.2	.0
295.	*	.0	.8	.7	.7	.6	.2	.2	.0
300.	*	.0	.7	.6	.6	.6	.2	.2	.1

305.	*	.0	.7	.6	.6	.5	.2	.1	.1
310.	*	.0	.6	.5	.6	.5	.2	.1	.2
315.	*	.0	.6	.5	.6	.5	.2	.1	.1
320.	*	.0	.5	.5	.6	.4	.3	.1	.2
325.	*	.0	.6	.5	.5	.4	.2	.2	.2
330.	*	.0	.5	.5	.5	.4	.2	.2	.2
335.	*	.0	.5	.4	.5	.4	.3	.1	.2
340.	*	.0	.5	.4	.4	.4	.3	.2	.1
345.	*	.0	.4	.5	.4	.6	.5	.4	.3
350.	*	.0	.4	.5	.5	.8	.8	.6	.5
355.	*	.0	.5	.5	.5	1.0	.9	1.0	.7
360.	*	.0	.5	.5	.7	1.3	1.0	1.1	.7
MAX	*	.8	1.1	1.4	1.5	2.1	1.4	1.3	1.0
DEGR.	*	90	80	75	75	85	70	20	20

THE HIGHEST CONCENTRATION IS 2.10 PPM AT 85 DEGREES FROM REC25.
THE 2ND HIGHEST CONCENTRATION IS 2.00 PPM AT 295 DEGREES FROM REC6 .
THE 3RD HIGHEST CONCENTRATION IS 1.90 PPM AT 350 DEGREES FROM REC4 .

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S7 Lombard & Light BDPM21               60.0321.0.0000.000280.30480000    1    1
SE MID S                 1929.     1457.       5.0
SE 164 S                 1929.     1652.       5.0
SE 82 S                  1914.     1732.       5.0
SE CNR                   1904.     1807.       5.0
SE 82 E                  1985.     1817.       5.0
SE 164 E                 2067.     1823.       5.0
SE MID E                 2245.     1834.       5.0
NE MID E                 2240.     1915.       5.0
NE 164 E                 2066.     1906.       5.0
NE 82 E                  1985.     1903.       5.0
NE CNR                   1905.     1900.       5.0
NE 82 N                  1899.     1981.       5.0
NE 164 N                 1895.     2062.       5.0
NE MID N                 1873.     2214.       5.0
NW MID N                 1807.     2211.       5.0
NW 164 N                 1816.     2058.       5.0
NW 82 N                  1820.     1976.       5.0
NW CNR                   1824.     1896.       5.0
NW 82 W                  1743.     1890.       5.0
NW 164 W                 1662.     1886.       5.0
NW MID W                 1511.     1878.       5.0
SW MID W                 1515.     1816.       5.0
SW 164 W                 1667.     1824.       5.0
SW 82 W                  1749.     1829.       5.0
SW CNR                   1826.     1827.       5.0
SW 82 S                  1834.     1750.       5.0
SW 164 S                 1838.     1668.       5.0
SW MID S                 1845.     1474.       5.0
Site 7 Build PM 2021                     26  1   0
  1
WB        Lom       AG  2856.  1894.  2750.  1915.   2455. 8.1   0  80   30.
  1
WB        Lom       AG  2750.  1915.  2563.  1886.   2455. 8.1   0  80   30.
  1
WB        Lom       AG  2563.  1886.  2217.  1871.   2455. 8.1   0  80   30.
  1
WB        Lom thru  AG  2217.  1871.  2062.  1871.   1055. 8.1   0  56   30.
  1
WB        Lom thru  AG  2062.  1871.  1883.  1863.   1055. 8.1   0  56   30.
  2
WB        Lom thru  AG  1908.  1864.  2052.  1870.      0.  36   3
       100        45       2.0 1055   43.6  803 1 3
  1
WB        Lom left  AG  2217.  1871.  2060.  1844.   1400. 8.1   0  44   30.
  1
WB        Lom left  AG  2060.  1844.  1887.  1834.   1400. 8.1   0  44   30.
  2
WB        Lom left  AG  1911.  1835.  2052.  1844.      0.  24   2
       100        57       2.0 1400   43.6  887 1 3
  1
WB        Lom dep   AG  1883.  1863.  1719.  1850.   1195. 8.1   0  56   30.
  1
WB        Lom dep   AG  1719.  1850.  1491.  1839.   1195. 8.1   0  56   30.
  1
WB        Lom dep   AG  1491.  1839.  1129.  1842.   1195. 8.1   0  56   30.
  1
WB        Lom dep   AG  1129.  1842.   857.  1830.   1195. 8.1   0  56   30.
  1
SB        Lgt ap    AG  1787.  2858.  1811.  2537.   1490. 8.3   0  68   40.
  1
SB        Lgt ap    AG  1811.  2537.  1826.  2453.   1490. 8.3   0  68   40.
  1
SB        Lgt ap    AG  1826.  2453.  1844.  2142.   1490. 8.3   0  68   40.
  1
SB        Lgt thru  AG  1844.  2142.  1860.  2063.   1350. 8.3   0  68   40.
  1
SB        Lgt thru  AG  1860.  2063.  1871.  1875.   1350. 8.3   0  68   40.
  2
SB        Lgt thru  AG  1869.  1906.  1861.  2048.      0.  48   4
       100        62       2.0 1350   43.6 1260 1 3
  1
SB        Lgt right AG  1844.  2142.  1832.  2065.    140. 8.3   0  32   40.
  1
SB        Lgt right AG  1832.  2065.  1842.  1875.    140. 8.3   0  32   40.
  2
SB        Lgt right AG  1841.  1909.  1833.  2050.      0.  12   1
       100        71       2.0  140   43.6 1013 1 3
  1
SB        Lgt dep   AG  1871.  1875.  1877.  1701.   2750. 8.3   0  68   40.
  1
```

```
SB        Lgt dep   AG  1877.  1701.  1891.  1421.   2750. 8.3   0  80   40.
  1
SB        Lgt dep   AG  1891.  1421.  1904.  1219.   2750. 8.3   0  80   40.
  1
SB        Lgt dep   AG  1904.  1219.  1931.   863.   2750. 8.3   0  80   40.
1.0   04  1000   0Y  5  0 72
```

JOB: S7 Lombard & Light BDPM21 RUN: Site 7 Build PM 2021
DATE: 09/07/2012 TIME: 09:47:05.53

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom	*	2856.0	1894.0	2750.0	1915.0	*	108.	281.	AG	2455.	8.1	.0	80.0		
2. WB	Lom	*	2750.0	1915.0	2563.0	1886.0	*	189.	261.	AG	2455.	8.1	.0	80.0		
3. WB	Lom	*	2563.0	1886.0	2217.0	1871.0	*	346.	268.	AG	2455.	8.1	.0	80.0		
4. WB	Lom thru	*	2217.0	1871.0	2062.0	1871.0	*	155.	270.	AG	1055.	8.1	.0	56.0		
5. WB	Lom thru	*	2062.0	1871.0	1883.0	1863.0	*	179.	267.	AG	1055.	8.1	.0	56.0		
6. WB	Lom thru	*	1908.0	1864.0	2016.0	1868.5	*	108.	88.	AG	158.	100.0	.0	36.0	.86	5.5
7. WB	Lom left	*	2217.0	1871.0	2060.0	1844.0	*	159.	260.	AG	1400.	8.1	.0	44.0		
8. WB	Lom left	*	2060.0	1844.0	1887.0	1834.0	*	173.	267.	AG	1400.	8.1	.0	44.0		
9. WB	Lom left	*	1911.0	1835.0	5799.4	2083.2	*	3896.	86.	AG	133.	100.0	.0	24.0	2.03	197.9
10. WB	Lom dep	*	1883.0	1863.0	1719.0	1850.0	*	165.	265.	AG	1195.	8.1	.0	56.0		
11. WB	Lom dep	*	1719.0	1850.0	1491.0	1839.0	*	228.	267.	AG	1195.	8.1	.0	56.0		
12. WB	Lom dep	*	1491.0	1839.0	1129.0	1842.0	*	362.	270.	AG	1195.	8.1	.0	56.0		
13. WB	Lom dep	*	1129.0	1842.0	857.0	1830.0	*	272.	267.	AG	1195.	8.1	.0	56.0		
14. SB	Lgt ap	*	1787.0	2858.0	1811.0	2537.0	*	322.	176.	AG	1490.	8.3	.0	68.0		
15. SB	Lgt ap	*	1811.0	2537.0	1826.0	2453.0	*	85.	170.	AG	1490.	8.3	.0	68.0		
16. SB	Lgt ap	*	1826.0	2453.0	1844.0	2142.0	*	312.	177.	AG	1490.	8.3	.0	68.0		
17. SB	Lgt thru	*	1844.0	2142.0	1860.0	2063.0	*	81.	169.	AG	1350.	8.3	.0	68.0		
18. SB	Lgt thru	*	1860.0	2063.0	1871.0	1875.0	*	188.	177.	AG	1350.	8.3	.0	68.0		
19. SB	Lgt thru	*	1869.0	1906.0	1862.1	2028.4	*	123.	357.	AG	290.	100.0	.0	48.0	.79	6.2
20. SB	Lgt right	*	1844.0	2142.0	1832.0	2065.0	*	78.	189.	AG	140.	8.3	.0	32.0		
21. SB	Lgt right	*	1832.0	2065.0	1842.0	1875.0	*	190.	177.	AG	140.	8.3	.0	32.0		
22. SB	Lgt right	*	1841.0	1909.0	1837.9	1963.3	*	54.	357.	AG	83.	100.0	.0	12.0	.55	2.8
23. SB	Lgt dep	*	1871.0	1875.0	1877.0	1701.0	*	174.	178.	AG	2750.	8.3	.0	68.0		
24. SB	Lgt dep	*	1877.0	1701.0	1891.0	1421.0	*	280.	177.	AG	2750.	8.3	.0	80.0		
25. SB	Lgt dep	*	1891.0	1421.0	1904.0	1219.0	*	202.	176.	AG	2750.	8.3	.0	80.0		
26. SB	Lgt dep	*	1904.0	1219.0	1931.0	863.0	*	357.	176.	AG	2750.	8.3	.0	80.0		

JOB: S7 Lombard & Light BDPM21 RUN: Site 7 Build PM 2021
DATE: 09/07/2012 TIME: 09:47:05.53

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. WB	Lom thru	*	100	45	2.0	1055	803	43.60	1	3
9. WB	Lom left	*	100	57	2.0	1400	887	43.60	1	3
19. SB	Lgt thru	*	100	62	2.0	1350	1260	43.60	1	3
22. SB	Lgt right	*	100	71	2.0	140	1013	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1929.0	1457.0	5.0	*
2. SE 164 S	*	1929.0	1652.0	5.0	*
3. SE 82 S	*	1914.0	1732.0	5.0	*
4. SE CNR	*	1904.0	1807.0	5.0	*
5. SE 82 E	*	1985.0	1817.0	5.0	*
6. SE 164 E	*	2067.0	1823.0	5.0	*
7. SE MID E	*	2245.0	1834.0	5.0	*
8. NE MID E	*	2240.0	1915.0	5.0	*
9. NE 164 E	*	2066.0	1906.0	5.0	*
10. NE 82 E	*	1985.0	1903.0	5.0	*
11. NE CNR	*	1905.0	1900.0	5.0	*
12. NE 82 N	*	1899.0	1981.0	5.0	*
13. NE 164 N	*	1895.0	2062.0	5.0	*
14. NE MID N	*	1873.0	2214.0	5.0	*
15. NW MID N	*	1807.0	2211.0	5.0	*
16. NW 164 N	*	1816.0	2058.0	5.0	*
17. NW 82 N	*	1820.0	1976.0	5.0	*
18. NW CNR	*	1824.0	1896.0	5.0	*
19. NW 82 W	*	1743.0	1890.0	5.0	*
20. NW 164 W	*	1662.0	1886.0	5.0	*
21. NW MID W	*	1511.0	1878.0	5.0	*
22. SW MID W	*	1515.0	1816.0	5.0	*
23. SW 164 W	*	1667.0	1824.0	5.0	*
24. SW 82 W	*	1749.0	1829.0	5.0	*
25. SW CNR	*	1826.0	1827.0	5.0	*
26. SW 82 S	*	1834.0	1750.0	5.0	*
27. SW 164 S	*	1838.0	1668.0	5.0	*
28. SW MID S	*	1845.0	1474.0	5.0	*

JOB: S7 Lombard & Light BDPM21 RUN: Site 7 Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.6	.9	1.0	1.6	1.3	1.0	1.0	.0	.0	.0	.6	.5	.2	.4	.5	.4	.3	.8	.1	.0
5.	.5	.6	.9	1.4	1.3	1.0	1.0	.0	.0	.0	.5	.3	.2	.3	.6	.5	.5	.9	.1	.0
10.	.5	.5	.7	1.4	1.3	.9	1.0	.0	.0	.0	.2	.1	.2	.2	.6	.5	.5	1.1	.1	.0
15.	.3	.4	.5	1.3	1.3	.9	1.0	.0	.0	.0	.1	.1	.0	.1	.5	.4	.7	1.3	.1	.1
20.	.3	.4	.6	1.1	1.2	1.0	1.0	.0	.0	.0	.1	.1	.0	.1	.5	.4	.7	1.2	.1	.1
25.	.2	.4	.6	1.2	1.2	1.0	1.0	.0	.0	.0	.1	.0	.0	.1	.5	.5	.8	1.2	.3	.1
30.	.2	.2	.6	1.3	1.2	1.0	1.0	.0	.0	.0	.0	.0	.0	.1	.5	.4	.9	1.3	.3	.1
35.	.3	.3	.6	1.3	1.2	1.0	1.0	.0	.0	.0	.0	.0	.0	.1	.5	.4	.9	1.3	.2	.1
40.	.3	.2	.6	1.3	1.1	1.0	1.1	.1	.0	.0	.0	.0	.0	.0	.4	.4	.8	1.2	.3	.0
45.	.3	.3	.7	1.4	1.3	1.2	1.2	.1	.0	.0	.0	.0	.0	.0	.4	.3	.8	1.1	.3	.1
50.	.3	.3	.6	1.4	1.4	1.3	1.2	.1	.0	.0	.0	.0	.0	.0	.4	.3	.9	1.0	.4	.2
55.	.3	.3	.6	1.3	1.2	1.3	1.3	.1	.0	.0	.0	.0	.0	.0	.4	.3	.9	1.0	.4	.2
60.	.2	.2	.6	1.3	1.3	1.3	1.3	.1	.0	.0	.0	.0	.0	.0	.4	.2	.9	1.0	.4	.3
65.	.1	.2	.5	1.7	1.5	1.5	1.4	.1	.0	.0	.0	.0	.0	.0	.4	.3	.9	.9	.4	.3
70.	.1	.2	.4	1.4	1.5	1.5	1.5	.2	.1	.0	.0	.0	.0	.0	.4	.3	1.0	.7	.4	.3
75.	.1	.2	.3	1.4	1.6	1.6	1.5	.3	.2	.2	.3	.0	.0	.0	.4	.3	1.0	.9	.5	.5
80.	.1	.2	.3	1.3	1.4	1.5	1.5	.6	.4	.3	.3	.1	.0	.0	.4	.3	1.1	1.0	.8	.5
85.	.0	.1	.3	1.0	1.3	1.3	1.3	.8	.5	.7	.7	.2	.1	.0	.4	.4	1.2	1.1	1.0	.7
90.	.0	.1	.2	.8	1.0	.9	1.1	1.0	1.0	.8	.9	.2	.1	.0	.4	.4	1.2	1.4	1.1	1.1
95.	.0	.0	.1	.6	.7	.7	.8	1.1	1.0	.8	1.1	.3	.2	.1	.5	.5	1.3	1.6	1.1	1.1
100.	.0	.0	.0	.4	.5	.4	.5	1.1	.9	.9	1.1	.3	.2	.1	.5	.6	1.3	1.5	1.2	1.0
105.	.0	.0	.0	.2	.2	.3	.3	1.1	1.0	.9	1.3	.3	.2	.1	.5	.6	1.3	1.6	1.0	.7
110.	.0	.0	.0	.1	.2	.2	.3	1.0	1.0	1.0	1.3	.5	.2	.2	.6	.7	1.7	1.5	.9	.6
115.	.0	.0	.0	.1	.1	.1	.1	1.0	.9	1.0	1.3	.4	.2	.2	.6	.8	1.6	1.3	.8	.6
120.	.0	.0	.0	.1	.0	.0	.1	1.0	.9	.8	1.1	.5	.2	.2	.6	.8	1.5	1.2	.8	.6
125.	.0	.0	.0	.1	.0	.0	.1	.9	.8	.9	1.1	.5	.3	.2	.6	.8	1.5	1.2	.6	.6
130.	.0	.0	.0	.1	.0	.0	.1	.8	.7	1.0	1.1	.5	.2	.2	.7	1.0	1.6	1.2	.7	.5
135.	.0	.0	.0	.1	.0	.0	.1	.8	.7	1.0	1.1	.4	.2	.2	.6	1.3	1.6	1.1	.7	.5
140.	.0	.0	.0	.1	.0	.0	.1	.8	.7	.9	1.1	.4	.1	.1	.6	1.3	1.7	.9	.6	.5
145.	.0	.0	.0	.1	.0	.0	.1	.8	.6	.9	1.1	.4	.4	.2	.7	1.5	1.8	1.2	.7	.4
150.	.0	.0	.1	.1	.0	.0	.0	.7	.6	.9	1.0	.6	.5	.2	.7	1.5	1.8	1.1	.6	.4
155.	.1	.1	.1	.3	.0	.0	.0	.7	.6	.9	1.0	.6	.5	.2	.6	1.5	1.4	1.0	.6	.4
160.	.3	.1	.2	.3	.0	.0	.0	.7	.6	1.0	1.1	.6	.6	.3	.8	1.2	1.3	1.1	.8	.6
165.	.4	.3	.4	.5	.0	.0	.0	.7	.6	1.0	1.1	.8	.8	.5	.9	1.2	1.1	1.2	.7	.6
170.	.6	.4	.6	.9	.0	.0	.0	.7	.7	1.0	1.1	1.0	1.0	.7	.9	1.0	1.1	1.1	.6	.4
175.	.8	.5	.8	1.0	.2	.0	.0	.8	.8	1.2	1.6	1.3	1.2	.8	.7	1.0	1.0	1.0	.5	.3
180.	.9	.7	.9	1.2	.3	.0	.0	.8	.7	1.4	1.7	1.6	1.1	.8	.7	.6	.7	.9	.3	.3
185.	1.0	.8	1.0	1.2	.3	.1	.0	.7	.7	1.3	1.7	1.8	1.2	.9	.6	.5	.3	.6	.3	.3
190.	1.1	.9	1.1	1.3	.4	.2	.0	.8	.9	1.5	1.4	1.4	1.4	.9	.1	.4	.3	.5	.2	.3
195.	1.0	.9	1.0	1.1	.4	.3	.1	.9	1.1	1.4	1.5	1.4	1.4	.7	.1	.1	.1	.3	.3	.3
200.	1.0	.8	.9	1.1	.4	.3	.1	.9	.9	1.3	1.2	1.6	1.3	.6	.1	.1	.1	.3	.3	.3
205.	.9	.8	.9	1.0	.4	.3	.1	.8	.9	1.4	1.2	1.4	1.2	.5	.1	.0	.1	.3	.3	.3

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JOB: S7 Lombard & Light BDPM21 RUN: Site 7 Build PM 2021

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.8	.7	.9	1.0	.4	.3	.2	1.0	.9	1.4	1.0	1.4	1.1	.5	.1	.1	.1	.3	.3	.3
215.	.9	.7	.8	.9	.3	.2	.2	.9	.9	1.5	.9	1.4	1.0	.5	.0	.1	.2	.3	.3	.3
220.	.8	.7	.8	.9	.4	.2	.2	.9	.9	1.5	1.0	1.5	.9	.5	.0	.1	.2	.3	.3	.3
225.	.8	.6	.8	.8	.4	.3	.1	.9	1.0	1.3	1.0	1.5	.8	.4	.0	.1	.2	.3	.3	.3
230.	.7	.6	.7	.7	.4	.3	.1	1.0	1.2	1.3	.9	1.3	.7	.4	.0	.1	.1	.3	.3	.3
235.	.8	.6	.7	.7	.5	.3	.1	1.1	1.1	1.3	.8	1.4	.7	.4	.0	.1	.1	.4	.3	.3
240.	.7	.6	.7	.7	.4	.3	.1	1.2	1.1	1.2	.9	1.4	.6	.4	.0	.0	.1	.4	.4	.3
245.	.7	.6	.7	.7	.4	.4	.2	1.0	1.1	.9	.9	1.3	.4	.3	.0	.1	.1	.4	.4	.4
250.	.7	.6	.7	.7	.4	.5	.3	1.1	1.1	.9	.9	1.3	.4	.4	.0	.0	.2	.3	.4	.4
255.	.6	.6	.7	.7	.5	.5	.5	1.1	.9	1.0	.8	1.2	.4	.4	.0	.0	.2	.4	.4	.4
260.	.7	.6	.7	.7	.6	.7	.7	.9	1.0	.8	.8	1.1	.3	.4	.0	.0	.1	.4	.3	.3
265.	.7	.6	.7	.8	.8	1.1	1.0	.9	.8	.7	.8	1.2	.3	.4	.0	.0	.0	.3	.3	.3
270.	.7	.6	.7	.9	1.0	1.2	1.3	.7	.6	.6	.8	1.2	.4	.4	.0	.0	.0	.3	.2	.2
275.	.7	.6	.7	.9	1.2	1.4	1.5	.2	.5	.5	.7	1.1	.4	.4	.0	.0	.0	.1	.2	.2
280.	.6	.6	.7	.9	1.4	1.5	1.7	.1	.4	.5	.9	1.1	.3	.4	.0	.0	.0	.0	.1	.1
285.	.6	.6	.7	1.1	1.3	1.8	1.6	.1	.3	.5	.9	1.1	.3	.4	.0	.0	.0	.0	.0	.0
290.	.6	.6	.7	1.1	1.5	1.9	1.3	.1	.3	.5	.9	1.1	.3	.4	.0	.0	.0	.0	.0	.0
295.	.7	.6	.9	1.0	1.8	1.7	1.4	.0	.3	.5	1.0	1.1	.4	.4	.0	.0	.0	.0	.0	.0
300.	.7	.8	.9	1.0	1.8	1.7	1.4	.0	.2	.5	1.1	1.1	.4	.4	.0	.0	.0	.0	.0	.0
305.	.7	.8	.8	1.0	1.8	1.7	1.2	.0	.2	.4	1.2	1.0	.4	.4	.0	.0	.0	.0	.0	.0
310.	.7	.6	.8	1.0	1.7	1.7	1.2	.1	.2	.4	1.3	1.0	.5	.4	.0	.0	.0	.0	.0	.0
315.	.8	.8	.8	1.2	1.7	1.3	1.1	.1	.1	.3	1.3	1.2	.4	.4	.0	.0	.0	.0	.0	.0
320.	.8	.7	.9	1.3	1.6	1.3	1.0	.0	.1	.3	1.2	1.1	.4	.5	.1	.0	.0	.0	.0	.0
325.	.8	.8	1.0	1.4	1.6	1.3	1.0	.0	.1	.3	1.2	1.1	.5	.5	.1	.0	.0	.0	.0	.0
330.	.9	.8	1.1	1.5	1.6	1.2	1.0	.0	.1	.3	1.2	1.0	.5	.5	.1	.0	.0	.0	.0	.0
335.	1.0	.9	1.0	1.5	1.7	1.0	1.0	.0	.1	.1	1.3	.9	.4	.5	.1	.0	.0	.0	.0	.0
340.	1.0	.9	1.2	1.7	1.6	1.2	1.1	.0	.1	.1	1.3	.9	.4	.6	.2	.1	.0	.0	.0	.0
345.	.9	.8	1.3	1.7	1.5	1.0	.9	.0	.0	.1	1.2	.8	.4	.6	.2	.2	.1	.1	.0	.0
350.	1.0	.8	1.3	1.7	1.4	1.0	1.0	.0	.0	.1	1.0	.6	.4	.6	.4	.3	.2	.3	.0	.0

355. *	.9	1.0	1.3	1.8	1.3	1.0	1.0	.0	.0	.0	.9	.6	.3	.5	.5	.3	.3	.4	.0	.0
360. *	.6	.9	1.0	1.6	1.3	1.0	1.0	.0	.0	.0	.6	.5	.2	.4	.5	.4	.3	.8	.1	.0
MAX *	1.1	1.0	1.3	1.8	1.8	1.9	1.7	1.2	1.2	1.5	1.7	1.8	1.4	.9	.9	1.5	1.8	1.6	1.2	1.1
DEGR. *	190	355	345	355	295	290	280	240	230	190	180	185	190	185	165	145	150	95	100	90

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JOB: S7 Lombard & Light BDPM21 RUN: Site 7 Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.3	.3	.4	.9	.9	.9	.8
5. *	.0	.3	.3	.4	1.0	.9	1.0	.9
10. *	.0	.3	.4	.4	1.1	.9	1.0	.9
15. *	.0	.3	.4	.5	1.1	1.0	1.1	.9
20. *	.0	.3	.4	.6	1.1	1.0	1.4	1.0
25. *	.0	.3	.4	.6	1.1	1.3	1.3	1.0
30. *	.0	.3	.4	.6	1.1	1.3	1.2	.9
35. *	.1	.5	.4	.7	1.0	1.2	1.2	.8
40. *	.1	.4	.6	.7	1.1	1.1	1.1	.8
45. *	.1	.4	.6	.7	1.1	1.1	1.2	.9
50. *	.0	.4	.7	.7	1.1	1.2	.9	.9
55. *	.0	.5	.7	.8	1.2	1.3	1.0	.8
60. *	.0	.5	.8	.8	1.2	1.1	.9	.8
65. *	.1	.6	.8	1.0	1.3	1.3	.9	.7
70. *	.1	.6	.9	1.2	1.7	1.1	1.0	.7
75. *	.4	.7	1.1	1.3	1.8	1.1	1.0	.7
80. *	.4	.8	1.1	1.2	1.9	1.0	.8	.7
85. *	.4	.8	1.2	1.3	1.7	.9	.8	.7
90. *	.7	.7	1.1	1.3	1.7	.9	.8	.7
95. *	.6	.5	.9	1.1	1.5	.7	.6	.6
100. *	.6	.4	.5	.8	1.2	.6	.6	.6
105. *	.6	.4	.5	.6	.8	.6	.6	.6
110. *	.4	.3	.4	.5	.8	.7	.6	.6
115. *	.5	.2	.3	.4	.7	.7	.6	.7
120. *	.5	.2	.3	.5	.6	.7	.7	.7
125. *	.4	.2	.3	.5	.6	.7	.7	.7
130. *	.4	.2	.4	.4	.6	.7	.7	.7
135. *	.4	.1	.2	.4	.7	.8	.8	.8
140. *	.4	.2	.2	.3	.7	.8	.8	.8
145. *	.5	.2	.3	.3	.8	.8	.8	.8
150. *	.4	.1	.2	.3	.8	.9	.9	.9
155. *	.4	.1	.3	.3	.9	.9	.9	1.0
160. *	.3	.1	.3	.4	.9	1.1	1.0	1.0
165. *	.3	.0	.2	.4	.9	1.1	1.0	1.0
170. *	.3	.0	.1	.3	.9	.9	.9	.9
175. *	.3	.0	.0	.3	.8	.9	.9	.8
180. *	.3	.0	.0	.0	.6	.7	.7	.7
185. *	.2	.0	.0	.0	.4	.6	.6	.4
190. *	.3	.0	.0	.0	.2	.2	.4	.3
195. *	.3	.0	.0	.0	.1	.1	.2	.2
200. *	.3	.0	.0	.0	.0	.1	.1	.0
205. *	.3	.0	.0	.0	.0	.0	.1	.0

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JOB: S7 Lombard & Light BDPM21 RUN: Site 7 Build PM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.3	.0	.0	.0	.0	.0	.1	.0
215. *	.3	.0	.0	.0	.0	.0	.1	.0
220. *	.3	.0	.0	.0	.0	.0	.1	.0
225. *	.3	.0	.1	.0	.0	.0	.1	.0
230. *	.3	.0	.1	.0	.0	.0	.1	.0
235. *	.4	.0	.1	.0	.0	.0	.1	.0
240. *	.4	.0	.1	.1	.0	.0	.0	.0
245. *	.3	.1	.1	.2	.0	.0	.0	.0
250. *	.3	.2	.2	.2	.1	.0	.0	.0
255. *	.3	.3	.3	.3	.2	.0	.0	.0
260. *	.3	.3	.4	.5	.2	.0	.0	.0
265. *	.3	.4	.4	.6	.4	.0	.0	.0
270. *	.2	.4	.5	.6	.4	.0	.0	.0
275. *	.2	.5	.5	.6	.5	.1	.0	.0
280. *	.1	.6	.5	.6	.5	.2	.0	.0
285. *	.1	.6	.5	.6	.4	.2	.0	.0
290. *	.0	.6	.5	.5	.4	.1	.1	.0
295. *	.0	.5	.4	.5	.4	.1	.1	.0
300. *	.0	.5	.4	.4	.4	.1	.1	.0

305.	*	.0	.4	.4	.4	.3	.2	.1	.1
310.	*	.0	.4	.4	.5	.3	.2	.1	.1
315.	*	.0	.4	.4	.4	.3	.2	.1	.1
320.	*	.0	.4	.3	.4	.3	.1	.1	.1
325.	*	.0	.3	.3	.4	.3	.1	.1	.1
330.	*	.0	.4	.3	.4	.3	.1	.1	.1
335.	*	.0	.4	.3	.3	.3	.2	.1	.1
340.	*	.0	.3	.3	.3	.3	.2	.2	.2
345.	*	.0	.3	.3	.3	.4	.3	.3	.3
350.	*	.0	.3	.3	.3	.6	.5	.5	.4
355.	*	.0	.3	.3	.3	.7	.7	.8	.7
360.	*	.0	.3	.3	.4	.9	.9	.9	.8
MAX	*	.7	.8	1.2	1.3	1.9	1.3	1.4	1.0
DEGR.	*	90	80	85	75	80	25	20	20

THE HIGHEST CONCENTRATION IS 1.90 PPM AT 290 DEGREES FROM REC6 .
THE 2ND HIGHEST CONCENTRATION IS 1.90 PPM AT 80 DEGREES FROM REC25.
THE 3RD HIGHEST CONCENTRATION IS 1.80 PPM AT 355 DEGREES FROM REC4 .

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S7 Lombard & Light BDPM35               60.0321.0.0000.000280.30480000    1    1
SE MID S                 1929.     1457.       5.0
SE 164 S                 1929.     1652.       5.0
SE 82 S                  1914.     1732.       5.0
SE CNR                   1904.     1807.       5.0
SE 82 E                  1985.     1817.       5.0
SE 164 E                 2067.     1823.       5.0
SE MID E                 2245.     1834.       5.0
NE MID E                 2240.     1915.       5.0
NE 164 E                 2066.     1906.       5.0
NE 82 E                  1985.     1903.       5.0
NE CNR                   1905.     1900.       5.0
NE 82 N                  1899.     1981.       5.0
NE 164 N                 1895.     2062.       5.0
NE MID N                 1873.     2214.       5.0
NW MID N                 1807.     2211.       5.0
NW 164 N                 1816.     2058.       5.0
NW 82 N                  1820.     1976.       5.0
NW CNR                   1824.     1896.       5.0
NW 82 W                  1743.     1890.       5.0
NW 164 W                 1662.     1886.       5.0
NW MID W                 1511.     1878.       5.0
SW MID W                 1515.     1816.       5.0
SW 164 W                 1667.     1824.       5.0
SW 82 W                  1749.     1829.       5.0
SW CNR                   1826.     1827.       5.0
SW 82 S                  1834.     1750.       5.0
SW 164 S                 1838.     1668.       5.0
SW MID S                 1845.     1474.       5.0
Site 7 Build PM 2035                     26  1   0
  1
WB        Lom       AG  2856.  1894.  2750.  1915.   2735. 7.8   0  80   30.
  1
WB        Lom       AG  2750.  1915.  2563.  1886.   2735. 7.8   0  80   30.
  1
WB        Lom       AG  2563.  1886.  2217.  1871.   2735. 7.8   0  80   30.
  1
WB        Lom thru  AG  2217.  1871.  2062.  1871.   1300. 7.8   0  56   30.
  1
WB        Lom thru  AG  2062.  1871.  1883.  1863.   1300. 7.8   0  56   30.
  2
WB        Lom thru  AG  1908.  1864.  2052.  1870.      0.  36   3
       100        45       2.0 1300   42.1  833 1 3
  1
WB        Lom left  AG  2217.  1871.  2060.  1844.   1435. 7.8   0  44   30.
  1
WB        Lom left  AG  2060.  1844.  1887.  1834.   1435. 7.8   0  44   30.
  2
WB        Lom left  AG  1911.  1835.  2052.  1844.      0.  24   2
       100        57       2.0 1435   42.1  887 1 3
  1
WB        Lom dep   AG  1883.  1863.  1719.  1850.   1455. 7.8   0  56   30.
  1
WB        Lom dep   AG  1719.  1850.  1491.  1839.   1455. 7.8   0  56   30.
  1
WB        Lom dep   AG  1491.  1839.  1129.  1842.   1455. 7.8   0  56   30.
  1
WB        Lom dep   AG  1129.  1842.   857.  1830.   1455. 7.8   0  56   30.
  1
SB        Lgt ap    AG  1787.  2858.  1811.  2537.   1530. 8.1   0  68   40.
  1
SB        Lgt ap    AG  1811.  2537.  1826.  2453.   1530. 8.1   0  68   40.
  1
SB        Lgt ap    AG  1826.  2453.  1844.  2142.   1530. 8.1   0  68   40.
  1
SB        Lgt thru  AG  1844.  2142.  1860.  2063.   1375. 8.1   0  68   40.
  1
SB        Lgt thru  AG  1860.  2063.  1871.  1875.   1375. 8.1   0  68   40.
  2
SB        Lgt thru  AG  1869.  1906.  1861.  2048.      0.  48   4
       100        62       2.0 1375   42.1 1260 1 3
  1
SB        Lgt right AG  1844.  2142.  1832.  2065.    155. 8.1   0  32   40.
  1
SB        Lgt right AG  1832.  2065.  1842.  1875.    155. 8.1   0  32   40.
  2
SB        Lgt right AG  1841.  1909.  1833.  2050.      0.  12   1
       100        71       2.0  155   42.1 1013 1 3
  1
SB        Lgt dep   AG  1871.  1875.  1877.  1701.   2810. 8.1   0  68   40.
  1
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SB        Lgt dep   AG  1877.  1701.  1891.  1421.   2810. 8.1   0  80   40.
  1
SB        Lgt dep   AG  1891.  1421.  1904.  1219.   2810. 8.1   0  80   40.
  1
SB        Lgt dep   AG  1904.  1219.  1931.   863.   2810. 8.1   0  80   40.
1.0   04  1000   0Y  5  0 72
```

JOB: S7 Lombard & Light BDPM35 RUN: Site 7 Build PM 2035
DATE: 09/07/2012 TIME: 09:48:15.45

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom	*	2856.0	1894.0	2750.0	1915.0	*	108.	281.	AG	2735.	7.8	.0	80.0		
2. WB	Lom	*	2750.0	1915.0	2563.0	1886.0	*	189.	261.	AG	2735.	7.8	.0	80.0		
3. WB	Lom	*	2563.0	1886.0	2217.0	1871.0	*	346.	268.	AG	2735.	7.8	.0	80.0		
4. WB	Lom thru	*	2217.0	1871.0	2062.0	1871.0	*	155.	270.	AG	1300.	7.8	.0	56.0		
5. WB	Lom thru	*	2062.0	1871.0	1883.0	1863.0	*	179.	267.	AG	1300.	7.8	.0	56.0		
6. WB	Lom thru	*	1908.0	1864.0	2205.7	1876.4	*	298.	88.	AG	152.	100.0	.0	36.0	1.02	15.1
7. WB	Lom left	*	2217.0	1871.0	2060.0	1844.0	*	159.	260.	AG	1435.	7.8	.0	44.0		
8. WB	Lom left	*	2060.0	1844.0	1887.0	1834.0	*	173.	267.	AG	1435.	7.8	.0	44.0		
9. WB	Lom left	*	1911.0	1835.0	5976.2	2094.5	*	4073.	86.	AG	129.	100.0	.0	24.0	2.08	206.9
10. WB	Lom dep	*	1883.0	1863.0	1719.0	1850.0	*	165.	265.	AG	1455.	7.8	.0	56.0		
11. WB	Lom dep	*	1719.0	1850.0	1491.0	1839.0	*	228.	267.	AG	1455.	7.8	.0	56.0		
12. WB	Lom dep	*	1491.0	1839.0	1129.0	1842.0	*	362.	270.	AG	1455.	7.8	.0	56.0		
13. WB	Lom dep	*	1129.0	1842.0	857.0	1830.0	*	272.	267.	AG	1455.	7.8	.0	56.0		
14. SB	Lgt ap	*	1787.0	2858.0	1811.0	2537.0	*	322.	176.	AG	1530.	8.1	.0	68.0		
15. SB	Lgt ap	*	1811.0	2537.0	1826.0	2453.0	*	85.	170.	AG	1530.	8.1	.0	68.0		
16. SB	Lgt ap	*	1826.0	2453.0	1844.0	2142.0	*	312.	177.	AG	1530.	8.1	.0	68.0		
17. SB	Lgt thru	*	1844.0	2142.0	1860.0	2063.0	*	81.	169.	AG	1375.	8.1	.0	68.0		
18. SB	Lgt thru	*	1860.0	2063.0	1871.0	1875.0	*	188.	177.	AG	1375.	8.1	.0	68.0		
19. SB	Lgt thru	*	1869.0	1906.0	1861.9	2032.7	*	127.	357.	AG	280.	100.0	.0	48.0	.80	6.4
20. SB	Lgt right	*	1844.0	2142.0	1832.0	2065.0	*	78.	189.	AG	155.	8.1	.0	32.0		
21. SB	Lgt right	*	1832.0	2065.0	1842.0	1875.0	*	190.	177.	AG	155.	8.1	.0	32.0		
22. SB	Lgt right	*	1841.0	1909.0	1837.6	1969.1	*	60.	357.	AG	80.	100.0	.0	12.0	.61	3.1
23. SB	Lgt dep	*	1871.0	1875.0	1877.0	1701.0	*	174.	178.	AG	2810.	8.1	.0	68.0		
24. SB	Lgt dep	*	1877.0	1701.0	1891.0	1421.0	*	280.	177.	AG	2810.	8.1	.0	80.0		
25. SB	Lgt dep	*	1891.0	1421.0	1904.0	1219.0	*	202.	176.	AG	2810.	8.1	.0	80.0		
26. SB	Lgt dep	*	1904.0	1219.0	1931.0	863.0	*	357.	176.	AG	2810.	8.1	.0	80.0		

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JOB: S7 Lombard & Light BDPM35 RUN: Site 7 Build PM 2035
DATE: 09/07/2012 TIME: 09:48:15.45

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. WB	Lom thru	*	100	45	2.0	1300	833	42.10	1	3
9. WB	Lom left	*	100	57	2.0	1435	887	42.10	1	3
19. SB	Lgt thru	*	100	62	2.0	1375	1260	42.10	1	3
22. SB	Lgt right	*	100	71	2.0	155	1013	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1929.0	1457.0	5.0	*
2. SE 164 S	*	1929.0	1652.0	5.0	*
3. SE 82 S	*	1914.0	1732.0	5.0	*
4. SE CNR	*	1904.0	1807.0	5.0	*
5. SE 82 E	*	1985.0	1817.0	5.0	*
6. SE 164 E	*	2067.0	1823.0	5.0	*
7. SE MID E	*	2245.0	1834.0	5.0	*
8. NE MID E	*	2240.0	1915.0	5.0	*
9. NE 164 E	*	2066.0	1906.0	5.0	*
10. NE 82 E	*	1985.0	1903.0	5.0	*
11. NE CNR	*	1905.0	1900.0	5.0	*
12. NE 82 N	*	1899.0	1981.0	5.0	*
13. NE 164 N	*	1895.0	2062.0	5.0	*
14. NE MID N	*	1873.0	2214.0	5.0	*
15. NW MID N	*	1807.0	2211.0	5.0	*
16. NW 164 N	*	1816.0	2058.0	5.0	*
17. NW 82 N	*	1820.0	1976.0	5.0	*
18. NW CNR	*	1824.0	1896.0	5.0	*
19. NW 82 W	*	1743.0	1890.0	5.0	*
20. NW 164 W	*	1662.0	1886.0	5.0	*
21. NW MID W	*	1511.0	1878.0	5.0	*
22. SW MID W	*	1515.0	1816.0	5.0	*
23. SW 164 W	*	1667.0	1824.0	5.0	*
24. SW 82 W	*	1749.0	1829.0	5.0	*
25. SW CNR	*	1826.0	1827.0	5.0	*
26. SW 82 S	*	1834.0	1750.0	5.0	*
27. SW 164 S	*	1838.0	1668.0	5.0	*
28. SW MID S	*	1845.0	1474.0	5.0	*

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JOB: S7 Lombard & Light BDPM35 RUN: Site 7 Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.6	.9	1.0	1.6	1.3	1.4	1.0	.0	.0	.0	.6	.5	.2	.4	.5	.4	.3	.8	.1	.0
5.	.6	.6	.9	1.4	1.3	1.4	1.0	.0	.0	.0	.5	.3	.2	.3	.6	.5	.5	.9	.1	.0
10.	.5	.5	.7	1.3	1.3	1.3	1.0	.0	.0	.0	.2	.1	.1	.2	.6	.5	.6	1.1	.1	.0
15.	.4	.4	.5	1.3	1.3	1.2	1.0	.0	.0	.0	.1	.1	.0	.1	.5	.4	.7	1.3	.1	.1
20.	.4	.4	.6	1.1	1.3	1.3	1.0	.0	.0	.0	.1	.1	.0	.1	.5	.4	.7	1.2	.1	.1
25.	.3	.4	.6	1.2	1.3	1.3	1.0	.0	.0	.0	.1	.0	.0	.1	.5	.5	.8	1.2	.3	.1
30.	.2	.4	.6	1.3	1.3	1.3	1.1	.0	.0	.0	.0	.0	.0	.1	.5	.4	.9	1.3	.3	.1
35.	.3	.4	.7	1.3	1.3	1.4	1.1	.0	.0	.0	.0	.0	.0	.1	.5	.4	.9	1.3	.3	.1
40.	.3	.4	.7	1.3	1.3	1.4	1.1	.1	.0	.0	.0	.0	.0	.0	.4	.4	.9	1.3	.3	.0
45.	.3	.5	.8	1.3	1.5	1.6	1.1	.1	.0	.0	.0	.0	.0	.0	.4	.3	.9	1.2	.3	.1
50.	.3	.4	.8	1.4	1.7	1.7	1.3	.1	.0	.0	.0	.0	.0	.0	.4	.3	.9	1.0	.4	.2
55.	.3	.3	.7	1.4	1.7	1.7	1.3	.1	.0	.0	.0	.0	.0	.0	.4	.3	.9	1.0	.4	.2
60.	.2	.2	.7	1.5	1.6	1.7	1.3	.1	.0	.0	.0	.0	.0	.0	.4	.2	.9	.9	.4	.3
65.	.1	.2	.6	1.8	1.7	1.8	1.5	.1	.0	.0	.0	.0	.0	.0	.4	.3	.9	.9	.4	.3
70.	.1	.2	.6	1.7	1.9	1.8	1.6	.2	.1	.0	.0	.0	.0	.0	.4	.3	1.0	.7	.4	.3
75.	.1	.2	.3	1.5	1.8	1.7	1.6	.4	.3	.3	.4	.0	.0	.0	.4	.3	1.0	1.0	.6	.5
80.	.1	.2	.3	1.4	1.6	1.6	1.5	.6	.5	.5	.4	.1	.0	.0	.4	.3	1.1	1.0	.8	.6
85.	.0	.1	.3	1.2	1.4	1.4	1.3	.8	.7	.9	.8	.2	.1	.0	.4	.4	1.2	1.2	1.0	.9
90.	.0	.1	.2	.8	1.1	1.0	1.1	1.0	1.2	1.0	1.0	.2	.1	.0	.4	.4	1.2	1.7	1.2	1.2
95.	.0	.0	.1	.5	.8	.7	.9	1.1	1.2	1.3	1.4	.3	.2	.1	.5	.6	1.4	1.8	1.3	1.1
100.	.0	.0	.0	.3	.5	.4	.5	1.2	1.3	1.4	1.4	.4	.2	.1	.5	.6	1.5	1.7	1.3	.9
105.	.0	.0	.0	.2	.2	.3	.3	1.2	1.4	1.4	1.5	.5	.2	.1	.5	.7	1.6	1.6	1.1	1.0
110.	.0	.0	.0	.1	.1	.2	.3	1.1	1.4	1.5	1.5	.6	.2	.2	.6	.8	1.8	1.5	.9	.8
115.	.0	.0	.0	.1	.1	.1	.1	1.1	1.4	1.5	1.3	.6	.3	.2	.6	.9	1.7	1.5	1.1	.6
120.	.0	.0	.0	.1	.0	.0	.1	1.1	1.2	1.3	1.2	.7	.3	.2	.6	1.0	1.6	1.2	.9	.7
125.	.0	.0	.0	.1	.0	.0	.1	.9	1.2	1.3	1.2	.6	.4	.2	.6	.9	1.7	1.2	.7	.6
130.	.0	.0	.0	.1	.0	.0	.1	.9	1.1	1.2	1.1	.6	.5	.2	.7	1.2	1.7	1.3	.7	.6
135.	.0	.0	.0	.1	.0	.0	.1	.9	1.1	1.2	1.1	.5	.2	.2	.7	1.3	1.7	1.2	.7	.6
140.	.0	.0	.0	.1	.0	.0	.1	.8	1.1	1.1	1.1	.5	.3	.2	.7	1.4	1.7	1.0	.6	.7
145.	.0	.0	.0	.1	.0	.0	.1	.8	1.1	1.1	1.1	.5	.4	.3	.8	1.5	1.8	1.2	.7	.5
150.	.0	.0	.1	.1	.0	.0	.1	.8	1.1	1.1	1.1	.6	.5	.3	.8	1.5	1.8	1.1	.6	.5
155.	.1	.1	.1	.3	.0	.0	.0	.8	1.1	1.1	1.1	.6	.5	.3	.7	1.5	1.5	1.0	.6	.5
160.	.3	.1	.2	.3	.0	.0	.0	.8	1.1	1.1	1.2	.6	.6	.4	.9	1.3	1.3	1.0	.8	.6
165.	.4	.3	.4	.5	.0	.0	.0	.8	1.0	1.1	1.2	.8	.8	.6	.9	1.2	1.1	1.2	.7	.6
170.	.6	.4	.6	.9	.0	.0	.0	.8	1.1	1.1	1.2	1.0	1.0	.8	.9	1.0	1.2	1.1	.6	.4
175.	.8	.5	.8	1.0	.2	.0	.0	.8	1.2	1.2	1.7	1.3	1.2	.8	.7	.9	1.0	1.0	.5	.3
180.	.9	.6	.9	1.2	.3	.0	.0	.8	1.1	1.4	1.8	1.6	1.1	.8	.7	.6	.7	.9	.3	.3
185.	1.0	.8	1.0	1.2	.3	.1	.0	.8	1.2	1.4	1.8	1.6	1.3	.9	.6	.5	.4	.6	.3	.3
190.	1.1	.9	1.1	1.3	.4	.2	.0	.8	1.4	1.6	1.6	1.4	1.4	.9	.1	.3	.3	.5	.3	.3
195.	1.0	.9	1.0	1.1	.4	.3	.1	.9	1.5	1.5	1.4	1.4	1.4	.7	.1	.1	.1	.3	.4	.3
200.	1.0	.8	.9	1.1	.4	.3	.1	1.0	1.3	1.4	1.2	1.4	1.3	.6	.1	.1	.1	.3	.3	.3
205.	.9	.8	.9	1.0	.4	.3	.1	1.0	1.3	1.5	1.2	1.4	1.3	.5	.1	.2	.1	.3	.3	.3

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JOB: S7 Lombard & Light BDPM35 RUN: Site 7 Build PM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.8	.7	.9	1.0	.4	.3	.2	1.1	1.4	1.4	1.2	1.4	1.1	.5	.1	.1	.1	.3	.4	.3
215.	.9	.7	.8	.9	.3	.2	.2	1.1	1.3	1.5	1.0	1.4	1.1	.5	.0	.1	.2	.3	.4	.3
220.	.8	.7	.8	.9	.4	.2	.2	1.2	1.3	1.4	1.0	1.5	1.1	.5	.0	.1	.2	.3	.3	.3
225.	.8	.6	.8	.8	.4	.2	.1	1.1	1.3	1.3	1.0	1.4	.9	.4	.0	.1	.2	.4	.3	.4
230.	.7	.6	.7	.7	.3	.3	.1	1.3	1.5	1.4	1.0	1.4	.8	.4	.0	.1	.1	.4	.4	.4
235.	.8	.6	.7	.7	.5	.2	.1	1.4	1.3	1.2	.9	1.4	.7	.4	.0	.1	.1	.4	.4	.4
240.	.7	.6	.7	.7	.4	.3	.1	1.6	1.3	1.2	.9	1.4	.7	.4	.0	.1	.1	.4	.4	.5
245.	.7	.6	.7	.7	.4	.4	.2	1.5	1.3	1.0	.9	1.3	.5	.3	.0	.1	.2	.4	.4	.5
250.	.7	.6	.7	.7	.4	.5	.3	1.5	1.2	1.1	1.0	1.3	.4	.4	.0	.1	.2	.5	.5	.4
255.	.6	.6	.7	.7	.5	.5	.6	1.4	1.0	1.0	.9	1.4	.5	.4	.0	.0	.2	.5	.4	.4
260.	.7	.6	.7	.7	.7	.7	.8	1.1	1.3	.8	.9	1.2	.3	.4	.0	.0	.1	.5	.4	.4
265.	.7	.6	.7	.9	.9	1.1	1.3	1.1	.9	.8	.9	1.2	.3	.4	.0	.0	.0	.3	.3	.3
270.	.7	.6	.7	1.0	.9	1.3	1.4	.8	.7	.7	.8	1.1	.4	.4	.0	.0	.0	.3	.3	.2
275.	.7	.6	.7	1.0	1.2	1.5	1.6	.3	.5	.5	.8	1.1	.3	.4	.0	.0	.0	.2	.2	.2
280.	.6	.6	.8	1.1	1.4	1.5	1.9	.2	.4	.5	.8	1.1	.3	.4	.0	.0	.0	.0	.1	.2
285.	.6	.6	.8	1.1	1.4	1.8	1.9	.1	.3	.5	.9	1.1	.3	.4	.0	.0	.0	.0	.0	.0
290.	.6	.6	.7	1.1	1.5	2.1	2.0	.1	.3	.5	.9	1.1	.3	.4	.0	.0	.0	.0	.0	.0
295.	.7	.7	.8	1.1	1.7	1.9	1.8	.0	.3	.5	1.0	1.1	.4	.4	.0	.0	.0	.0	.0	.0
300.	.7	.8	.9	1.0	1.8	1.8	1.7	.0	.2	.5	1.0	1.1	.4	.4	.0	.0	.0	.0	.0	.0
305.	.7	.8	.9	1.0	1.7	2.0	1.5	.0	.2	.4	1.2	1.0	.4	.4	.0	.0	.0	.0	.0	.0
310.	.7	.7	.8	1.0	1.8	1.8	1.3	.1	.2	.4	1.2	1.0	.5	.4	.0	.0	.0	.0	.0	.0
315.	.8	.8	.8	1.2	1.7	1.7	1.3	.1	.2	.3	1.3	1.2	.4	.4	.0	.0	.0	.0	.0	.0
320.	.8	.7	.9	1.3	1.6	1.5	1.3	.0	.1	.3	1.2	1.0	.4	.5	.1	.0	.0	.0	.0	.0
325.	.8	.8	1.0	1.5	1.6	1.5	1.1	.0	.1	.3	1.2	1.1	.5	.5	.1	.0	.0	.0	.0	.0
330.	.8	.8	1.1	1.6	1.6	1.4	1.1	.0	.1	.3	1.2	1.0	.5	.5	.1	.0	.0	.0	.0	.0
335.	1.0	.8	1.0	1.5	1.7	1.3	1.2	.0	.1	.2	1.3	1.0	.4	.5	.1	.0	.0	.0	.0	.0
340.	1.0	.9	1.2	1.7	1.6	1.5	1.1	.0	.1	.1	1.3	.9	.4	.6	.2	.1	.0	.0	.0	.0
345.	.9	.9	1.4	1.6	1.5	1.4	1.0	.0	.0	.1	1.2	.8	.4	.6	.2	.2	.1	.1	.0	.0
350.	1.0	.9	1.4	1.8	1.4	1.3	1.0	.0	.0	.1	1.0	.6	.4	.6	.4	.3	.2	.3	.0	.0

355. *	.9	1.0	1.3	1.8	1.3	1.3	1.0	.0	.0	.0	.9	.6	.3	.5	.5	.3	.3	.4	.0	.0
360. *	.6	.9	1.0	1.6	1.3	1.4	1.0	.0	.0	.0	.6	.5	.2	.4	.5	.4	.3	.8	.1	.0
MAX *	1.1	1.0	1.4	1.8	1.9	2.1	2.0	1.6	1.5	1.6	1.8	1.6	1.4	.9	.9	1.5	1.8	1.8	1.3	1.2
DEGR. *	190	355	350	350	70	290	290	240	195	190	180	180	190	185	160	145	150	95	95	90

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JOB: S7 Lombard & Light BDPM35 RUN: Site 7 Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.4	.4	.5	1.0	1.0	.9	.8
5. *	.0	.4	.4	.5	1.1	.9	1.0	.9
10. *	.0	.4	.5	.5	1.2	.9	1.0	.9
15. *	.0	.4	.5	.6	1.1	1.0	1.1	1.0
20. *	.0	.4	.5	.7	1.1	1.1	1.4	1.0
25. *	.0	.4	.5	.7	1.0	1.3	1.3	1.1
30. *	.0	.4	.5	.7	1.1	1.3	1.2	1.0
35. *	.1	.5	.5	.7	1.0	1.1	1.2	.9
40. *	.1	.4	.7	.7	1.2	1.1	1.1	.9
45. *	.1	.5	.7	.8	1.1	1.2	1.2	.9
50. *	.0	.5	.8	.8	1.1	1.3	1.0	.9
55. *	.0	.6	.8	.9	1.2	1.4	1.1	.8
60. *	.1	.6	.7	1.0	1.5	1.3	1.0	.8
65. *	.1	.6	.8	1.1	1.4	1.4	1.0	.8
70. *	.1	.7	1.0	1.3	1.8	1.4	1.0	.7
75. *	.4	.9	1.3	1.5	1.9	1.2	.9	.7
80. *	.3	1.1	1.2	1.3	2.1	1.1	.8	.7
85. *	.7	1.0	1.3	1.5	2.1	.9	.8	.7
90. *	.8	.9	1.2	1.2	1.8	.9	.8	.7
95. *	.8	.6	1.0	1.2	1.5	.7	.6	.6
100. *	.7	.5	.7	.8	1.4	.6	.6	.6
105. *	.7	.4	.5	.7	.9	.6	.6	.6
110. *	.5	.3	.4	.5	.8	.7	.6	.6
115. *	.6	.2	.3	.4	.7	.7	.6	.7
120. *	.6	.2	.3	.5	.6	.7	.7	.7
125. *	.5	.2	.3	.5	.6	.7	.7	.7
130. *	.5	.2	.4	.4	.6	.7	.7	.7
135. *	.4	.2	.3	.5	.7	.8	.8	.8
140. *	.4	.2	.3	.3	.7	.8	.8	.8
145. *	.5	.2	.3	.3	.8	.8	.8	.8
150. *	.4	.1	.2	.3	.8	.9	.9	.9
155. *	.4	.1	.3	.3	.9	.9	.9	1.0
160. *	.3	.1	.3	.4	.9	1.1	1.0	1.0
165. *	.3	.0	.2	.4	.9	1.1	1.0	1.0
170. *	.3	.0	.1	.3	.9	.9	.9	.9
175. *	.3	.0	.0	.3	.8	.9	.9	.8
180. *	.3	.0	.0	.0	.6	.7	.7	.7
185. *	.3	.0	.0	.0	.4	.6	.6	.4
190. *	.4	.0	.0	.0	.2	.2	.4	.3
195. *	.3	.0	.0	.0	.1	.1	.2	.2
200. *	.3	.0	.0	.0	.0	.1	.1	.0
205. *	.3	.0	.0	.0	.0	.0	.1	.0

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JOB: S7 Lombard & Light BDPM35 RUN: Site 7 Build PM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.4	.0	.0	.0	.0	.0	.1	.0
215. *	.3	.0	.1	.0	.0	.0	.1	.0
220. *	.3	.0	.1	.0	.0	.0	.1	.0
225. *	.4	.0	.1	.0	.0	.0	.1	.0
230. *	.4	.0	.1	.0	.0	.0	.1	.0
235. *	.4	.0	.1	.1	.0	.0	.1	.0
240. *	.4	.0	.1	.2	.0	.0	.0	.0
245. *	.5	.2	.1	.2	.1	.0	.0	.0
250. *	.4	.2	.2	.2	.1	.0	.0	.0
255. *	.4	.3	.4	.4	.2	.0	.0	.0
260. *	.4	.4	.4	.6	.3	.0	.0	.0
265. *	.4	.5	.5	.6	.4	.0	.0	.0
270. *	.2	.7	.6	.6	.6	.0	.0	.0
275. *	.2	.7	.6	.7	.6	.2	.0	.0
280. *	.1	.6	.6	.7	.6	.2	.0	.0
285. *	.1	.6	.6	.7	.6	.2	.1	.0
290. *	.0	.6	.6	.5	.5	.2	.1	.0
295. *	.0	.6	.5	.6	.5	.1	.2	.0
300. *	.0	.5	.5	.6	.5	.1	.1	.0

305.	*	.0	.5	.5	.5	.4	.2	.1	.0
310.	*	.0	.5	.4	.5	.4	.2	.1	.1
315.	*	.0	.5	.4	.5	.4	.2	.1	.1
320.	*	.0	.5	.4	.4	.4	.1	.1	.1
325.	*	.0	.5	.4	.4	.3	.1	.2	.1
330.	*	.0	.4	.4	.4	.3	.1	.1	.1
335.	*	.0	.4	.4	.3	.3	.3	.1	.1
340.	*	.0	.4	.4	.4	.3	.3	.2	.2
345.	*	.0	.3	.4	.4	.4	.4	.3	.3
350.	*	.0	.4	.4	.4	.7	.6	.5	.4
355.	*	.0	.4	.4	.4	.8	.8	.8	.7
360.	*	.0	.4	.4	.5	1.0	1.0	.9	.8
MAX	*	.8	1.1	1.3	1.5	2.1	1.4	1.4	1.1
DEGR.	*	90	80	75	75	80	65	20	25

THE HIGHEST CONCENTRATION IS 2.10 PPM AT 80 DEGREES FROM REC25.
THE 2ND HIGHEST CONCENTRATION IS 2.10 PPM AT 290 DEGREES FROM REC6 .
THE 3RD HIGHEST CONCENTRATION IS 2.00 PPM AT 290 DEGREES FROM REC7 .

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S7 Lombard & Light EXAM                 60.0321.0.0000.000280.30480000    1    1
SE MID S                 1929.     1457.       5.0
SE 164 S                 1929.     1652.       5.0
SE 82 S                  1914.     1732.       5.0
SE CNR                   1904.     1807.       5.0
SE 82 E                  1985.     1817.       5.0
SE 164 E                 2067.     1823.       5.0
SE MID E                 2245.     1834.       5.0
NE MID E                 2240.     1915.       5.0
NE 164 E                 2066.     1906.       5.0
NE 82 E                  1985.     1903.       5.0
NE CNR                   1905.     1900.       5.0
NE 82 N                  1899.     1981.       5.0
NE 164 N                 1895.     2062.       5.0
NE MID N                 1873.     2214.       5.0
NW MID N                 1807.     2211.       5.0
NW 164 N                 1816.     2058.       5.0
NW 82 N                  1820.     1976.       5.0
NW CNR                   1824.     1896.       5.0
NW 82 W                  1743.     1890.       5.0
NW 164 W                 1662.     1886.       5.0
NW MID W                 1511.     1878.       5.0
SW MID W                 1515.     1816.       5.0
SW 164 W                 1667.     1824.       5.0
SW 82 W                  1749.     1829.       5.0
SW CNR                   1826.     1827.       5.0
SW 82 S                  1834.     1750.       5.0
SW 164 S                 1838.     1668.       5.0
SW MID S                 1845.     1474.       5.0
Site 7 Existing AM                      26  1   0
  1
WB        Lom       AG  2856.  1894.  2750.  1915.   2050.10.0   0  80   30.
  1
WB        Lom       AG  2750.  1915.  2563.  1886.   2050.10.0   0  80   30.
  1
WB        Lom       AG  2563.  1886.  2217.  1871.   2050.10.0   0  80   30.
  1
WB        Lom thru  AG  2217.  1871.  2062.  1871.   1030.10.0   0  56   30.
  1
WB        Lom thru  AG  2062.  1871.  1883.  1863.   1030.10.0   0  56   30.
  2
WB        Lom thru  AG  1908.  1864.  2052.  1870.      0.  36   3
       140        75       2.0 1030   56.4 1157 1 3
  1
WB        Lom left  AG  2217.  1871.  2060.  1844.   1020.10.0   0  44   30.
  1
WB        Lom left  AG  2060.  1844.  1887.  1834.   1020.10.0   0  44   30.
  2
WB        Lom left  AG  1911.  1835.  2052.  1844.      0.  24   2
       140        86       2.0 1020   56.4 1300 1 3
  1
WB        Lom dep   AG  1883.  1863.  1719.  1850.   1360.10.0   0  56   30.
  1
WB        Lom dep   AG  1719.  1850.  1491.  1839.   1360.10.0   0  56   30.
  1
WB        Lom dep   AG  1491.  1839.  1129.  1842.   1360.10.0   0  56   30.
  1
WB        Lom dep   AG  1129.  1842.   857.  1830.   1360.10.0   0  56   30.
  1
SB        Lgt ap    AG  1787.  2858.  1811.  2537.   1535.10.0   0  68   40.
  1
SB        Lgt ap    AG  1811.  2537.  1826.  2453.   1535.10.0   0  68   40.
  1
SB        Lgt ap    AG  1826.  2453.  1844.  2142.   1535.10.0   0  68   40.
  1
SB        Lgt thru  AG  1844.  2142.  1860.  2063.   1205.10.0   0  68   40.
  1
SB        Lgt thru  AG  1860.  2063.  1871.  1875.   1205.10.0   0  68   40.
  2
SB        Lgt thru  AG  1869.  1906.  1861.  2048.      0.  48   4
       140        75       2.0 1205   56.4 1226 1 3
  1
SB        Lgt right AG  1844.  2142.  1832.  2065.    330.10.0   0  32   40.
  1
SB        Lgt right AG  1832.  2065.  1842.  1875.    330.10.0   0  32   40.
  2
SB        Lgt right AG  1841.  1909.  1833.  2050.      0.  12   1
       140        85       2.0  330   56.4 1013 1 3
  1
SB        Lgt dep   AG  1871.  1875.  1877.  1701.   2225.10.3   0  68   40.
  1
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SB        Lgt dep   AG  1877.  1701.  1891.  1421.   2225.10.3   0  80   40.
  1
SB        Lgt dep   AG  1891.  1421.  1904.  1219.   2225.10.3   0  80   40.
  1
SB        Lgt dep   AG  1904.  1219.  1931.   863.   2225.10.3   0  80   40.
1.0   04  1000   0Y  5  0 72
```

JOB: S7 Lombard & Light EXAM RUN: Site 7 Existing AM
DATE: 09/07/2012 TIME: 09:45:47.59

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom	*	2856.0	1894.0	2750.0	1915.0	*	108.	281.	AG	2050.	10.0	.0	80.0		
2. WB	Lom	*	2750.0	1915.0	2563.0	1886.0	*	189.	261.	AG	2050.	10.0	.0	80.0		
3. WB	Lom	*	2563.0	1886.0	2217.0	1871.0	*	346.	268.	AG	2050.	10.0	.0	80.0		
4. WB	Lom thru	*	2217.0	1871.0	2062.0	1871.0	*	155.	270.	AG	1030.	10.0	.0	56.0		
5. WB	Lom thru	*	2062.0	1871.0	1883.0	1863.0	*	179.	267.	AG	1030.	10.0	.0	56.0		
6. WB	Lom thru	*	1908.0	1864.0	2048.5	1869.9	*	141.	88.	AG	243.	100.0	.0	36.0	.68	7.1
7. WB	Lom left	*	2217.0	1871.0	2060.0	1844.0	*	159.	260.	AG	1020.	10.0	.0	44.0		
8. WB	Lom left	*	2060.0	1844.0	1887.0	1834.0	*	173.	267.	AG	1020.	10.0	.0	44.0		
9. WB	Lom left	*	1911.0	1835.0	2717.0	1886.4	*	808.	86.	AG	186.	100.0	.0	24.0	1.10	41.0
10. WB	Lom dep	*	1883.0	1863.0	1719.0	1850.0	*	165.	265.	AG	1360.	10.0	.0	56.0		
11. WB	Lom dep	*	1719.0	1850.0	1491.0	1839.0	*	228.	267.	AG	1360.	10.0	.0	56.0		
12. WB	Lom dep	*	1491.0	1839.0	1129.0	1842.0	*	362.	270.	AG	1360.	10.0	.0	56.0		
13. WB	Lom dep	*	1129.0	1842.0	857.0	1830.0	*	272.	267.	AG	1360.	10.0	.0	56.0		
14. SB	Lgt ap	*	1787.0	2858.0	1811.0	2537.0	*	322.	176.	AG	1535.	10.0	.0	68.0		
15. SB	Lgt ap	*	1811.0	2537.0	1826.0	2453.0	*	85.	170.	AG	1535.	10.0	.0	68.0		
16. SB	Lgt ap	*	1826.0	2453.0	1844.0	2142.0	*	312.	177.	AG	1535.	10.0	.0	68.0		
17. SB	Lgt thru	*	1844.0	2142.0	1860.0	2063.0	*	81.	169.	AG	1205.	10.0	.0	68.0		
18. SB	Lgt thru	*	1860.0	2063.0	1871.0	1875.0	*	188.	177.	AG	1205.	10.0	.0	68.0		
19. SB	Lgt thru	*	1869.0	1906.0	1862.1	2029.2	*	123.	357.	AG	324.	100.0	.0	48.0	.56	6.3
20. SB	Lgt right	*	1844.0	2142.0	1832.0	2065.0	*	78.	189.	AG	330.	10.0	.0	32.0		
21. SB	Lgt right	*	1832.0	2065.0	1842.0	1875.0	*	190.	177.	AG	330.	10.0	.0	32.0		
22. SB	Lgt right	*	1841.0	1909.0	1830.5	2094.5	*	186.	357.	AG	92.	100.0	.0	12.0	.89	9.4
23. SB	Lgt dep	*	1871.0	1875.0	1877.0	1701.0	*	174.	178.	AG	2225.	10.3	.0	68.0		
24. SB	Lgt dep	*	1877.0	1701.0	1891.0	1421.0	*	280.	177.	AG	2225.	10.3	.0	80.0		
25. SB	Lgt dep	*	1891.0	1421.0	1904.0	1219.0	*	202.	176.	AG	2225.	10.3	.0	80.0		
26. SB	Lgt dep	*	1904.0	1219.0	1931.0	863.0	*	357.	176.	AG	2225.	10.3	.0	80.0		

JOB: S7 Lombard & Light EXAM RUN: Site 7 Existing AM
DATE: 09/07/2012 TIME: 09:45:47.59

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. WB	Lom thru	*	140	75	2.0	1030	1157	56.40	1	3
9. WB	Lom left	*	140	86	2.0	1020	1300	56.40	1	3
19. SB	Lgt thru	*	140	75	2.0	1205	1226	56.40	1	3
22. SB	Lgt right	*	140	85	2.0	330	1013	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1929.0	1457.0	5.0	*
2. SE 164 S	*	1929.0	1652.0	5.0	*
3. SE 82 S	*	1914.0	1732.0	5.0	*
4. SE CNR	*	1904.0	1807.0	5.0	*
5. SE 82 E	*	1985.0	1817.0	5.0	*
6. SE 164 E	*	2067.0	1823.0	5.0	*
7. SE MID E	*	2245.0	1834.0	5.0	*
8. NE MID E	*	2240.0	1915.0	5.0	*
9. NE 164 E	*	2066.0	1906.0	5.0	*
10. NE 82 E	*	1985.0	1903.0	5.0	*
11. NE CNR	*	1905.0	1900.0	5.0	*
12. NE 82 N	*	1899.0	1981.0	5.0	*
13. NE 164 N	*	1895.0	2062.0	5.0	*
14. NE MID N	*	1873.0	2214.0	5.0	*
15. NW MID N	*	1807.0	2211.0	5.0	*
16. NW 164 N	*	1816.0	2058.0	5.0	*
17. NW 82 N	*	1820.0	1976.0	5.0	*
18. NW CNR	*	1824.0	1896.0	5.0	*
19. NW 82 W	*	1743.0	1890.0	5.0	*
20. NW 164 W	*	1662.0	1886.0	5.0	*
21. NW MID W	*	1511.0	1878.0	5.0	*
22. SW MID W	*	1515.0	1816.0	5.0	*
23. SW 164 W	*	1667.0	1824.0	5.0	*
24. SW 82 W	*	1749.0	1829.0	5.0	*
25. SW CNR	*	1826.0	1827.0	5.0	*
26. SW 82 S	*	1834.0	1750.0	5.0	*
27. SW 164 S	*	1838.0	1668.0	5.0	*
28. SW MID S	*	1845.0	1474.0	5.0	*

JOB: S7 Lombard & Light EXAM RUN: Site 7 Existing AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.9	.9	1.2	1.8	1.6	1.3	1.1	.0	.0	.0	.6	.5	.3	.5	.7	.8	.8	.9	.1	.0
5.	.7	.6	1.0	1.6	1.5	1.1	1.1	.0	.0	.0	.5	.3	.2	.4	.8	.8	.8	1.2	.1	.0
10.	.6	.5	.9	1.5	1.5	1.2	1.1	.0	.0	.0	.2	.2	.2	.2	.7	.7	.9	1.5	.1	.1
15.	.4	.4	.7	1.5	1.5	1.1	1.1	.0	.0	.0	.2	.1	.0	.2	.6	.7	1.0	1.6	.1	.1
20.	.3	.4	.7	1.4	1.5	1.1	1.1	.0	.0	.0	.1	.1	.0	.1	.6	.8	1.1	1.6	.1	.1
25.	.2	.4	.7	1.3	1.6	1.1	1.2	.0	.0	.0	.1	.1	.0	.1	.6	.8	1.2	1.5	.5	.1
30.	.2	.4	.7	1.4	1.6	1.3	1.2	.0	.0	.0	.0	.0	.0	.1	.6	.7	1.2	1.6	.5	.1
35.	.3	.3	.7	1.4	1.6	1.3	1.3	.0	.0	.0	.0	.0	.0	.1	.6	.7	1.3	1.5	.4	.1
40.	.3	.4	.7	1.7	1.6	1.3	1.3	.1	.0	.0	.0	.0	.0	.1	.5	.7	1.3	1.5	.4	.1
45.	.3	.5	.7	1.7	1.7	1.4	1.3	.1	.0	.0	.0	.0	.0	.1	.5	.6	1.3	1.4	.5	.2
50.	.3	.5	.7	1.7	1.8	1.5	1.4	.1	.0	.0	.0	.0	.0	.0	.5	.6	1.2	1.2	.5	.2
55.	.3	.3	.8	1.7	1.8	1.6	1.5	.1	.0	.0	.0	.0	.0	.0	.5	.6	1.3	1.2	.6	.3
60.	.2	.3	.7	1.8	1.7	1.6	1.5	.1	.0	.0	.0	.0	.0	.0	.5	.7	1.3	1.1	.6	.4
65.	.0	.2	.6	1.9	1.7	1.7	1.6	.1	.0	.0	.0	.0	.0	.0	.4	.8	1.3	1.1	.6	.3
70.	.0	.2	.5	1.9	1.7	1.6	1.8	.2	.1	.0	.0	.0	.0	.0	.4	.7	1.3	.9	.6	.3
75.	.0	.2	.3	1.6	1.8	1.7	1.6	.3	.3	.2	.4	.0	.0	.0	.5	.6	1.4	1.1	.7	.5
80.	.0	.2	.3	1.4	1.5	1.6	1.6	.5	.4	.4	.4	.0	.0	.0	.5	.6	1.4	1.1	.8	.7
85.	.0	.0	.2	1.2	1.3	1.4	1.3	.7	.6	.7	.7	.1	.0	.0	.5	.7	1.6	1.4	1.1	1.0
90.	.0	.0	.2	.8	1.1	1.0	1.1	.9	.9	.8	1.0	.2	.0	.0	.5	.6	1.6	1.8	1.2	1.1
95.	.0	.0	.0	.5	.7	.7	.9	1.1	1.0	1.1	1.4	.2	.2	.0	.5	.9	1.6	1.9	1.3	1.2
100.	.0	.0	.0	.4	.5	.4	.5	1.1	1.0	1.2	1.5	.3	.2	.0	.4	.9	1.8	2.0	1.5	1.2
105.	.0	.0	.0	.2	.2	.3	.3	1.3	1.0	1.4	1.6	.4	.2	.0	.4	1.1	1.9	1.8	1.2	1.1
110.	.0	.0	.0	.1	.2	.2	.3	1.2	1.1	1.3	1.7	.5	.2	.2	.6	1.0	1.9	1.8	1.1	.9
115.	.0	.0	.0	.1	.1	.1	.1	1.1	1.0	1.5	1.6	.7	.2	.2	.6	1.1	2.1	1.7	1.1	.7
120.	.0	.0	.0	.1	.0	.0	.1	1.1	1.1	1.4	1.5	.7	.2	.2	.7	1.4	2.0	1.5	.9	.8
125.	.0	.0	.0	.1	.0	.0	.1	1.0	.9	1.4	1.5	.7	.3	.2	.7	1.3	2.0	1.4	.7	.8
130.	.0	.0	.0	.1	.0	.0	.1	1.0	.8	1.5	1.5	.6	.3	.3	.8	1.5	2.1	1.4	.8	.6
135.	.0	.0	.0	.1	.0	.0	.1	.9	.8	1.4	1.5	.6	.2	.3	.7	1.8	2.0	1.4	.8	.6
140.	.0	.0	.0	.1	.0	.0	.1	.9	.8	1.4	1.4	.7	.3	.2	.7	1.9	2.0	1.2	.7	.7
145.	.0	.0	.0	.1	.0	.0	.1	.9	.8	1.4	1.4	.7	.4	.2	.9	2.1	2.0	1.4	.8	.5
150.	.0	.0	.1	.1	.0	.0	.1	.9	.8	1.4	1.4	.8	.5	.3	.9	2.1	2.0	1.3	.7	.5
155.	.1	.1	.1	.3	.0	.0	.0	.9	.8	1.4	1.3	.8	.6	.3	.9	2.1	2.0	1.2	.7	.5
160.	.3	.1	.2	.3	.0	.0	.0	.8	.8	1.4	1.4	.7	.7	.4	1.2	2.0	1.4	1.3	.9	.7
165.	.4	.3	.4	.5	.0	.0	.0	.8	.7	1.4	1.4	.9	1.0	.7	1.1	1.7	1.2	1.4	.8	.7
170.	.6	.4	.6	.9	.0	.0	.0	.9	.8	1.4	1.5	1.1	1.0	.9	1.0	1.5	1.4	1.3	.7	.5
175.	.8	.5	.8	1.0	.2	.0	.0	.9	.8	1.5	1.8	1.3	1.4	.9	1.1	1.3	1.2	1.1	.6	.4
180.	.9	.7	.9	1.2	.3	.0	.0	.9	.9	1.7	1.9	1.8	1.6	1.0	.9	.8	.9	1.1	.4	.4
185.	1.0	.8	1.0	1.2	.3	.1	.0	.8	1.0	1.7	1.8	1.8	1.5	1.1	.9	.7	.5	.7	.4	.4
190.	1.1	.9	1.1	1.3	.4	.2	.0	.9	1.2	1.9	1.7	1.5	1.5	1.1	.2	.6	.5	.6	.4	.4
195.	1.1	.9	1.0	1.2	.4	.3	.1	1.0	1.3	1.8	1.5	1.5	1.6	1.0	.1	.2	.2	.4	.4	.4
200.	1.0	.8	1.0	1.1	.4	.3	.1	1.0	1.3	1.7	1.3	1.6	1.4	.8	.2	.1	.2	.4	.4	.4
205.	.9	.8	.9	1.0	.4	.3	.1	.9	1.3	1.8	1.3	1.5	1.5	.7	.2	.2	.2	.4	.4	.4

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JOB: S7 Lombard & Light EXAM RUN: Site 7 Existing AM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.8	.7	.9	1.0	.4	.3	.2	1.0	1.6	1.7	1.2	1.6	1.4	.6	.2	.1	.2	.4	.4	.4
215.	.9	.7	.8	.9	.3	.2	.2	1.1	1.4	1.7	1.2	1.7	1.3	.7	.2	.1	.2	.4	.4	.4
220.	.8	.7	.8	.9	.4	.2	.2	1.1	1.5	1.7	1.1	1.7	1.3	.7	.1	.1	.2	.4	.5	.4
225.	.8	.7	.8	.8	.4	.3	.1	1.0	1.5	1.6	1.1	1.9	1.3	.5	.1	.1	.2	.4	.5	.4
230.	.7	.6	.8	.7	.4	.3	.1	1.0	1.7	1.5	1.0	1.7	1.1	.5	.1	.1	.2	.5	.4	.4
235.	.8	.6	.7	.7	.4	.2	.1	1.1	1.6	1.5	.9	1.7	.9	.4	.1	.2	.1	.5	.4	.4
240.	.7	.6	.7	.7	.4	.3	.1	1.2	1.5	1.4	1.1	1.6	.8	.4	.0	.2	.1	.5	.5	.5
245.	.7	.6	.7	.7	.4	.4	.2	1.3	1.6	1.2	1.1	1.6	.9	.4	.0	.1	.2	.6	.6	.5
250.	.7	.6	.7	.7	.4	.4	.3	1.3	1.5	1.3	1.2	1.6	.7	.4	.0	.1	.2	.6	.6	.5
255.	.6	.6	.7	.7	.5	.5	.6	1.1	1.3	1.2	1.0	1.6	.7	.4	.0	.1	.2	.6	.5	.6
260.	.7	.6	.7	.8	.7	.9	.9	1.0	1.4	1.1	1.0	1.7	.5	.5	.0	.0	.1	.5	.4	.5
265.	.7	.6	.7	1.0	.9	1.2	1.2	.9	1.0	.9	1.0	1.6	.4	.5	.0	.0	.1	.5	.4	.4
270.	.7	.6	.7	1.0	1.1	1.5	1.5	.6	.9	.8	1.2	1.5	.5	.5	.0	.0	.0	.3	.3	.3
275.	.7	.6	.9	1.1	1.4	1.6	1.7	.4	.6	.7	1.1	1.5	.5	.5	.0	.0	.0	.3	.2	.2
280.	.6	.6	.8	1.1	1.6	1.9	1.8	.3	.5	.7	1.0	1.4	.4	.4	.0	.0	.0	.1	.2	.2
285.	.6	.7	.8	1.0	1.6	2.1	1.8	.1	.3	.6	1.0	1.4	.4	.4	.0	.0	.0	.0	.0	.0
290.	.6	.8	.7	1.2	1.9	2.3	1.8	.1	.3	.7	1.1	1.4	.5	.4	.0	.0	.0	.0	.0	.0
295.	.7	.7	.9	1.2	1.8	2.4	1.7	.0	.3	.7	1.3	1.4	.6	.5	.0	.0	.0	.0	.0	.0
300.	.7	.8	.9	1.1	2.0	2.3	1.5	.0	.3	.7	1.3	1.4	.5	.5	.0	.0	.0	.0	.0	.0
305.	.7	.8	.9	1.1	2.1	2.3	1.4	.1	.2	.6	1.4	1.4	.5	.5	.1	.0	.0	.0	.0	.0
310.	.7	.8	.8	1.1	2.1	2.1	1.3	.1	.2	.5	1.4	1.3	.5	.5	.1	.0	.0	.0	.0	.0
315.	.8	.9	.8	1.3	2.2	2.0	1.4	.1	.2	.4	1.5	1.4	.5	.6	.1	.0	.0	.0	.0	.0
320.	.8	.7	.9	1.2	2.4	1.8	1.3	.1	.1	.4	1.5	1.3	.4	.6	.1	.0	.0	.0	.0	.0
325.	.8	.8	1.0	1.6	2.2	1.8	1.3	.0	.1	.4	1.5	1.3	.5	.6	.1	.0	.0	.0	.0	.0
330.	.9	.9	1.1	1.7	1.9	1.6	1.2	.0	.1	.4	1.5	1.3	.5	.6	.1	.0	.0	.0	.0	.0
335.	1.0	.9	1.0	1.7	1.9	1.4	1.2	.0	.1	.2	1.6	1.1	.6	.6	.1	.1	.0	.0	.0	.0
340.	1.0	.9	1.2	1.7	1.8	1.7	1.1	.0	.1	.1	1.5	1.0	.5	.7	.2	.1	.1	.1	.0	.0
345.	1.0	1.0	1.5	2.0	1.8	1.5	1.0	.0	.0	.1	1.4	1.0	.6	.8	.4	.2	.3	.4	.0	.0
350.	1.0	1.3	1.5	2.1	1.6	1.1	1.1	.0	.0	.1	1.2	1.0	.6	.8	.5	.3	.4	.5	.0	.0

355.	*	.9	1.1	1.4	1.9	1.7	1.2	1.1	.0	.0	.1	.9	.7	.4	.7	.6	.6	.6	.7	.0	.0
360.	*	.9	.9	1.2	1.8	1.6	1.3	1.1	.0	.0	.0	.6	.5	.3	.5	.7	.8	.8	.9	.1	.0
MAX	*	1.1	1.3	1.5	2.1	2.4	2.4	1.8	1.3	1.7	1.9	1.9	1.9	1.6	1.1	1.2	2.1	2.1	2.0	1.5	1.2
DEGR.	*	190	350	345	350	320	295	280	105	230	190	180	225	180	185	160	145	115	100	100	95

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JOB: S7 Lombard & Light EXAM RUN: Site 7 Existing AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.4	.4	.5	1.3	1.1	1.0	.8
5.	*	.0	.4	.4	.5	1.3	1.1	1.1	.9
10.	*	.0	.4	.5	.5	1.4	1.1	1.1	1.0
15.	*	.0	.4	.5	.7	1.6	1.0	1.4	1.1
20.	*	.0	.4	.5	.8	1.5	1.2	1.5	1.1
25.	*	.0	.6	.5	1.0	1.4	1.3	1.4	1.1
30.	*	.1	.6	.6	.9	1.2	1.4	1.2	.9
35.	*	.1	.6	.7	1.0	1.2	1.4	1.2	.9
40.	*	.1	.6	.7	1.0	1.3	1.2	1.2	.8
45.	*	.1	.5	.7	1.0	1.2	1.3	1.3	.9
50.	*	.1	.6	.8	1.0	1.2	1.3	1.1	.9
55.	*	.0	.7	.9	1.0	1.6	1.3	1.1	.8
60.	*	.1	.7	.9	1.2	1.5	1.3	1.0	.8
65.	*	.1	.8	1.1	1.2	1.6	1.4	1.0	.8
70.	*	.3	.9	1.3	1.4	2.0	1.5	1.0	.6
75.	*	.3	.9	1.3	1.7	2.1	1.3	.9	.6
80.	*	.5	1.1	1.4	1.4	2.2	.9	.8	.6
85.	*	.7	1.1	1.4	1.6	2.2	1.0	.8	.7
90.	*	.9	1.0	1.3	1.4	1.8	.9	.7	.7
95.	*	.9	.7	1.1	1.2	1.6	.7	.7	.6
100.	*	.7	.5	.6	1.0	1.5	.6	.6	.6
105.	*	.8	.4	.6	.7	1.0	.6	.6	.6
110.	*	.7	.4	.5	.5	.8	.7	.6	.7
115.	*	.7	.2	.3	.4	.8	.7	.7	.7
120.	*	.7	.2	.3	.5	.6	.7	.7	.7
125.	*	.5	.2	.3	.5	.6	.7	.7	.7
130.	*	.5	.2	.4	.4	.6	.7	.7	.7
135.	*	.5	.2	.3	.5	.7	.8	.8	.8
140.	*	.5	.3	.3	.4	.7	.8	.8	.8
145.	*	.6	.3	.4	.4	.8	.8	.8	.8
150.	*	.5	.1	.2	.3	.8	.9	.9	.9
155.	*	.5	.1	.3	.3	.9	.9	.9	1.0
160.	*	.4	.1	.3	.4	.9	1.1	1.0	1.0
165.	*	.4	.0	.2	.4	.9	1.1	1.0	1.0
170.	*	.4	.0	.1	.3	.9	.9	.9	.9
175.	*	.4	.0	.0	.3	.8	.9	.9	.8
180.	*	.4	.0	.0	.0	.6	.7	.7	.7
185.	*	.3	.0	.0	.0	.4	.6	.6	.4
190.	*	.4	.0	.0	.0	.2	.2	.4	.3
195.	*	.4	.0	.0	.0	.1	.1	.2	.2
200.	*	.3	.0	.0	.0	.0	.1	.1	.0
205.	*	.4	.0	.0	.0	.0	.0	.1	.0

1

JOB: S7 Lombard & Light EXAM RUN: Site 7 Existing AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.4	.0	.1	.0	.0	.0	.1	.0
215.	*	.4	.0	.1	.0	.0	.0	.1	.0
220.	*	.4	.0	.1	.0	.0	.0	.1	.0
225.	*	.4	.0	.1	.0	.0	.0	.1	.0
230.	*	.4	.0	.1	.0	.0	.0	.1	.0
235.	*	.5	.0	.1	.1	.0	.0	.1	.0
240.	*	.5	.1	.1	.2	.1	.0	.0	.0
245.	*	.5	.2	.2	.2	.1	.0	.0	.0
250.	*	.4	.2	.2	.3	.2	.0	.0	.0
255.	*	.4	.3	.4	.5	.2	.0	.0	.0
260.	*	.5	.5	.5	.6	.4	.0	.0	.0
265.	*	.5	.7	.6	.7	.6	.0	.0	.0
270.	*	.4	.8	.7	.7	.6	.1	.0	.0
275.	*	.2	.8	.8	.7	.7	.2	.0	.0
280.	*	.1	.8	.7	.9	.7	.2	.1	.0
285.	*	.1	.7	.7	.8	.7	.2	.1	.0
290.	*	.0	.7	.7	.7	.6	.2	.2	.0
295.	*	.0	.6	.7	.7	.6	.1	.2	.0
300.	*	.0	.7	.6	.6	.6	.2	.2	.0

305.	*	.0	.6	.6	.6	.5	.2	.1	.2
310.	*	.0	.6	.5	.6	.5	.2	.1	.1
315.	*	.0	.6	.5	.6	.5	.2	.1	.1
320.	*	.0	.5	.5	.6	.4	.2	.1	.1
325.	*	.0	.5	.5	.5	.4	.2	.2	.2
330.	*	.0	.5	.4	.5	.4	.2	.2	.2
335.	*	.0	.5	.4	.5	.4	.3	.1	.1
340.	*	.0	.5	.4	.4	.4	.3	.2	.2
345.	*	.0	.4	.4	.4	.7	.4	.4	.3
350.	*	.0	.4	.4	.4	.9	.7	.6	.4
355.	*	.0	.4	.4	.4	1.0	1.0	.9	.8
360.	*	.0	.4	.4	.5	1.3	1.1	1.0	.8
MAX	*	.9	1.1	1.4	1.7	2.2	1.5	1.5	1.1
DEGR.	*	90	80	80	75	80	70	20	15

THE HIGHEST CONCENTRATION IS 2.40 PPM AT 320 DEGREES FROM REC5 .
THE 2ND HIGHEST CONCENTRATION IS 2.40 PPM AT 295 DEGREES FROM REC6 .
THE 3RD HIGHEST CONCENTRATION IS 2.20 PPM AT 80 DEGREES FROM REC25.

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S7 Lombard & Light EXPM                 60.0321.0.0000.000280.30480000    1    1
SE MID S                 1929.     1457.       5.0
SE 164 S                 1929.     1652.       5.0
SE 82 S                  1914.     1732.       5.0
SE CNR                   1904.     1807.       5.0
SE 82 E                  1985.     1817.       5.0
SE 164 E                 2067.     1823.       5.0
SE MID E                 2245.     1834.       5.0
NE MID E                 2240.     1915.       5.0
NE 164 E                 2066.     1906.       5.0
NE 82 E                  1985.     1903.       5.0
NE CNR                   1905.     1900.       5.0
NE 82 N                  1899.     1981.       5.0
NE 164 N                 1895.     2062.       5.0
NE MID N                 1873.     2214.       5.0
NW MID N                 1807.     2211.       5.0
NW 164 N                 1816.     2058.       5.0
NW 82 N                  1820.     1976.       5.0
NW CNR                   1824.     1896.       5.0
NW 82 W                  1743.     1890.       5.0
NW 164 W                 1662.     1886.       5.0
NW MID W                 1511.     1878.       5.0
SW MID W                 1515.     1816.       5.0
SW 164 W                 1667.     1824.       5.0
SW 82 W                  1749.     1829.       5.0
SW CNR                   1826.     1827.       5.0
SW 82 S                  1834.     1750.       5.0
SW 164 S                 1838.     1668.       5.0
SW MID S                 1845.     1474.       5.0
Site 7 Existing PM                      26  1   0
  1
WB        Lom       AG  2856.  1894.  2750.  1915.   2345.10.0   0  80   30.
  1
WB        Lom       AG  2750.  1915.  2563.  1886.   2345.10.0   0  80   30.
  1
WB        Lom       AG  2563.  1886.  2217.  1871.   2345.10.0   0  80   30.
  1
WB        Lom thru  AG  2217.  1871.  2062.  1871.   1055.10.0   0  56   30.
  1
WB        Lom thru  AG  2062.  1871.  1883.  1863.   1055.10.0   0  56   30.
  2
WB        Lom thru  AG  1908.  1864.  2052.  1870.      0.  36   3
       100        52       2.0 1055   56.4  818 1 3
  1
WB        Lom left  AG  2217.  1871.  2060.  1844.   1290.10.0   0  44   30.
  1
WB        Lom left  AG  2060.  1844.  1887.  1834.   1290.10.0   0  44   30.
  2
WB        Lom left  AG  1911.  1835.  2052.  1844.      0.  24   2
       100        63       2.0 1290   56.4  887 1 3
  1
WB        Lom dep   AG  1883.  1863.  1719.  1850.   1205.10.0   0  56   30.
  1
WB        Lom dep   AG  1719.  1850.  1491.  1839.   1205.10.0   0  56   30.
  1
WB        Lom dep   AG  1491.  1839.  1129.  1842.   1205.10.0   0  56   30.
  1
WB        Lom dep   AG  1129.  1842.   857.  1830.   1205.10.0   0  56   30.
  1
SB        Lgt ap    AG  1787.  2858.  1811.  2537.   1415.10.3   0  68   40.
  1
SB        Lgt ap    AG  1811.  2537.  1826.  2453.   1415.10.3   0  68   40.
  1
SB        Lgt ap    AG  1826.  2453.  1844.  2142.   1415.10.3   0  68   40.
  1
SB        Lgt thru  AG  1844.  2142.  1860.  2063.   1265.10.3   0  68   40.
  1
SB        Lgt thru  AG  1860.  2063.  1871.  1875.   1265.10.3   0  68   40.
  2
SB        Lgt thru  AG  1869.  1906.  1861.  2048.      0.  48   4
       100        58       2.0 1265   56.4 1259 1 3
  1
SB        Lgt right AG  1844.  2142.  1832.  2065.    150.10.3   0  32   40.
  1
SB        Lgt right AG  1832.  2065.  1842.  1875.    150.10.3   0  32   40.
  2
SB        Lgt right AG  1841.  1909.  1833.  2050.      0.  12   1
       100        67       2.0  150   56.4 1013 1 3
  1
SB        Lgt dep   AG  1871.  1875.  1877.  1701.   2555.10.3   0  68   40.
  1
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SB        Lgt dep   AG  1877.  1701.  1891.  1421.   2555.10.3   0  80   40.
  1
SB        Lgt dep   AG  1891.  1421.  1904.  1219.   2555.10.3   0  80   40.
  1
SB        Lgt dep   AG  1904.  1219.  1931.   863.   2555.10.3   0  80   40.
1.0   04  1000   0Y  5  0 72
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JOB: S7 Lombard & Light EXPM RUN: Site 7 Existing PM
DATE: 09/07/2012 TIME: 09:46:02.91

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom	*	2856.0	1894.0	2750.0	1915.0	*	108.	281.	AG	2345.	10.0	.0	80.0		
2. WB	Lom	*	2750.0	1915.0	2563.0	1886.0	*	189.	261.	AG	2345.	10.0	.0	80.0		
3. WB	Lom	*	2563.0	1886.0	2217.0	1871.0	*	346.	268.	AG	2345.	10.0	.0	80.0		
4. WB	Lom thru	*	2217.0	1871.0	2062.0	1871.0	*	155.	270.	AG	1055.	10.0	.0	56.0		
5. WB	Lom thru	*	2062.0	1871.0	1883.0	1863.0	*	179.	267.	AG	1055.	10.0	.0	56.0		
6. WB	Lom thru	*	1908.0	1864.0	2083.5	1871.3	*	176.	88.	AG	236.	100.0	.0	36.0	.98	8.9
7. WB	Lom left	*	2217.0	1871.0	2060.0	1844.0	*	159.	260.	AG	1290.	10.0	.0	44.0		
8. WB	Lom left	*	2060.0	1844.0	1887.0	1834.0	*	173.	267.	AG	1290.	10.0	.0	44.0		
9. WB	Lom left	*	1911.0	1835.0	5784.1	2082.2	*	3881.	86.	AG	191.	100.0	.0	24.0	2.21	197.2
10. WB	Lom dep	*	1883.0	1863.0	1719.0	1850.0	*	165.	265.	AG	1205.	10.0	.0	56.0		
11. WB	Lom dep	*	1719.0	1850.0	1491.0	1839.0	*	228.	267.	AG	1205.	10.0	.0	56.0		
12. WB	Lom dep	*	1491.0	1839.0	1129.0	1842.0	*	362.	270.	AG	1205.	10.0	.0	56.0		
13. WB	Lom dep	*	1129.0	1842.0	857.0	1830.0	*	272.	267.	AG	1205.	10.0	.0	56.0		
14. SB	Lgt ap	*	1787.0	2858.0	1811.0	2537.0	*	322.	176.	AG	1415.	10.3	.0	68.0		
15. SB	Lgt ap	*	1811.0	2537.0	1826.0	2453.0	*	85.	170.	AG	1415.	10.3	.0	68.0		
16. SB	Lgt ap	*	1826.0	2453.0	1844.0	2142.0	*	312.	177.	AG	1415.	10.3	.0	68.0		
17. SB	Lgt thru	*	1844.0	2142.0	1860.0	2063.0	*	81.	169.	AG	1265.	10.3	.0	68.0		
18. SB	Lgt thru	*	1860.0	2063.0	1871.0	1875.0	*	188.	177.	AG	1265.	10.3	.0	68.0		
19. SB	Lgt thru	*	1869.0	1906.0	1863.4	2006.1	*	100.	357.	AG	351.	100.0	.0	48.0	.66	5.1
20. SB	Lgt right	*	1844.0	2142.0	1832.0	2065.0	*	78.	189.	AG	150.	10.3	.0	32.0		
21. SB	Lgt right	*	1832.0	2065.0	1842.0	1875.0	*	190.	177.	AG	150.	10.3	.0	32.0		
22. SB	Lgt right	*	1841.0	1909.0	1837.9	1963.9	*	55.	357.	AG	101.	100.0	.0	12.0	.51	2.8
23. SB	Lgt dep	*	1871.0	1875.0	1877.0	1701.0	*	174.	178.	AG	2555.	10.3	.0	68.0		
24. SB	Lgt dep	*	1877.0	1701.0	1891.0	1421.0	*	280.	177.	AG	2555.	10.3	.0	80.0		
25. SB	Lgt dep	*	1891.0	1421.0	1904.0	1219.0	*	202.	176.	AG	2555.	10.3	.0	80.0		
26. SB	Lgt dep	*	1904.0	1219.0	1931.0	863.0	*	357.	176.	AG	2555.	10.3	.0	80.0		

1

JOB: S7 Lombard & Light EXPM RUN: Site 7 Existing PM
DATE: 09/07/2012 TIME: 09:46:02.91

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. WB	Lom thru	*	100	52	2.0	1055	818	56.40	1	3
9. WB	Lom left	*	100	63	2.0	1290	887	56.40	1	3
19. SB	Lgt thru	*	100	58	2.0	1265	1259	56.40	1	3
22. SB	Lgt right	*	100	67	2.0	150	1013	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1929.0	1457.0	5.0	*
2. SE 164 S	*	1929.0	1652.0	5.0	*
3. SE 82 S	*	1914.0	1732.0	5.0	*
4. SE CNR	*	1904.0	1807.0	5.0	*
5. SE 82 E	*	1985.0	1817.0	5.0	*
6. SE 164 E	*	2067.0	1823.0	5.0	*
7. SE MID E	*	2245.0	1834.0	5.0	*
8. NE MID E	*	2240.0	1915.0	5.0	*
9. NE 164 E	*	2066.0	1906.0	5.0	*
10. NE 82 E	*	1985.0	1903.0	5.0	*
11. NE CNR	*	1905.0	1900.0	5.0	*
12. NE 82 N	*	1899.0	1981.0	5.0	*
13. NE 164 N	*	1895.0	2062.0	5.0	*
14. NE MID N	*	1873.0	2214.0	5.0	*
15. NW MID N	*	1807.0	2211.0	5.0	*
16. NW 164 N	*	1816.0	2058.0	5.0	*
17. NW 82 N	*	1820.0	1976.0	5.0	*
18. NW CNR	*	1824.0	1896.0	5.0	*
19. NW 82 W	*	1743.0	1890.0	5.0	*
20. NW 164 W	*	1662.0	1886.0	5.0	*
21. NW MID W	*	1511.0	1878.0	5.0	*
22. SW MID W	*	1515.0	1816.0	5.0	*
23. SW 164 W	*	1667.0	1824.0	5.0	*
24. SW 82 W	*	1749.0	1829.0	5.0	*
25. SW CNR	*	1826.0	1827.0	5.0	*
26. SW 82 S	*	1834.0	1750.0	5.0	*
27. SW 164 S	*	1838.0	1668.0	5.0	*
28. SW MID S	*	1845.0	1474.0	5.0	*

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JOB: S7 Lombard & Light EXPM RUN: Site 7 Existing PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.9	.9	1.2	1.9	1.8	1.7	1.3	.0	.0	.0	.7	.4	.3	.5	.7	.6	.5	.8	.1	.0
5.	.8	.7	1.1	1.8	1.7	1.8	1.3	.0	.0	.0	.5	.4	.2	.4	.8	.6	.6	1.0	.1	.0
10.	.6	.6	1.1	1.6	1.7	1.6	1.3	.0	.0	.0	.2	.2	.2	.2	.7	.5	.6	1.2	.1	.1
15.	.4	.5	.9	1.6	1.7	1.5	1.3	.0	.0	.0	.1	.1	.0	.2	.6	.7	.5	1.3	.1	.1
20.	.4	.5	.8	1.5	1.7	1.4	1.3	.0	.0	.0	.1	.1	.0	.1	.6	.6	.7	1.5	.2	.1
25.	.2	.4	.8	1.5	1.7	1.4	1.3	.0	.0	.0	.1	.1	.0	.1	.6	.6	.7	1.4	.3	.1
30.	.2	.5	.8	1.5	1.7	1.5	1.3	.0	.0	.0	.0	.0	.0	.1	.6	.5	.7	1.5	.4	.1
35.	.3	.5	.8	1.5	1.8	1.5	1.3	.1	.0	.0	.0	.0	.0	.1	.5	.5	.7	1.5	.3	.1
40.	.3	.5	.8	1.7	1.8	1.5	1.4	.1	.0	.0	.0	.0	.0	.1	.5	.5	.8	1.5	.3	.1
45.	.3	.5	.9	1.8	2.1	1.6	1.5	.1	.0	.0	.0	.0	.0	.1	.5	.3	.7	1.5	.3	.2
50.	.3	.5	1.0	1.9	2.0	1.7	1.6	.1	.0	.0	.0	.0	.0	.0	.5	.3	.8	1.4	.5	.2
55.	.3	.4	.8	1.9	2.0	1.7	1.6	.1	.0	.0	.0	.0	.0	.0	.4	.3	.9	1.3	.5	.2
60.	.3	.3	.8	2.0	2.2	1.9	1.7	.1	.0	.0	.0	.0	.0	.0	.4	.4	.9	1.2	.6	.3
65.	.1	.3	.7	2.2	2.1	1.9	1.9	.1	.0	.0	.0	.0	.0	.0	.4	.4	1.0	1.1	.6	.3
70.	.1	.3	.7	2.0	2.1	2.0	2.0	.3	.2	.2	.1	.0	.0	.0	.4	.4	1.1	1.1	.7	.3
75.	.1	.3	.6	1.8	2.0	2.0	1.9	.5	.3	.2	.4	.0	.0	.0	.4	.3	1.1	1.3	.8	.6
80.	.1	.3	.4	1.8	1.8	1.8	1.8	.7	.5	.6	.5	.1	.0	.0	.4	.4	1.3	1.4	.9	.8
85.	.1	.1	.3	1.5	1.7	1.6	1.6	.9	.9	.9	1.0	.2	.1	.0	.5	.5	1.5	1.5	1.3	.9
90.	.0	.1	.3	1.1	1.3	1.4	1.4	1.2	1.1	1.2	1.3	.3	.1	.1	.6	.4	1.6	2.1	1.3	1.3
95.	.0	.0	.1	.8	.8	.8	1.0	1.3	1.1	1.3	1.6	.3	.3	.1	.5	.7	1.5	2.0	1.5	1.3
100.	.0	.0	.0	.4	.6	.5	.7	1.4	1.1	1.5	1.6	.4	.3	.1	.5	.8	1.6	2.3	1.5	1.1
105.	.0	.0	.0	.2	.2	.4	.4	1.4	1.2	1.6	1.7	.6	.3	.1	.5	.8	1.9	2.1	1.3	1.1
110.	.0	.0	.0	.2	.2	.2	.3	1.3	1.1	1.6	1.8	.6	.3	.2	.6	.8	2.1	1.8	1.2	.9
115.	.0	.0	.0	.1	.1	.1	.1	1.3	1.2	1.7	1.8	.7	.3	.2	.6	.9	2.2	1.7	1.1	.7
120.	.0	.0	.0	.1	.1	.1	.1	1.2	1.3	1.7	1.7	.8	.3	.2	.6	.9	2.1	1.6	1.0	.7
125.	.0	.0	.0	.1	.0	.1	.1	1.2	1.2	1.5	1.5	.8	.5	.2	.6	.9	2.0	1.5	.7	.7
130.	.0	.0	.0	.1	.0	.0	.1	1.1	1.0	1.6	1.5	.7	.5	.3	.7	1.2	2.2	1.3	.8	.6
135.	.0	.0	.0	.1	.0	.0	.1	1.0	1.0	1.5	1.5	.7	.4	.3	.6	1.3	2.1	1.4	.8	.7
140.	.0	.0	.0	.1	.0	.0	.1	1.0	1.1	1.5	1.4	.7	.3	.3	.7	1.3	2.0	1.2	.8	.7
145.	.0	.0	.0	.1	.0	.0	.1	1.0	1.1	1.4	1.4	.8	.6	.3	.9	1.5	1.9	1.2	.7	.5
150.	.0	.1	.1	.2	.0	.0	.1	.9	1.2	1.4	1.3	.8	.6	.3	.9	1.5	2.0	1.2	.7	.6
155.	.1	.1	.1	.3	.0	.0	.0	.9	1.1	1.4	1.4	.8	.6	.3	1.1	1.6	1.9	1.2	.7	.6
160.	.4	.1	.2	.4	.0	.0	.0	.9	1.2	1.4	1.5	.8	.8	.5	1.2	1.7	1.5	1.1	.8	.6
165.	.5	.4	.5	.7	.0	.0	.0	.9	1.1	1.4	1.4	.9	.9	.7	1.0	1.2	1.5	1.4	.7	.6
170.	.8	.5	.7	1.0	.0	.0	.0	.9	1.3	1.4	1.9	1.1	1.0	.9	.9	1.5	1.3	1.3	.6	.4
175.	.9	.6	.9	1.2	.3	.0	.0	1.0	1.4	1.6	1.9	1.5	1.4	.8	.8	1.2	1.3	1.1	.6	.3
180.	1.1	.8	1.1	1.3	.3	.1	.0	1.0	1.6	1.7	2.0	1.8	1.6	.9	.8	.9	1.0	1.0	.4	.3
185.	1.1	.9	1.1	1.4	.4	.2	.0	.9	1.5	1.8	2.1	2.0	1.5	1.0	.7	.5	.6	.6	.3	.3
190.	1.2	1.0	1.2	1.4	.4	.3	.0	1.0	1.8	1.9	2.0	1.9	1.4	.9	.1	.5	.4	.5	.3	.3
195.	1.2	1.1	1.2	1.4	.5	.3	.1	1.1	1.8	1.9	1.6	1.6	1.5	.9	.1	.1	.2	.5	.4	.3
200.	1.2	.9	1.1	1.2	.4	.3	.1	1.0	1.8	1.9	1.4	1.7	1.4	.7	.1	.1	.1	.3	.3	.3
205.	1.1	.9	1.0	1.2	.5	.3	.2	1.1	1.7	1.8	1.3	1.7	1.2	.5	.2	.2	.1	.3	.3	.3

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JOB: S7 Lombard & Light EXPM RUN: Site 7 Existing PM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.0	.8	.9	1.2	.4	.3	.2	1.3	1.8	1.9	1.5	1.6	1.1	.5	.2	.1	.1	.4	.4	.3
215.	.9	.8	1.0	1.0	.4	.2	.2	1.2	1.7	1.7	1.2	1.7	.9	.5	.1	.1	.2	.4	.4	.4
220.	.9	.8	.9	1.0	.4	.2	.2	1.1	1.8	1.7	1.1	1.7	.9	.5	.1	.1	.2	.4	.4	.4
225.	.9	.7	.9	.9	.4	.3	.1	1.2	1.9	1.7	1.1	1.6	.7	.4	.1	.1	.2	.4	.4	.4
230.	.9	.7	.9	.9	.5	.3	.1	1.2	1.9	1.7	1.1	1.7	.6	.4	.0	.1	.1	.5	.4	.4
235.	.9	.7	.8	.8	.5	.4	.1	1.4	1.8	1.5	1.0	1.7	.6	.4	.0	.1	.1	.5	.4	.4
240.	.8	.7	.9	.8	.6	.4	.1	1.6	1.7	1.4	1.0	1.7	.5	.4	.0	.2	.1	.4	.4	.5
245.	.8	.7	.8	.8	.5	.5	.3	1.6	1.7	1.3	1.1	1.6	.3	.4	.0	.1	.2	.4	.4	.5
250.	.8	.7	.8	.8	.5	.6	.4	1.4	1.6	1.3	1.1	1.7	.5	.4	.0	.1	.2	.5	.5	.5
255.	.8	.7	.8	.8	.7	.7	.8	1.4	1.3	1.2	.9	1.7	.4	.4	.0	.0	.2	.5	.4	.4
260.	.8	.7	.8	.9	.9	.8	1.0	1.1	1.4	1.1	1.2	1.5	.4	.4	.0	.0	.1	.5	.4	.4
265.	.8	.7	.8	1.0	1.1	1.2	1.3	1.1	1.1	.9	1.0	1.4	.4	.5	.0	.0	.1	.3	.3	.3
270.	.8	.7	.8	1.1	1.2	1.6	1.7	.9	.8	.9	1.1	1.4	.4	.5	.0	.0	.0	.3	.3	.2
275.	.8	.7	.9	1.1	1.4	1.8	2.0	.6	.6	.7	1.1	1.4	.4	.4	.0	.0	.0	.3	.2	.2
280.	.7	.7	.9	1.2	1.7	2.1	2.1	.3	.5	.6	1.1	1.3	.3	.4	.0	.0	.0	.1	.1	.2
285.	.7	.7	.9	1.2	1.8	2.4	2.3	.2	.3	.5	1.1	1.3	.4	.4	.0	.0	.0	.0	.0	.0
290.	.7	.9	.8	1.2	2.0	2.4	2.0	.1	.3	.6	1.2	1.2	.4	.4	.0	.0	.0	.0	.0	.0
295.	.8	.8	1.0	1.3	2.0	2.4	1.9	.0	.3	.6	1.2	1.1	.4	.4	.0	.0	.0	.0	.0	.0
300.	.8	.9	1.0	1.2	2.1	2.4	1.8	.0	.2	.5	1.3	1.1	.4	.5	.0	.0	.0	.0	.0	.0
305.	.8	.8	1.0	1.2	2.1	2.4	1.5	.1	.2	.5	1.4	1.0	.4	.5	.0	.0	.0	.0	.0	.0
310.	.8	.9	.9	1.3	2.2	2.2	1.3	.1	.2	.5	1.4	.9	.5	.5	.1	.0	.0	.0	.0	.0
315.	.9	.8	1.0	1.4	2.3	2.1	1.5	.1	.1	.3	1.4	1.0	.5	.5	.1	.0	.0	.0	.0	.0
320.	.9	.9	1.0	1.4	2.4	2.1	1.5	.1	.1	.4	1.5	.9	.4	.6	.1	.0	.0	.0	.0	.0
325.	1.0	.9	1.2	1.6	2.2	2.0	1.3	.0	.1	.4	1.4	.9	.5	.6	.1	.0	.0	.0	.0	.0
330.	1.1	1.0	1.2	1.7	2.2	1.8	1.3	.0	.1	.4	1.4	.9	.5	.6	.1	.0	.0	.0	.0	.0
335.	1.1	1.1	1.1	1.8	2.1	1.9	1.3	.0	.1	.2	1.6	.8	.6	.6	.1	.0	.0	.0	.0	.0
340.	1.1	1.1	1.3	1.8	1.9	1.9	1.3	.0	.1	.1	1.5	.8	.6	.7	.2	.1	.0	.0	.0	.0
345.	1.0	1.1	1.6	2.0	1.9	1.9	1.2	.0	.0	.1	1.3	.7	.6	.7	.3	.2	.1	.2	.0	.0
350.	1.2	1.3	1.6	2.1	1.7	1.8	1.3	.0	.0	.1	1.1	.7	.6	.7	.4	.3	.3	.4	.0	.0

355. *	1.0	1.1	1.4	2.1	1.9	1.7	1.3	.0	.0	.1	.9	.5	.5	.6	.5	.4	.4	.6	.0	.0
360. *	.9	.9	1.2	1.9	1.8	1.7	1.3	.0	.0	.0	.7	.4	.3	.5	.7	.6	.5	.8	.1	.0
MAX *	1.2	1.3	1.6	2.2	2.4	2.4	2.3	1.6	1.9	1.9	2.1	2.0	1.6	1.0	1.2	1.7	2.2	2.3	1.5	1.3
DEGR. *	190	350	345	65	320	300	285	245	225	190	185	185	180	185	160	160	115	100	95	90

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JOB: S7 Lombard & Light EXPM RUN: Site 7 Existing PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.4	.4	.5	1.1	1.0	1.1	1.0
5. *	.0	.4	.4	.5	1.2	1.2	1.2	1.1
10. *	.0	.4	.5	.5	1.4	1.2	1.2	1.2
15. *	.0	.4	.5	.7	1.4	1.2	1.6	1.2
20. *	.0	.4	.5	.7	1.2	1.3	1.5	1.2
25. *	.0	.4	.5	.8	1.3	1.4	1.4	1.2
30. *	.1	.5	.5	.7	1.2	1.5	1.4	1.1
35. *	.1	.5	.6	.8	1.3	1.5	1.4	1.0
40. *	.1	.6	.7	.9	1.3	1.3	1.5	1.0
45. *	.1	.5	.7	1.0	1.4	1.5	1.3	1.0
50. *	.0	.5	.8	.9	1.2	1.5	1.4	1.0
55. *	.0	.6	.9	.9	1.5	1.5	1.4	.9
60. *	.0	.8	.9	1.1	1.6	1.7	1.4	.9
65. *	.1	.8	1.1	1.1	1.7	1.8	1.1	.9
70. *	.2	1.0	1.2	1.6	1.9	1.6	1.1	.8
75. *	.4	1.2	1.5	1.6	2.4	1.5	1.1	.8
80. *	.4	1.2	1.5	1.6	2.5	1.4	1.0	.8
85. *	1.0	1.1	1.4	1.6	2.5	1.1	1.1	.9
90. *	.9	1.0	1.4	1.6	2.1	1.1	.9	.8
95. *	.9	.7	1.1	1.3	1.9	.8	.8	.7
100. *	.8	.5	.9	1.2	1.6	.8	.7	.7
105. *	.7	.5	.5	.8	1.2	.7	.7	.7
110. *	.7	.3	.4	.6	.9	.8	.7	.8
115. *	.6	.2	.4	.4	.9	.8	.7	.8
120. *	.6	.2	.3	.5	.7	.8	.8	.8
125. *	.5	.2	.4	.5	.7	.8	.8	.8
130. *	.5	.2	.4	.5	.7	.9	.8	.9
135. *	.5	.3	.3	.5	.8	.9	.9	.9
140. *	.6	.3	.3	.5	.8	.9	.9	.9
145. *	.6	.3	.3	.4	.9	1.0	.9	.9
150. *	.5	.2	.3	.5	.9	.9	1.1	1.1
155. *	.4	.1	.3	.4	.9	1.1	1.1	1.0
160. *	.4	.1	.3	.4	1.1	1.2	1.2	1.2
165. *	.3	.0	.2	.4	1.1	1.1	1.2	1.1
170. *	.3	.0	.1	.3	1.0	1.0	1.2	1.0
175. *	.3	.0	.0	.3	.8	.9	1.1	.9
180. *	.3	.0	.0	.1	.7	.7	.8	.7
185. *	.3	.0	.0	.0	.5	.6	.7	.4
190. *	.4	.0	.0	.0	.2	.3	.4	.4
195. *	.4	.0	.0	.0	.1	.1	.2	.2
200. *	.3	.0	.0	.0	.0	.1	.2	.1
205. *	.4	.0	.0	.0	.0	.0	.1	.0

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JOB: S7 Lombard & Light EXPM RUN: Site 7 Existing PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.4	.0	.0	.0	.0	.0	.1	.0
215. *	.3	.0	.1	.0	.0	.0	.1	.0
220. *	.3	.0	.1	.0	.0	.0	.1	.0
225. *	.4	.0	.1	.0	.0	.0	.1	.0
230. *	.4	.0	.1	.0	.0	.0	.1	.0
235. *	.4	.0	.1	.1	.0	.0	.1	.0
240. *	.5	.0	.1	.2	.0	.0	.1	.0
245. *	.5	.2	.2	.2	.1	.0	.0	.0
250. *	.4	.2	.2	.2	.2	.0	.0	.0
255. *	.4	.3	.4	.4	.2	.0	.0	.0
260. *	.5	.4	.5	.6	.4	.0	.0	.0
265. *	.4	.5	.5	.6	.4	.0	.0	.0
270. *	.4	.7	.6	.7	.6	.1	.0	.0
275. *	.2	.8	.6	.7	.6	.2	.0	.0
280. *	.1	.7	.6	.7	.7	.2	.1	.0
285. *	.1	.7	.7	.7	.6	.2	.1	.0
290. *	.0	.6	.6	.7	.5	.2	.1	.0
295. *	.0	.6	.5	.6	.5	.1	.2	.0
300. *	.0	.5	.5	.6	.5	.2	.1	.0

305.	*	.0	.5	.5	.5	.4	.2	.1	.1
310.	*	.0	.6	.5	.5	.4	.2	.1	.1
315.	*	.0	.5	.4	.5	.4	.2	.1	.1
320.	*	.0	.5	.4	.4	.4	.2	.1	.1
325.	*	.0	.5	.4	.5	.4	.1	.2	.1
330.	*	.0	.4	.4	.4	.4	.3	.1	.1
335.	*	.0	.4	.4	.4	.3	.3	.1	.1
340.	*	.0	.4	.4	.4	.3	.3	.2	.2
345.	*	.0	.4	.4	.4	.6	.5	.4	.4
350.	*	.0	.4	.4	.4	.7	.7	.6	.5
355.	*	.0	.4	.4	.4	.8	.8	.9	.7
360.	*	.0	.4	.4	.5	1.1	1.0	1.1	1.0
MAX	*	1.0	1.2	1.5	1.6	2.5	1.8	1.6	1.2
DEGR.	*	85	75	75	70	80	65	15	10

THE HIGHEST CONCENTRATION IS 2.50 PPM AT 80 DEGREES FROM REC25.
THE 2ND HIGHEST CONCENTRATION IS 2.40 PPM AT 300 DEGREES FROM REC6 .
THE 3RD HIGHEST CONCENTRATION IS 2.40 PPM AT 320 DEGREES FROM REC5 .

```
S7 Lombard & Light NBAM21               60.0321.0.0000.000280.30480000    1    1
SE MID S                 1929.     1457.       5.0
SE 164 S                 1929.     1652.       5.0
SE 82 S                  1914.     1732.       5.0
SE CNR                   1904.     1807.       5.0
SE 82 E                  1985.     1817.       5.0
SE 164 E                 2067.     1823.       5.0
SE MID E                 2245.     1834.       5.0
NE MID E                 2240.     1915.       5.0
NE 164 E                 2066.     1906.       5.0
NE 82 E                  1985.     1903.       5.0
NE CNR                   1905.     1900.       5.0
NE 82 N                  1899.     1981.       5.0
NE 164 N                 1895.     2062.       5.0
NE MID N                 1873.     2214.       5.0
NW MID N                 1807.     2211.       5.0
NW 164 N                 1816.     2058.       5.0
NW 82 N                  1820.     1976.       5.0
NW CNR                   1824.     1896.       5.0
NW 82 W                  1743.     1890.       5.0
NW 164 W                 1662.     1886.       5.0
NW MID W                 1511.     1878.       5.0
SW MID W                 1515.     1816.       5.0
SW 164 W                 1667.     1824.       5.0
SW 82 W                  1749.     1829.       5.0
SW CNR                   1826.     1827.       5.0
SW 82 S                  1834.     1750.       5.0
SW 164 S                 1838.     1668.       5.0
SW MID S                 1845.     1474.       5.0
Site 7 No Build AM 2021                  26  1   0
  1
WB        Lom       AG  2856.  1894.  2750.  1915.   2375. 8.1   0  80   30.
  1
WB        Lom       AG  2750.  1915.  2563.  1886.   2375. 8.1   0  80   30.
  1
WB        Lom       AG  2563.  1886.  2217.  1871.   2375. 8.1   0  80   30.
  1
WB        Lom thru  AG  2217.  1871.  2062.  1871.   1260. 8.1   0  56   30.
  1
WB        Lom thru  AG  2062.  1871.  1883.  1863.   1260. 8.1   0  56   30.
  2
WB        Lom thru  AG  1908.  1864.  2052.  1870.      0.  36   3
       140        79       2.0 1260   43.6 1169 1 3
  1
WB        Lom left  AG  2217.  1871.  2060.  1844.   1115. 8.1   0  44   30.
  1
WB        Lom left  AG  2060.  1844.  1887.  1834.   1115. 8.1   0  44   30.
  2
WB        Lom left  AG  1911.  1835.  2052.  1844.      0.  24   2
       140        92       2.0 1115   43.6 1300 1 3
  1
WB        Lom dep   AG  1883.  1863.  1719.  1850.   1605. 8.1   0  56   30.
  1
WB        Lom dep   AG  1719.  1850.  1491.  1839.   1605. 8.1   0  56   30.
  1
WB        Lom dep   AG  1491.  1839.  1129.  1842.   1605. 8.1   0  56   30.
  1
WB        Lom dep   AG  1129.  1842.   857.  1830.   1605. 8.1   0  56   30.
  1
SB        Lgt ap    AG  1787.  2858.  1811.  2537.   1625. 8.3   0  68   40.
  1
SB        Lgt ap    AG  1811.  2537.  1826.  2453.   1625. 8.3   0  68   40.
  1
SB        Lgt ap    AG  1826.  2453.  1844.  2142.   1625. 8.3   0  68   40.
  1
SB        Lgt thru  AG  1844.  2142.  1860.  2063.   1280. 8.3   0  68   40.
  1
SB        Lgt thru  AG  1860.  2063.  1871.  1875.   1280. 8.3   0  68   40.
  2
SB        Lgt thru  AG  1869.  1906.  1861.  2048.      0.  48   4
       140        78       2.0 1280   43.6 1229 1 3
  1
SB        Lgt right AG  1844.  2142.  1832.  2065.    345. 8.3   0  32   40.
  1
SB        Lgt right AG  1832.  2065.  1842.  1875.    345. 8.3   0  32   40.
  2
SB        Lgt right AG  1841.  1909.  1833.  2050.      0.  12   1
       140        91       2.0  345   43.6 1013 1 3
  1
SB        Lgt dep   AG  1871.  1875.  1877.  1701.   2395. 8.3   0  68   40.
  1
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SB        Lgt dep   AG  1877.  1701.  1891.  1421.   2395. 8.3   0  80   40.
  1
SB        Lgt dep   AG  1891.  1421.  1904.  1219.   2395. 8.3   0  80   40.
  1
SB        Lgt dep   AG  1904.  1219.  1931.   863.   2395. 8.3   0  80   40.
1.0   04  1000   0Y  5  0 72
```

JOB: S7 Lombard & Light NBAM21 RUN: Site 7 No Build AM 2021
DATE: 09/07/2012 TIME: 09:46:18.02

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom	2856.0	1894.0	2750.0	1915.0	108.	281.	AG	2375.	8.1	.0	80.0		
2. WB	Lom	2750.0	1915.0	2563.0	1886.0	189.	261.	AG	2375.	8.1	.0	80.0		
3. WB	Lom	2563.0	1886.0	2217.0	1871.0	346.	268.	AG	2375.	8.1	.0	80.0		
4. WB	Lom thru	2217.0	1871.0	2062.0	1871.0	155.	270.	AG	1260.	8.1	.0	56.0		
5. WB	Lom thru	2062.0	1871.0	1883.0	1863.0	179.	267.	AG	1260.	8.1	.0	56.0		
6. WB	Lom thru	1908.0	1864.0	2118.0	1872.7	210.	88.	AG	198.	100.0	.0	36.0	.88	10.7
7. WB	Lom left	2217.0	1871.0	2060.0	1844.0	159.	260.	AG	1115.	8.1	.0	44.0		
8. WB	Lom left	2060.0	1844.0	1887.0	1834.0	173.	267.	AG	1115.	8.1	.0	44.0		
9. WB	Lom left	1911.0	1835.0	3787.9	1954.8	1881.	86.	AG	154.	100.0	.0	24.0	1.37	95.5
10. WB	Lom dep	1883.0	1863.0	1719.0	1850.0	165.	265.	AG	1605.	8.1	.0	56.0		
11. WB	Lom dep	1719.0	1850.0	1491.0	1839.0	228.	267.	AG	1605.	8.1	.0	56.0		
12. WB	Lom dep	1491.0	1839.0	1129.0	1842.0	362.	270.	AG	1605.	8.1	.0	56.0		
13. WB	Lom dep	1129.0	1842.0	857.0	1830.0	272.	267.	AG	1605.	8.1	.0	56.0		
14. SB	Lgt ap	1787.0	2858.0	1811.0	2537.0	322.	176.	AG	1625.	8.3	.0	68.0		
15. SB	Lgt ap	1811.0	2537.0	1826.0	2453.0	85.	170.	AG	1625.	8.3	.0	68.0		
16. SB	Lgt ap	1826.0	2453.0	1844.0	2142.0	312.	177.	AG	1625.	8.3	.0	68.0		
17. SB	Lgt thru	1844.0	2142.0	1860.0	2063.0	81.	169.	AG	1280.	8.3	.0	68.0		
18. SB	Lgt thru	1860.0	2063.0	1871.0	1875.0	188.	177.	AG	1280.	8.3	.0	68.0		
19. SB	Lgt thru	1869.0	1906.0	1861.3	2042.3	136.	357.	AG	261.	100.0	.0	48.0	.63	6.9
20. SB	Lgt right	1844.0	2142.0	1832.0	2065.0	78.	189.	AG	345.	8.3	.0	32.0		
21. SB	Lgt right	1832.0	2065.0	1842.0	1875.0	190.	177.	AG	345.	8.3	.0	32.0		
22. SB	Lgt right	1841.0	1909.0	1814.9	2369.9	462.	357.	AG	76.	100.0	.0	12.0	1.06	23.5
23. SB	Lgt dep	1871.0	1875.0	1877.0	1701.0	174.	178.	AG	2395.	8.3	.0	68.0		
24. SB	Lgt dep	1877.0	1701.0	1891.0	1421.0	280.	177.	AG	2395.	8.3	.0	80.0		
25. SB	Lgt dep	1891.0	1421.0	1904.0	1219.0	202.	176.	AG	2395.	8.3	.0	80.0		
26. SB	Lgt dep	1904.0	1219.0	1931.0	863.0	357.	176.	AG	2395.	8.3	.0	80.0		

JOB: S7 Lombard & Light NBAM21 RUN: Site 7 No Build AM 2021
DATE: 09/07/2012 TIME: 09:46:18.02

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. WB	Lom thru	140	79	2.0	1260	1169	43.60	1	3
9. WB	Lom left	140	92	2.0	1115	1300	43.60	1	3
19. SB	Lgt thru	140	78	2.0	1280	1229	43.60	1	3
22. SB	Lgt right	140	91	2.0	345	1013	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1929.0	1457.0	5.0
2. SE 164 S	1929.0	1652.0	5.0
3. SE 82 S	1914.0	1732.0	5.0
4. SE CNR	1904.0	1807.0	5.0
5. SE 82 E	1985.0	1817.0	5.0
6. SE 164 E	2067.0	1823.0	5.0
7. SE MID E	2245.0	1834.0	5.0
8. NE MID E	2240.0	1915.0	5.0
9. NE 164 E	2066.0	1906.0	5.0
10. NE 82 E	1985.0	1903.0	5.0
11. NE CNR	1905.0	1900.0	5.0
12. NE 82 N	1899.0	1981.0	5.0
13. NE 164 N	1895.0	2062.0	5.0
14. NE MID N	1873.0	2214.0	5.0
15. NW MID N	1807.0	2211.0	5.0
16. NW 164 N	1816.0	2058.0	5.0
17. NW 82 N	1820.0	1976.0	5.0
18. NW CNR	1824.0	1896.0	5.0
19. NW 82 W	1743.0	1890.0	5.0
20. NW 164 W	1662.0	1886.0	5.0
21. NW MID W	1511.0	1878.0	5.0
22. SW MID W	1515.0	1816.0	5.0
23. SW 164 W	1667.0	1824.0	5.0
24. SW 82 W	1749.0	1829.0	5.0
25. SW CNR	1826.0	1827.0	5.0
26. SW 82 S	1834.0	1750.0	5.0
27. SW 164 S	1838.0	1668.0	5.0
28. SW MID S	1845.0	1474.0	5.0

JOB: S7 Lombard & Light NBAM21 RUN: Site 7 No Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.7	.9	1.0	1.7	1.3	1.5	1.0	.0	.0	.0	.6	.5	.3	.5	.8	.8	.7	.9	.1	.0
5.	.7	.6	.8	1.4	1.3	1.5	1.0	.0	.0	.0	.5	.3	.2	.3	.8	.8	.8	1.0	.1	.0
10.	.5	.5	.8	1.3	1.3	1.5	1.0	.0	.0	.0	.2	.2	.1	.2	.8	.9	1.0	1.3	.2	.1
15.	.4	.4	.6	1.4	1.3	1.4	1.0	.0	.0	.0	.1	.1	.0	.1	.8	.9	1.0	1.4	.2	.1
20.	.3	.4	.7	1.1	1.3	1.4	1.0	.0	.0	.0	.1	.1	.0	.1	.8	.8	1.1	1.3	.2	.1
25.	.2	.4	.7	1.2	1.4	1.4	1.1	.0	.0	.0	.0	.0	.0	.1	.7	.8	1.2	1.2	.4	.1
30.	.2	.4	.7	1.3	1.4	1.4	1.1	.0	.0	.0	.0	.0	.0	.1	.7	.8	1.0	1.2	.4	.1
35.	.3	.2	.7	1.3	1.4	1.4	1.1	.0	.0	.0	.0	.0	.0	.1	.7	.7	1.2	1.2	.4	.2
40.	.3	.3	.6	1.4	1.4	1.5	1.1	.0	.0	.0	.0	.0	.0	.1	.7	.7	1.1	1.2	.4	.1
45.	.3	.4	.6	1.4	1.5	1.5	1.2	.1	.0	.0	.0	.0	.0	.0	.7	.6	1.2	1.1	.4	.2
50.	.3	.2	.8	1.4	1.7	1.6	1.3	.1	.0	.0	.0	.0	.0	.0	.6	.6	1.2	1.1	.5	.2
55.	.3	.2	.7	1.5	1.7	1.6	1.3	.1	.0	.0	.0	.0	.0	.0	.6	.5	1.2	1.0	.5	.2
60.	.2	.2	.6	1.6	1.7	1.5	1.4	.1	.0	.0	.0	.0	.0	.0	.6	.5	1.2	1.0	.5	.3
65.	.1	.3	.6	1.7	1.6	1.6	1.4	.1	.0	.0	.0	.0	.0	.0	.6	.7	1.2	1.0	.5	.3
70.	.1	.2	.5	1.7	1.7	1.6	1.6	.2	.1	.0	.0	.0	.0	.0	.6	.7	1.2	.8	.3	.3
75.	.1	.2	.3	1.6	1.8	1.6	1.6	.3	.3	.2	.4	.0	.0	.0	.6	.6	1.2	1.0	.6	.5
80.	.0	.2	.3	1.4	1.4	1.4	1.4	.5	.4	.5	.4	.0	.0	.0	.6	.6	1.2	1.1	.8	.5
85.	.0	.1	.3	1.2	1.3	1.3	1.4	.7	.5	.7	.7	.2	.0	.0	.6	.7	1.4	1.3	1.0	1.0
90.	.0	.0	.2	.9	1.0	1.0	1.1	1.0	1.0	1.0	1.1	.2	.1	.0	.6	.8	1.4	1.8	1.2	1.1
95.	.0	.0	.1	.5	.6	.6	.8	1.0	1.0	1.3	1.3	.3	.2	.0	.6	.9	1.6	1.7	1.3	1.1
100.	.0	.0	.0	.3	.4	.4	.5	1.1	1.1	1.4	1.5	.3	.2	.1	.7	1.0	1.6	1.8	1.3	1.1
105.	.0	.0	.0	.1	.2	.3	.3	1.1	1.1	1.3	1.5	.5	.2	.1	.7	1.1	1.7	1.7	1.1	.9
110.	.0	.0	.0	.0	.2	.2	.3	1.0	1.2	1.4	1.6	.5	.2	.1	.8	1.0	1.8	1.5	1.0	.8
115.	.0	.0	.0	.1	.0	.0	.1	1.0	1.2	1.5	1.4	.6	.2	.2	.8	1.3	1.8	1.4	1.0	.7
120.	.0	.0	.0	.1	.0	.0	.1	1.0	1.2	1.5	1.4	.8	.2	.2	.8	1.3	1.8	1.4	.7	.5
125.	.0	.0	.0	.1	.0	.0	.1	1.0	1.3	1.5	1.4	.7	.4	.2	.8	1.3	1.7	1.3	.6	.7
130.	.0	.0	.0	.1	.0	.0	.1	.9	1.2	1.5	1.4	.6	.3	.2	.9	1.4	1.8	1.3	.6	.6
135.	.0	.0	.0	.1	.0	.0	.1	.9	1.2	1.4	1.3	.5	.2	.3	.8	1.5	1.8	1.2	.7	.6
140.	.0	.0	.0	.1	.0	.0	.1	.9	1.3	1.1	1.2	.5	.3	.2	.9	1.6	1.6	1.1	.7	.6
145.	.0	.0	.0	.1	.0	.0	.1	.9	1.2	1.2	1.2	.5	.3	.3	1.1	1.7	1.8	1.1	.7	.4
150.	.0	.0	.0	.1	.0	.0	.0	.8	1.2	1.2	1.2	.6	.5	.3	1.2	1.7	1.7	1.0	.7	.4
155.	.1	.1	.1	.3	.0	.0	.0	.7	1.2	1.2	1.2	.6	.5	.3	1.1	1.6	1.3	1.0	.7	.5
160.	.3	.1	.2	.3	.0	.0	.0	.7	1.2	1.2	1.3	.7	.6	.4	1.2	1.6	1.2	1.1	.8	.6
165.	.4	.2	.2	.5	.0	.0	.0	.7	1.1	1.2	1.4	.9	.7	.6	1.2	1.4	1.1	1.0	.7	.5
170.	.5	.4	.5	.8	.0	.0	.0	.7	1.1	1.2	1.3	1.0	1.0	.8	1.1	1.2	.9	1.2	.7	.4
175.	.7	.5	.7	.9	.0	.0	.0	.7	1.1	1.2	1.7	1.1	1.1	.9	1.1	1.0	.9	1.1	.5	.4
180.	.8	.6	.8	1.0	.3	.0	.0	.7	1.2	1.4	1.6	1.3	1.2	1.0	1.0	.7	.8	1.0	.4	.4
185.	.9	.7	.9	1.1	.3	.1	.0	.7	1.3	1.5	1.7	1.3	1.3	1.0	.6	.7	.5	.6	.3	.4
190.	.9	.7	1.0	1.0	.4	.2	.0	.7	1.4	1.6	1.4	1.3	1.4	1.0	.2	.5	.4	.6	.4	.4
195.	.9	.8	.9	.9	.3	.3	.0	.8	1.5	1.6	1.4	1.3	1.4	.8	.1	.1	.2	.3	.4	.3
200.	.9	.7	.8	.9	.3	.2	.1	.9	1.3	1.5	1.3	1.3	1.4	.8	.2	.1	.2	.4	.4	.4
205.	.9	.7	.7	.9	.2	.2	.1	.8	1.2	1.5	1.2	1.3	1.4	.7	.2	.2	.1	.4	.3	.4

1

JOB: S7 Lombard & Light NBAM21 RUN: Site 7 No Build AM 2021

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.7	.6	.7	.8	.3	.2	.0	.8	1.3	1.5	1.0	1.4	1.3	.6	.2	.1	.2	.4	.4	.4
215.	.7	.6	.7	.8	.3	.2	.1	1.1	1.5	1.5	1.0	1.4	1.4	.7	.2	.1	.2	.4	.4	.4
220.	.7	.6	.7	.8	.3	.2	.1	1.0	1.6	1.5	.9	1.6	1.3	.6	.1	.1	.2	.4	.4	.4
225.	.7	.6	.7	.7	.3	.2	.1	1.0	1.6	1.4	1.0	1.3	1.2	.5	.0	.1	.2	.4	.4	.4
230.	.7	.6	.7	.6	.3	.2	.1	1.1	1.5	1.4	.9	1.4	1.1	.5	.1	.1	.1	.5	.4	.4
235.	.6	.5	.7	.6	.3	.2	.1	1.1	1.5	1.3	.9	1.3	.9	.5	.1	.2	.1	.5	.4	.4
240.	.6	.5	.6	.6	.4	.3	.1	1.2	1.5	1.2	.9	1.3	.9	.5	.0	.2	.1	.5	.5	.5
245.	.6	.5	.7	.6	.4	.3	.2	1.4	1.4	1.0	1.0	1.3	.9	.5	.0	.1	.2	.5	.5	.5
250.	.6	.5	.6	.6	.4	.4	.3	1.2	1.2	1.2	.9	1.3	.7	.5	.0	.1	.2	.5	.6	.5
255.	.5	.5	.6	.6	.4	.5	.6	1.1	1.2	1.1	1.0	1.3	.7	.5	.0	.1	.2	.6	.4	.4
260.	.6	.5	.6	.7	.7	.6	.9	1.1	1.2	.9	1.0	1.3	.5	.5	.0	.0	.1	.5	.4	.5
265.	.6	.5	.6	.9	.8	1.1	1.2	.9	.9	.9	.9	1.2	.5	.5	.0	.0	.1	.5	.4	.4
270.	.6	.5	.6	.9	1.1	1.2	1.6	.7	.8	.8	.9	1.2	.4	.5	.0	.0	.0	.3	.3	.3
275.	.6	.5	.8	.9	1.2	1.4	1.6	.3	.5	.5	.8	1.1	.4	.5	.0	.0	.0	.3	.2	.2
280.	.6	.5	.8	1.0	1.4	1.6	1.7	.2	.5	.5	.8	1.1	.4	.5	.0	.0	.0	.1	.1	.2
285.	.5	.6	.7	.9	1.4	1.7	1.6	.1	.3	.4	.8	1.1	.4	.5	.0	.0	.0	.0	.0	.0
290.	.5	.8	.7	1.1	1.5	2.1	1.7	.1	.3	.5	.9	1.1	.4	.5	.0	.0	.0	.0	.0	.0
295.	.6	.6	.8	1.1	1.7	2.1	1.5	.0	.3	.6	1.0	1.1	.4	.5	.0	.0	.0	.0	.0	.0
300.	.6	.6	.8	1.0	1.7	1.9	1.5	.0	.2	.5	1.0	1.1	.5	.5	.0	.0	.0	.0	.0	.0
305.	.6	.7	.8	1.0	1.9	2.0	1.3	.0	.2	.5	1.0	1.1	.5	.5	.0	.0	.0	.0	.0	.0
310.	.6	.8	.7	1.0	1.8	1.9	1.2	.1	.2	.5	1.3	1.1	.5	.6	.0	.0	.0	.0	.0	.0
315.	.7	.8	.7	1.2	1.9	1.9	1.1	.1	.2	.4	1.3	1.2	.5	.6	.1	.0	.0	.0	.0	.0
320.	.7	.7	.8	1.1	1.9	1.6	1.2	.0	.1	.4	1.3	1.2	.5	.6	.1	.0	.0	.0	.0	.0
325.	.7	.7	.9	1.3	1.8	1.6	1.1	.0	.1	.4	1.3	1.2	.6	.6	.1	.0	.0	.0	.0	.0
330.	.7	.7	1.0	1.5	1.7	1.6	1.1	.0	.1	.4	1.3	1.2	.5	.6	.1	.0	.0	.0	.0	.0
335.	.8	.8	.9	1.5	1.8	1.5	1.0	.0	.1	.2	1.3	1.1	.5	.7	.1	.0	.0	.0	.0	.0
340.	.8	.9	1.1	1.6	1.6	1.6	1.0	.0	.1	.1	1.4	1.0	.6	.8	.2	.2	.1	.1	.0	.0
345.	.8	.9	1.4	1.7	1.5	1.5	1.0	.0	.0	.1	1.2	1.1	.6	.7	.3	.3	.2	.3	.0	.0
350.	.9	.9	1.5	1.8	1.4	1.4	.9	.0	.0	.1	1.1	.9	.6	.6	.5	.4	.3	.5	.0	.0

355. *	.8	.9	1.3	1.9	1.3	1.4	1.0	.0	.0	.0	.9	.6	.4	.5	.6	.6	.6	.6	.0	.0
360. *	.7	.9	1.0	1.7	1.3	1.5	1.0	.0	.0	.0	.6	.5	.3	.5	.8	.8	.7	.9	.1	.0
MAX *	.9	.9	1.5	1.9	1.9	2.1	1.7	1.4	1.6	1.6	1.7	1.6	1.4	1.0	1.2	1.7	1.8	1.8	1.3	1.1
DEGR. *	195	0	350	355	315	290	280	245	220	190	175	220	190	180	150	145	130	90	95	90

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JOB: S7 Lombard & Light NBAM21 RUN: Site 7 No Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.4	.4	.5	1.1	1.0	1.0	.7
5. *	.0	.4	.4	.6	1.3	1.1	1.0	.8
10. *	.0	.4	.5	.6	1.3	1.1	1.0	.9
15. *	.0	.4	.5	.7	1.5	.9	1.1	.9
20. *	.0	.4	.5	.8	1.4	1.1	1.2	1.0
25. *	.0	.4	.5	.8	1.1	1.1	1.2	1.0
30. *	.1	.6	.7	.9	1.1	1.2	1.2	.9
35. *	.1	.6	.6	.9	1.1	1.1	1.1	.9
40. *	.1	.6	.8	.9	1.2	1.1	1.1	.7
45. *	.1	.5	.7	.8	1.1	1.1	1.0	.8
50. *	.0	.6	.7	.8	1.2	1.2	1.0	.8
55. *	.0	.7	.9	1.0	1.1	1.2	1.0	.8
60. *	.1	.7	.8	1.1	1.4	1.1	1.0	.7
65. *	.1	.7	.9	1.2	1.5	1.2	.9	.6
70. *	.2	.9	1.3	1.2	1.7	1.3	.9	.6
75. *	.3	1.0	1.2	1.5	1.9	1.1	.9	.6
80. *	.4	1.1	1.2	1.4	2.0	1.0	.8	.6
85. *	.6	1.0	1.3	1.5	2.0	.9	.7	.6
90. *	.9	.9	1.3	1.4	1.6	.8	.7	.6
95. *	.7	.7	1.0	1.2	1.5	.7	.6	.6
100. *	.8	.5	.7	.9	1.2	.5	.5	.5
105. *	.7	.4	.5	.6	1.0	.5	.5	.5
110. *	.6	.4	.2	.5	.7	.5	.5	.5
115. *	.6	.2	.3	.4	.6	.6	.6	.6
120. *	.5	.2	.3	.3	.5	.6	.6	.6
125. *	.5	.2	.3	.4	.6	.7	.6	.7
130. *	.5	.2	.3	.4	.6	.6	.6	.7
135. *	.5	.2	.3	.4	.7	.7	.7	.6
140. *	.5	.2	.3	.4	.7	.7	.7	.7
145. *	.5	.0	.2	.4	.6	.7	.7	.7
150. *	.4	.1	.2	.3	.7	.7	.7	.8
155. *	.4	.1	.3	.3	.7	.8	.8	.8
160. *	.4	.0	.3	.4	.7	.9	.9	.8
165. *	.4	.0	.1	.3	.9	.9	.9	.9
170. *	.4	.0	.0	.3	.8	.9	.8	.8
175. *	.4	.0	.0	.2	.6	.7	.8	.7
180. *	.3	.0	.0	.0	.6	.6	.7	.5
185. *	.3	.0	.0	.0	.2	.4	.5	.4
190. *	.4	.0	.0	.0	.2	.2	.2	.3
195. *	.4	.0	.0	.0	.1	.1	.2	.2
200. *	.3	.0	.0	.0	.0	.1	.1	.0
205. *	.4	.0	.0	.0	.0	.0	.1	.0

1

JOB: S7 Lombard & Light NBAM21 RUN: Site 7 No Build AM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.4	.0	.1	.0	.0	.0	.1	.0
215. *	.4	.0	.1	.0	.0	.0	.1	.0
220. *	.4	.0	.1	.0	.0	.0	.1	.0
225. *	.4	.0	.1	.0	.0	.0	.1	.0
230. *	.4	.0	.1	.0	.0	.0	.1	.0
235. *	.5	.0	.1	.1	.0	.0	.0	.0
240. *	.5	.0	.1	.2	.0	.0	.0	.0
245. *	.5	.2	.2	.2	.1	.0	.0	.0
250. *	.4	.2	.2	.3	.2	.0	.0	.0
255. *	.4	.3	.4	.5	.2	.0	.0	.0
260. *	.5	.5	.5	.6	.4	.0	.0	.0
265. *	.5	.7	.6	.6	.5	.0	.0	.0
270. *	.4	.7	.7	.7	.6	.1	.0	.0
275. *	.2	.8	.8	.7	.6	.2	.0	.0
280. *	.1	.8	.7	.7	.7	.2	.1	.0
285. *	.1	.7	.7	.8	.6	.2	.1	.0
290. *	.0	.7	.7	.7	.5	.2	.2	.0
295. *	.0	.6	.7	.6	.5	.1	.2	.0
300. *	.0	.7	.6	.6	.6	.2	.1	.0

305.	*	.0	.6	.5	.6	.5	.2	.1	.0
310.	*	.0	.6	.5	.5	.4	.2	.1	.0
315.	*	.0	.5	.5	.6	.4	.2	.1	.1
320.	*	.0	.5	.5	.5	.4	.2	.1	.1
325.	*	.0	.5	.4	.5	.4	.2	.2	.2
330.	*	.0	.5	.4	.5	.4	.2	.2	.2
335.	*	.0	.4	.4	.4	.4	.2	.1	.1
340.	*	.0	.5	.4	.4	.4	.3	.2	.1
345.	*	.0	.4	.4	.4	.6	.4	.3	.2
350.	*	.0	.4	.4	.4	.8	.8	.5	.4
355.	*	.0	.4	.4	.4	1.0	.8	.9	.6
360.	*	.0	.4	.4	.5	1.1	1.0	1.0	.7
MAX	*	.9	1.1	1.3	1.5	2.0	1.3	1.2	1.0
DEGR.	*	90	80	70	75	80	70	20	20

THE HIGHEST CONCENTRATION IS 2.10 PPM AT 290 DEGREES FROM REC6 .
THE 2ND HIGHEST CONCENTRATION IS 2.00 PPM AT 80 DEGREES FROM REC25.
THE 3RD HIGHEST CONCENTRATION IS 1.90 PPM AT 315 DEGREES FROM REC5 .

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S7 Lombard & Light NBAM35               60.0321.0.0000.000280.30480000    1    1
SE MID S                 1929.     1457.       5.0
SE 164 S                 1929.     1652.       5.0
SE 82 S                  1914.     1732.       5.0
SE CNR                   1904.     1807.       5.0
SE 82 E                  1985.     1817.       5.0
SE 164 E                 2067.     1823.       5.0
SE MID E                 2245.     1834.       5.0
NE MID E                 2240.     1915.       5.0
NE 164 E                 2066.     1906.       5.0
NE 82 E                  1985.     1903.       5.0
NE CNR                   1905.     1900.       5.0
NE 82 N                  1899.     1981.       5.0
NE 164 N                 1895.     2062.       5.0
NE MID N                 1873.     2214.       5.0
NW MID N                 1807.     2211.       5.0
NW 164 N                 1816.     2058.       5.0
NW 82 N                  1820.     1976.       5.0
NW CNR                   1824.     1896.       5.0
NW 82 W                  1743.     1890.       5.0
NW 164 W                 1662.     1886.       5.0
NW MID W                 1511.     1878.       5.0
SW MID W                 1515.     1816.       5.0
SW 164 W                 1667.     1824.       5.0
SW 82 W                  1749.     1829.       5.0
SW CNR                   1826.     1827.       5.0
SW 82 S                  1834.     1750.       5.0
SW 164 S                 1838.     1668.       5.0
SW MID S                 1845.     1474.       5.0
Site 7 No Build AM 2035                  26  1   0
  1
WB        Lom       AG  2856.  1894.  2750.  1915.   2630. 7.9   0  80   30.
  1
WB        Lom       AG  2750.  1915.  2563.  1886.   2630. 7.9   0  80   30.
  1
WB        Lom       AG  2563.  1886.  2217.  1871.   2630. 7.9   0  80   30.
  1
WB        Lom thru  AG  2217.  1871.  2062.  1871.   1375. 7.9   0  56   30.
  1
WB        Lom thru  AG  2062.  1871.  1883.  1863.   1375. 7.9   0  56   30.
  2
WB        Lom thru  AG  1908.  1864.  2052.  1870.      0.  36   3
       140        75       2.0 1375   42.1 1175 1 3
  1
WB        Lom left  AG  2217.  1871.  2060.  1844.   1255. 7.9   0  44   30.
  1
WB        Lom left  AG  2060.  1844.  1887.  1834.   1255. 7.9   0  44   30.
  2
WB        Lom left  AG  1911.  1835.  2052.  1844.      0.  24   2
       140        86       2.0 1255   42.1 1300 1 3
  1
WB        Lom dep   AG  1883.  1863.  1719.  1850.   1740. 7.9   0  56   30.
  1
WB        Lom dep   AG  1719.  1850.  1491.  1839.   1740. 7.9   0  56   30.
  1
WB        Lom dep   AG  1491.  1839.  1129.  1842.   1740. 7.9   0  56   30.
  1
WB        Lom dep   AG  1129.  1842.   857.  1830.   1740. 7.9   0  56   30.
  1
SB        Lgt ap    AG  1787.  2858.  1811.  2537.   1750. 8.1   0  68   40.
  1
SB        Lgt ap    AG  1811.  2537.  1826.  2453.   1750. 8.1   0  68   40.
  1
SB        Lgt ap    AG  1826.  2453.  1844.  2142.   1750. 8.1   0  68   40.
  1
SB        Lgt thru  AG  1844.  2142.  1860.  2063.   1385. 8.1   0  68   40.
  1
SB        Lgt thru  AG  1860.  2063.  1871.  1875.   1385. 8.1   0  68   40.
  2
SB        Lgt thru  AG  1869.  1906.  1861.  2048.      0.  48   4
       140        75       2.0 1385   42.1 1232 1 3
  1
SB        Lgt right AG  1844.  2142.  1832.  2065.    365. 8.1   0  32   40.
  1
SB        Lgt right AG  1832.  2065.  1842.  1875.    365. 8.1   0  32   40.
  2
SB        Lgt right AG  1841.  1909.  1833.  2050.      0.  12   1
       140        85       2.0  365   42.1 1013 1 3
  1
SB        Lgt dep   AG  1871.  1875.  1877.  1701.   2640. 8.1   0  68   40.
  1
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SB        Lgt dep   AG  1877.  1701.  1891.  1421.   2640. 8.1   0  80   40.
  1
SB        Lgt dep   AG  1891.  1421.  1904.  1219.   2640. 8.1   0  80   40.
  1
SB        Lgt dep   AG  1904.  1219.  1931.   863.   2640. 8.1   0  80   40.
1.0   04  1000   0Y  5  0 72
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JOB: S7 Lombard & Light NBAM35 RUN: Site 7 No Build AM 2035
DATE: 09/07/2012 TIME: 09:47:21.84

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom	*	2856.0	1894.0	2750.0	1915.0	*	108.	281.	AG	2630.	7.9	.0	80.0		
2. WB	Lom	*	2750.0	1915.0	2563.0	1886.0	*	189.	261.	AG	2630.	7.9	.0	80.0		
3. WB	Lom	*	2563.0	1886.0	2217.0	1871.0	*	346.	268.	AG	2630.	7.9	.0	80.0		
4. WB	Lom thru	*	2217.0	1871.0	2062.0	1871.0	*	155.	270.	AG	1375.	7.9	.0	56.0		
5. WB	Lom thru	*	2062.0	1871.0	1883.0	1863.0	*	179.	267.	AG	1375.	7.9	.0	56.0		
6. WB	Lom thru	*	1908.0	1864.0	2129.1	1873.2	*	221.	88.	AG	181.	100.0	.0	36.0	.90	11.2
7. WB	Lom left	*	2217.0	1871.0	2060.0	1844.0	*	159.	260.	AG	1255.	7.9	.0	44.0		
8. WB	Lom left	*	2060.0	1844.0	1887.0	1834.0	*	173.	267.	AG	1255.	7.9	.0	44.0		
9. WB	Lom left	*	1911.0	1835.0	3947.4	1965.0	*	2041.	86.	AG	139.	100.0	.0	24.0	1.35	103.7
10. WB	Lom dep	*	1883.0	1863.0	1719.0	1850.0	*	165.	265.	AG	1740.	7.9	.0	56.0		
11. WB	Lom dep	*	1719.0	1850.0	1491.0	1839.0	*	228.	267.	AG	1740.	7.9	.0	56.0		
12. WB	Lom dep	*	1491.0	1839.0	1129.0	1842.0	*	362.	270.	AG	1740.	7.9	.0	56.0		
13. WB	Lom dep	*	1129.0	1842.0	857.0	1830.0	*	272.	267.	AG	1740.	7.9	.0	56.0		
14. SB	Lgt ap	*	1787.0	2858.0	1811.0	2537.0	*	322.	176.	AG	1750.	8.1	.0	68.0		
15. SB	Lgt ap	*	1811.0	2537.0	1826.0	2453.0	*	85.	170.	AG	1750.	8.1	.0	68.0		
16. SB	Lgt ap	*	1826.0	2453.0	1844.0	2142.0	*	312.	177.	AG	1750.	8.1	.0	68.0		
17. SB	Lgt thru	*	1844.0	2142.0	1860.0	2063.0	*	81.	169.	AG	1385.	8.1	.0	68.0		
18. SB	Lgt thru	*	1860.0	2063.0	1871.0	1875.0	*	188.	177.	AG	1385.	8.1	.0	68.0		
19. SB	Lgt thru	*	1869.0	1906.0	1861.0	2047.7	*	142.	357.	AG	242.	100.0	.0	48.0	.65	7.2
20. SB	Lgt right	*	1844.0	2142.0	1832.0	2065.0	*	78.	189.	AG	365.	8.1	.0	32.0		
21. SB	Lgt right	*	1832.0	2065.0	1842.0	1875.0	*	190.	177.	AG	365.	8.1	.0	32.0		
22. SB	Lgt right	*	1841.0	1909.0	1826.6	2163.0	*	254.	357.	AG	69.	100.0	.0	12.0	.99	12.9
23. SB	Lgt dep	*	1871.0	1875.0	1877.0	1701.0	*	174.	178.	AG	2640.	8.1	.0	68.0		
24. SB	Lgt dep	*	1877.0	1701.0	1891.0	1421.0	*	280.	177.	AG	2640.	8.1	.0	80.0		
25. SB	Lgt dep	*	1891.0	1421.0	1904.0	1219.0	*	202.	176.	AG	2640.	8.1	.0	80.0		
26. SB	Lgt dep	*	1904.0	1219.0	1931.0	863.0	*	357.	176.	AG	2640.	8.1	.0	80.0		

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JOB: S7 Lombard & Light NBAM35 RUN: Site 7 No Build AM 2035
DATE: 09/07/2012 TIME: 09:47:21.84

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. WB	Lom thru	*	140	75	2.0	1375	1175	42.10	1	3
9. WB	Lom left	*	140	86	2.0	1255	1300	42.10	1	3
19. SB	Lgt thru	*	140	75	2.0	1385	1232	42.10	1	3
22. SB	Lgt right	*	140	85	2.0	365	1013	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1929.0	1457.0	5.0	*
2. SE 164 S	*	1929.0	1652.0	5.0	*
3. SE 82 S	*	1914.0	1732.0	5.0	*
4. SE CNR	*	1904.0	1807.0	5.0	*
5. SE 82 E	*	1985.0	1817.0	5.0	*
6. SE 164 E	*	2067.0	1823.0	5.0	*
7. SE MID E	*	2245.0	1834.0	5.0	*
8. NE MID E	*	2240.0	1915.0	5.0	*
9. NE 164 E	*	2066.0	1906.0	5.0	*
10. NE 82 E	*	1985.0	1903.0	5.0	*
11. NE CNR	*	1905.0	1900.0	5.0	*
12. NE 82 N	*	1899.0	1981.0	5.0	*
13. NE 164 N	*	1895.0	2062.0	5.0	*
14. NE MID N	*	1873.0	2214.0	5.0	*
15. NW MID N	*	1807.0	2211.0	5.0	*
16. NW 164 N	*	1816.0	2058.0	5.0	*
17. NW 82 N	*	1820.0	1976.0	5.0	*
18. NW CNR	*	1824.0	1896.0	5.0	*
19. NW 82 W	*	1743.0	1890.0	5.0	*
20. NW 164 W	*	1662.0	1886.0	5.0	*
21. NW MID W	*	1511.0	1878.0	5.0	*
22. SW MID W	*	1515.0	1816.0	5.0	*
23. SW 164 W	*	1667.0	1824.0	5.0	*
24. SW 82 W	*	1749.0	1829.0	5.0	*
25. SW CNR	*	1826.0	1827.0	5.0	*
26. SW 82 S	*	1834.0	1750.0	5.0	*
27. SW 164 S	*	1838.0	1668.0	5.0	*
28. SW MID S	*	1845.0	1474.0	5.0	*

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JOB: S7 Lombard & Light NBAM35 RUN: Site 7 No Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.7	.9	1.1	1.6	1.4	1.5	1.0	.0	.0	.0	.6	.5	.3	.5	.7	.8	.8	.9	.1	.0
5.	.6	.6	.9	1.5	1.4	1.4	1.0	.0	.0	.0	.5	.3	.2	.4	.6	.8	.8	1.0	.1	.0
10.	.5	.5	.8	1.4	1.4	1.4	1.0	.0	.0	.0	.2	.2	.2	.2	.7	.8	1.0	1.2	.1	.1
15.	.4	.4	.6	1.4	1.3	1.3	1.0	.0	.0	.0	.1	.1	.0	.2	.6	.8	.9	1.4	.1	.1
20.	.3	.4	.6	1.2	1.4	1.3	1.0	.0	.0	.0	.1	.1	.0	.1	.6	.7	1.0	1.2	.1	.1
25.	.2	.4	.7	1.2	1.4	1.4	1.0	.0	.0	.0	.1	.0	.0	.1	.6	.8	1.1	1.2	.4	.1
30.	.2	.4	.7	1.2	1.4	1.5	1.0	.0	.0	.0	.0	.0	.0	.1	.6	.7	1.1	1.2	.4	.1
35.	.3	.2	.7	1.3	1.5	1.5	1.1	.0	.0	.0	.0	.0	.0	.1	.5	.7	1.2	1.2	.4	.1
40.	.3	.4	.7	1.4	1.5	1.5	1.2	.1	.0	.0	.0	.0	.0	.1	.5	.7	1.1	1.1	.4	.2
45.	.3	.5	.7	1.6	1.6	1.5	1.2	.1	.0	.0	.0	.0	.0	.0	.5	.6	1.2	1.1	.4	.1
50.	.3	.4	.8	1.6	1.7	1.6	1.3	.1	.0	.0	.0	.0	.0	.0	.5	.6	1.2	1.0	.4	.2
55.	.3	.2	.7	1.5	1.7	1.5	1.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	1.2	1.0	.5	.2
60.	.2	.2	.7	1.7	1.7	1.7	1.4	.1	.0	.0	.0	.0	.0	.0	.4	.5	1.2	1.0	.5	.3
65.	.1	.2	.6	1.8	1.8	1.7	1.5	.1	.0	.0	.0	.0	.0	.0	.4	.7	1.2	.8	.4	.3
70.	.1	.2	.5	1.7	1.8	1.5	1.6	.2	.1	.0	.0	.0	.0	.0	.4	.7	1.2	.8	.3	.3
75.	.1	.2	.3	1.4	1.8	1.5	1.5	.3	.3	.2	.4	.0	.0	.0	.4	.6	1.2	1.0	.6	.4
80.	.0	.2	.3	1.4	1.5	1.5	1.5	.6	.4	.5	.5	.0	.0	.0	.4	.7	1.2	1.1	.8	.6
85.	.0	.1	.2	1.1	1.2	1.3	1.3	.8	.6	.8	.8	.2	.0	.0	.5	.7	1.4	1.3	1.0	1.0
90.	.0	.0	.2	.9	1.1	.9	1.1	1.0	1.0	.9	1.0	.2	.1	.0	.4	.8	1.4	1.6	1.2	1.1
95.	.0	.0	.1	.4	.8	.7	.9	1.1	1.2	1.3	1.3	.2	.2	.0	.4	1.0	1.5	1.9	1.3	1.0
100.	.0	.0	.0	.4	.5	.4	.5	1.2	1.1	1.3	1.4	.3	.2	.1	.5	1.1	1.6	1.9	1.4	1.2
105.	.0	.0	.0	.2	.2	.3	.3	1.2	1.2	1.4	1.5	.5	.2	.1	.5	1.1	1.8	1.7	1.2	1.1
110.	.0	.0	.0	.0	.2	.2	.3	1.1	1.4	1.5	1.6	.6	.2	.2	.6	1.2	1.9	1.4	1.0	.9
115.	.0	.0	.0	.1	.0	.1	.1	1.1	1.3	1.5	1.5	.7	.2	.2	.6	1.3	1.9	1.7	1.0	.6
120.	.0	.0	.0	.1	.0	.0	.1	1.0	1.4	1.4	1.4	.7	.2	.2	.6	1.4	1.7	1.5	.9	.7
125.	.0	.0	.0	.1	.0	.0	.1	1.0	1.4	1.3	1.3	.6	.4	.2	.6	1.4	1.7	1.3	.7	.7
130.	.0	.0	.0	.1	.0	.0	.1	1.0	1.2	1.3	1.3	.5	.4	.3	.7	1.5	1.8	1.3	.7	.6
135.	.0	.0	.0	.1	.0	.0	.1	.8	1.2	1.2	1.2	.5	.3	.3	.6	1.6	1.6	1.3	.7	.6
140.	.0	.0	.0	.1	.0	.0	.1	.8	1.2	1.2	1.2	.5	.3	.2	.7	1.6	1.7	1.2	.7	.6
145.	.0	.0	.0	.1	.0	.0	.1	.8	1.2	1.2	1.1	.5	.3	.3	.9	1.7	1.7	1.3	.7	.4
150.	.0	.0	.1	.1	.0	.0	.1	.8	1.2	1.2	1.1	.6	.5	.3	1.0	1.7	1.8	1.2	.7	.4
155.	.1	.1	.1	.3	.0	.0	.0	.8	1.2	1.2	1.2	.6	.5	.3	1.0	1.7	1.5	1.1	.7	.6
160.	.3	.1	.2	.3	.0	.0	.0	.8	1.2	1.2	1.3	.7	.6	.4	1.0	1.7	1.1	1.2	.8	.7
165.	.4	.2	.3	.5	.0	.0	.0	.8	1.2	1.2	1.2	.9	.9	.5	1.0	1.5	1.2	1.2	.7	.6
170.	.5	.4	.6	.8	.0	.0	.0	.8	1.2	1.2	1.3	1.0	1.0	.8	1.0	1.2	1.3	1.2	.7	.4
175.	.8	.5	.8	1.0	.1	.0	.0	.8	1.2	1.3	1.7	1.2	1.1	.8	1.0	1.0	1.1	1.1	.6	.4
180.	.8	.6	.8	1.1	.3	.0	.0	.8	1.2	1.4	1.8	1.5	1.3	1.0	.9	.7	.8	1.0	.4	.4
185.	.9	.8	1.0	1.2	.3	.1	.0	.7	1.3	1.5	1.6	1.4	1.3	1.1	.8	.7	.5	.7	.4	.4
190.	1.0	.8	1.0	1.3	.4	.2	.0	.8	1.5	1.6	1.5	1.3	1.4	1.1	.2	.4	.5	.6	.4	.4
195.	1.0	.8	.9	1.0	.4	.3	.0	.8	1.5	1.6	1.5	1.3	1.4	.8	.1	.1	.2	.4	.4	.4
200.	.9	.8	.8	1.0	.3	.3	.1	.9	1.4	1.5	1.2	1.3	1.4	.8	.2	.1	.2	.4	.4	.4
205.	.9	.8	.8	1.0	.4	.2	.1	.7	1.3	1.6	1.3	1.4	1.4	.7	.2	.2	.2	.4	.5	.4

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JOB: S7 Lombard & Light NBAM35 RUN: Site 7 No Build AM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.8	.7	.8	.9	.3	.2	.1	.9	1.5	1.5	1.1	1.4	1.4	.7	.2	.1	.2	.4	.4	.4
215.	.7	.6	.8	.9	.3	.2	.2	1.0	1.4	1.5	1.0	1.4	1.4	.7	.2	.1	.2	.4	.4	.4
220.	.8	.6	.7	.9	.4	.2	.1	1.0	1.4	1.6	1.1	1.4	1.4	.7	.1	.1	.2	.4	.5	.4
225.	.7	.6	.7	.7	.3	.2	.1	1.0	1.4	1.4	1.0	1.5	1.3	.4	.0	.1	.2	.4	.5	.4
230.	.7	.6	.7	.7	.3	.3	.1	1.1	1.5	1.3	1.0	1.3	1.1	.4	.1	.1	.2	.5	.4	.4
235.	.7	.6	.7	.7	.4	.2	.1	1.3	1.5	1.3	1.0	1.3	1.1	.4	.1	.2	.1	.5	.4	.4
240.	.7	.6	.7	.6	.4	.3	.1	1.3	1.5	1.2	1.1	1.3	.9	.4	.0	.2	.1	.5	.5	.5
245.	.6	.5	.7	.6	.4	.4	.2	1.4	1.5	1.0	1.0	1.4	1.0	.4	.0	.1	.2	.6	.6	.5
250.	.7	.5	.6	.6	.4	.4	.3	1.4	1.4	1.2	1.1	1.4	.8	.4	.0	.1	.2	.6	.6	.5
255.	.6	.5	.7	.6	.4	.5	.6	1.2	1.2	1.1	1.0	1.4	.8	.4	.0	.1	.2	.6	.5	.6
260.	.6	.6	.6	.8	.7	.8	.8	1.0	1.3	1.0	1.0	1.4	.6	.4	.0	.0	.1	.5	.4	.5
265.	.6	.6	.6	1.0	.8	1.1	1.1	1.1	.9	1.0	.9	1.4	.5	.5	.0	.0	.1	.5	.4	.4
270.	.6	.6	.6	1.0	1.1	1.3	1.5	.7	.9	.8	.9	1.3	.6	.4	.0	.0	.0	.3	.3	.3
275.	.6	.6	.8	1.1	1.3	1.6	1.6	.4	.5	.6	.8	1.2	.5	.4	.0	.0	.0	.3	.2	.2
280.	.6	.5	.8	1.0	1.5	1.5	1.7	.2	.5	.6	.7	1.2	.4	.4	.0	.0	.0	.1	.2	.2
285.	.6	.6	.8	.9	1.4	1.8	1.7	.1	.4	.4	.8	1.2	.4	.4	.0	.0	.0	.0	.0	.0
290.	.6	.8	.8	1.1	1.6	1.9	1.7	.1	.3	.5	.9	1.1	.4	.4	.0	.0	.0	.0	.0	.0
295.	.6	.7	.8	1.1	1.7	2.1	1.5	.0	.3	.5	1.0	1.1	.5	.4	.0	.0	.0	.0	.0	.0
300.	.6	.6	.8	1.0	1.6	1.9	1.5	.0	.2	.5	1.1	1.1	.5	.4	.0	.0	.0	.0	.0	.0
305.	.7	.7	.9	1.1	1.7	1.8	1.3	.1	.2	.5	1.2	1.1	.5	.5	.0	.0	.0	.0	.0	.0
310.	.7	.8	.8	1.1	1.9	1.8	1.2	.1	.2	.4	1.2	1.1	.6	.5	.1	.0	.0	.0	.0	.0
315.	.7	.9	.8	1.3	1.8	1.8	1.3	.1	.2	.3	1.3	1.3	.5	.5	.1	.0	.0	.0	.0	.0
320.	.7	.7	.8	1.2	1.8	1.7	1.1	.1	.1	.3	1.2	1.3	.5	.5	.1	.0	.0	.0	.0	.0
325.	.8	.8	.9	1.3	1.7	1.6	1.0	.0	.1	.3	1.2	1.2	.6	.6	.1	.0	.0	.0	.0	.0
330.	.8	.8	1.0	1.6	1.8	1.4	1.0	.0	.1	.3	1.2	1.2	.5	.6	.1	.0	.0	.0	.0	.0
335.	.9	.9	1.0	1.6	1.8	1.4	1.1	.0	.1	.2	1.3	1.1	.4	.6	.1	.0	.0	.0	.0	.0
340.	.9	.9	1.1	1.7	1.7	1.6	1.0	.0	.1	.1	1.4	1.1	.5	.7	.2	.1	.0	.0	.0	.0
345.	.9	.9	1.3	1.8	1.6	1.5	.9	.0	.0	.1	1.3	1.0	.6	.7	.3	.2	.3	.4	.0	.0
350.	.9	1.1	1.3	1.9	1.5	1.4	1.0	.0	.0	.1	1.0	.8	.6	.7	.4	.4	.4	.5	.0	.0

355. *	.8	1.1	1.4	1.8	1.5	1.4	1.0	.0	.0	.0	.9	.7	.4	.6	.5	.5	.5	.5	.0	.0
360. *	.7	.9	1.1	1.6	1.4	1.5	1.0	.0	.0	.0	.6	.5	.3	.5	.7	.8	.8	.9	.1	.0
MAX *	1.0	1.1	1.4	1.9	1.9	2.1	1.7	1.4	1.5	1.6	1.8	1.5	1.4	1.1	1.0	1.7	1.9	1.9	1.4	1.2
DEGR. *	190	350	355	350	310	295	280	245	190	190	180	180	190	185	150	145	110	95	100	100

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JOB: S7 Lombard & Light NBAM35 RUN: Site 7 No Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.5	.4	.6	1.2	1.0	1.0	.7
5. *	.0	.5	.4	.6	1.3	1.1	1.0	.8
10. *	.0	.4	.5	.5	1.3	1.1	1.0	.8
15. *	.0	.4	.5	.6	1.4	.9	1.2	.9
20. *	.0	.4	.5	.9	1.3	1.0	1.3	1.0
25. *	.0	.5	.5	1.0	1.1	1.2	1.2	1.0
30. *	.1	.6	.6	.9	1.2	1.2	1.2	.9
35. *	.1	.6	.6	.9	1.1	1.2	1.2	.9
40. *	.1	.6	.7	.9	1.2	1.2	1.1	.8
45. *	.1	.5	.8	.9	1.2	1.1	1.2	.9
50. *	.0	.6	.8	.9	1.2	1.1	1.1	.8
55. *	.0	.7	.8	1.0	1.2	1.2	1.0	.8
60. *	.1	.7	.8	1.1	1.5	1.2	.9	.8
65. *	.1	.7	1.0	1.2	1.4	1.4	1.0	.8
70. *	.2	.9	1.3	1.4	1.8	1.4	.9	.7
75. *	.3	1.0	1.4	1.6	2.0	1.1	.9	.7
80. *	.5	1.0	1.3	1.4	2.1	1.0	.8	.6
85. *	.7	1.1	1.3	1.4	2.2	.9	.7	.6
90. *	.8	1.0	1.3	1.3	1.9	.8	.7	.6
95. *	.9	.7	1.1	1.2	1.5	.7	.6	.6
100. *	.8	.5	.7	1.1	1.3	.6	.6	.6
105. *	.8	.4	.6	.7	.9	.6	.6	.6
110. *	.7	.4	.5	.6	.7	.7	.6	.6
115. *	.7	.2	.3	.4	.7	.6	.6	.6
120. *	.7	.2	.3	.5	.6	.6	.6	.6
125. *	.6	.2	.3	.4	.6	.7	.7	.7
130. *	.5	.2	.4	.4	.6	.7	.7	.7
135. *	.5	.2	.3	.5	.7	.7	.7	.8
140. *	.5	.3	.3	.4	.7	.7	.7	.7
145. *	.5	.2	.3	.4	.7	.8	.8	.8
150. *	.4	.1	.2	.3	.8	.7	.9	.9
155. *	.5	.1	.3	.3	.7	.8	.9	.8
160. *	.4	.0	.3	.4	.9	.9	1.0	.8
165. *	.4	.0	.2	.4	.9	.9	1.0	.9
170. *	.4	.0	.1	.3	.8	.9	.9	.9
175. *	.4	.0	.0	.3	.7	.8	.8	.7
180. *	.4	.0	.0	.0	.6	.7	.7	.6
185. *	.4	.0	.0	.0	.3	.6	.6	.4
190. *	.4	.0	.0	.0	.2	.2	.4	.3
195. *	.4	.0	.0	.0	.1	.1	.2	.2
200. *	.4	.0	.0	.0	.0	.1	.1	.0
205. *	.4	.0	.0	.0	.0	.0	.1	.0

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JOB: S7 Lombard & Light NBAM35 RUN: Site 7 No Build AM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.4	.0	.1	.0	.0	.0	.1	.0
215. *	.4	.0	.1	.0	.0	.0	.1	.0
220. *	.4	.0	.1	.0	.0	.0	.1	.0
225. *	.4	.0	.1	.0	.0	.0	.1	.0
230. *	.4	.0	.1	.0	.0	.0	.1	.0
235. *	.5	.0	.1	.1	.0	.0	.1	.0
240. *	.5	.1	.1	.2	.1	.0	.0	.0
245. *	.5	.2	.2	.2	.1	.0	.0	.0
250. *	.4	.2	.2	.3	.2	.0	.0	.0
255. *	.5	.3	.4	.5	.2	.0	.0	.0
260. *	.5	.5	.5	.6	.4	.0	.0	.0
265. *	.5	.7	.6	.8	.6	.0	.0	.0
270. *	.4	.8	.8	.8	.6	.1	.0	.0
275. *	.2	.8	.8	.8	.7	.2	.0	.0
280. *	.1	.8	.8	.9	.7	.2	.1	.0
285. *	.1	.7	.7	.8	.7	.2	.1	.0
290. *	.0	.7	.7	.7	.6	.2	.2	.0
295. *	.0	.7	.7	.7	.6	.1	.2	.0
300. *	.0	.7	.6	.6	.6	.2	.2	.0

305.	*	.0	.7	.6	.6	.5	.2	.1	.1
310.	*	.0	.6	.5	.6	.5	.2	.1	.1
315.	*	.0	.6	.5	.6	.5	.2	.1	.1
320.	*	.0	.5	.5	.6	.4	.3	.1	.1
325.	*	.0	.6	.5	.5	.4	.2	.2	.2
330.	*	.0	.5	.5	.5	.4	.2	.2	.2
335.	*	.0	.5	.4	.5	.4	.3	.1	.2
340.	*	.0	.5	.4	.4	.4	.3	.2	.1
345.	*	.0	.4	.4	.4	.5	.4	.3	.3
350.	*	.0	.4	.4	.4	.8	.7	.5	.5
355.	*	.0	.4	.5	.4	1.0	.7	.9	.6
360.	*	.0	.5	.4	.6	1.2	1.0	1.0	.7
MAX	*	.9	1.1	1.4	1.6	2.2	1.4	1.3	1.0
DEGR.	*	95	85	75	75	85	65	20	20

THE HIGHEST CONCENTRATION IS 2.20 PPM AT 85 DEGREES FROM REC25.
THE 2ND HIGHEST CONCENTRATION IS 2.10 PPM AT 295 DEGREES FROM REC6 .
THE 3RD HIGHEST CONCENTRATION IS 1.90 PPM AT 350 DEGREES FROM REC4 .

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S7 Lombard & Light NBPM21               60.0321.0.0000.000280.30480000    1    1
SE MID S                 1929.     1457.       5.0
SE 164 S                 1929.     1652.       5.0
SE 82 S                  1914.     1732.       5.0
SE CNR                   1904.     1807.       5.0
SE 82 E                  1985.     1817.       5.0
SE 164 E                 2067.     1823.       5.0
SE MID E                 2245.     1834.       5.0
NE MID E                 2240.     1915.       5.0
NE 164 E                 2066.     1906.       5.0
NE 82 E                  1985.     1903.       5.0
NE CNR                   1905.     1900.       5.0
NE 82 N                  1899.     1981.       5.0
NE 164 N                 1895.     2062.       5.0
NE MID N                 1873.     2214.       5.0
NW MID N                 1807.     2211.       5.0
NW 164 N                 1816.     2058.       5.0
NW 82 N                  1820.     1976.       5.0
NW CNR                   1824.     1896.       5.0
NW 82 W                  1743.     1890.       5.0
NW 164 W                 1662.     1886.       5.0
NW MID W                 1511.     1878.       5.0
SW MID W                 1515.     1816.       5.0
SW 164 W                 1667.     1824.       5.0
SW 82 W                  1749.     1829.       5.0
SW CNR                   1826.     1827.       5.0
SW 82 S                  1834.     1750.       5.0
SW 164 S                 1838.     1668.       5.0
SW MID S                 1845.     1474.       5.0
Site 7 No Build PM 2021                  26  1   0
  1
WB        Lom       AG  2856.  1894.  2750.  1915.   2815. 8.1   0  80   30.
  1
WB        Lom       AG  2750.  1915.  2563.  1886.   2815. 8.1   0  80   30.
  1
WB        Lom       AG  2563.  1886.  2217.  1871.   2815. 8.1   0  80   30.
  1
WB        Lom thru  AG  2217.  1871.  2062.  1871.   1390. 8.1   0  56   30.
  1
WB        Lom thru  AG  2062.  1871.  1883.  1863.   1390. 8.1   0  56   30.
  2
WB        Lom thru  AG  1908.  1864.  2052.  1870.      0.  36   3
       100        53       2.0 1390   43.6  846 1 3
  1
WB        Lom left  AG  2217.  1871.  2060.  1844.   1425. 8.1   0  44   30.
  1
WB        Lom left  AG  2060.  1844.  1887.  1834.   1425. 8.1   0  44   30.
  2
WB        Lom left  AG  1911.  1835.  2052.  1844.      0.  24   2
       100        67       2.0 1425   43.6  887 1 3
  1
WB        Lom dep   AG  1883.  1863.  1719.  1850.   1540. 8.1   0  56   30.
  1
WB        Lom dep   AG  1719.  1850.  1491.  1839.   1540. 8.1   0  56   30.
  1
WB        Lom dep   AG  1491.  1839.  1129.  1842.   1540. 8.1   0  56   30.
  1
WB        Lom dep   AG  1129.  1842.   857.  1830.   1540. 8.1   0  56   30.
  1
SB        Lgt ap    AG  1787.  2858.  1811.  2537.   1455. 8.3   0  68   40.
  1
SB        Lgt ap    AG  1811.  2537.  1826.  2453.   1455. 8.3   0  68   40.
  1
SB        Lgt ap    AG  1826.  2453.  1844.  2142.   1455. 8.3   0  68   40.
  1
SB        Lgt thru  AG  1844.  2142.  1860.  2063.   1305. 8.3   0  68   40.
  1
SB        Lgt thru  AG  1860.  2063.  1871.  1875.   1305. 8.3   0  68   40.
  2
SB        Lgt thru  AG  1869.  1906.  1861.  2048.      0.  48   4
       100        59       2.0 1305   43.6 1259 1 3
  1
SB        Lgt right AG  1844.  2142.  1832.  2065.    150. 8.3   0  32   40.
  1
SB        Lgt right AG  1832.  2065.  1842.  1875.    150. 8.3   0  32   40.
  2
SB        Lgt right AG  1841.  1909.  1833.  2050.      0.  12   1
       100        71       2.0  150   43.6 1013 1 3
  1
SB        Lgt dep   AG  1871.  1875.  1877.  1701.   2730. 8.3   0  68   40.
  1
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SB        Lgt dep   AG  1877.  1701.  1891.  1421.   2730. 8.3   0  80   40.
  1
SB        Lgt dep   AG  1891.  1421.  1904.  1219.   2730. 8.3   0  80   40.
  1
SB        Lgt dep   AG  1904.  1219.  1931.   863.   2730. 8.3   0  80   40.
1.0   04  1000   0Y  5  0 72
```

JOB: S7 Lombard & Light NBPM21 RUN: Site 7 No Build PM 2021
DATE: 09/07/2012 TIME: 09:46:33.29

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom	*	2856.0	1894.0	2750.0	1915.0	*	108.	281.	AG	2815.	8.1	.0	80.0		
2. WB	Lom	*	2750.0	1915.0	2563.0	1886.0	*	189.	261.	AG	2815.	8.1	.0	80.0		
3. WB	Lom	*	2563.0	1886.0	2217.0	1871.0	*	346.	268.	AG	2815.	8.1	.0	80.0		
4. WB	Lom thru	*	2217.0	1871.0	2062.0	1871.0	*	155.	270.	AG	1390.	8.1	.0	56.0		
5. WB	Lom thru	*	2062.0	1871.0	1883.0	1863.0	*	179.	267.	AG	1390.	8.1	.0	56.0		
6. WB	Lom thru	*	1908.0	1864.0	3144.1	1915.5	*	1237.	88.	AG	186.	100.0	.0	36.0	1.28	62.8
7. WB	Lom left	*	2217.0	1871.0	2060.0	1844.0	*	159.	260.	AG	1425.	8.1	.0	44.0		
8. WB	Lom left	*	2060.0	1844.0	1887.0	1834.0	*	173.	267.	AG	1425.	8.1	.0	44.0		
9. WB	Lom left	*	1911.0	1835.0	6857.0	2150.7	*	4956.	86.	AG	157.	100.0	.0	24.0	2.77	251.8
10. WB	Lom dep	*	1883.0	1863.0	1719.0	1850.0	*	165.	265.	AG	1540.	8.1	.0	56.0		
11. WB	Lom dep	*	1719.0	1850.0	1491.0	1839.0	*	228.	267.	AG	1540.	8.1	.0	56.0		
12. WB	Lom dep	*	1491.0	1839.0	1129.0	1842.0	*	362.	270.	AG	1540.	8.1	.0	56.0		
13. WB	Lom dep	*	1129.0	1842.0	857.0	1830.0	*	272.	267.	AG	1540.	8.1	.0	56.0		
14. SB	Lgt ap	*	1787.0	2858.0	1811.0	2537.0	*	322.	176.	AG	1455.	8.3	.0	68.0		
15. SB	Lgt ap	*	1811.0	2537.0	1826.0	2453.0	*	85.	170.	AG	1455.	8.3	.0	68.0		
16. SB	Lgt ap	*	1826.0	2453.0	1844.0	2142.0	*	312.	177.	AG	1455.	8.3	.0	68.0		
17. SB	Lgt thru	*	1844.0	2142.0	1860.0	2063.0	*	81.	169.	AG	1305.	8.3	.0	68.0		
18. SB	Lgt thru	*	1860.0	2063.0	1871.0	1875.0	*	188.	177.	AG	1305.	8.3	.0	68.0		
19. SB	Lgt thru	*	1869.0	1906.0	1863.1	2011.0	*	105.	357.	AG	276.	100.0	.0	48.0	.70	5.3
20. SB	Lgt right	*	1844.0	2142.0	1832.0	2065.0	*	78.	189.	AG	150.	8.3	.0	32.0		
21. SB	Lgt right	*	1832.0	2065.0	1842.0	1875.0	*	190.	177.	AG	150.	8.3	.0	32.0		
22. SB	Lgt right	*	1841.0	1909.0	1837.7	1967.1	*	58.	357.	AG	83.	100.0	.0	12.0	.59	3.0
23. SB	Lgt dep	*	1871.0	1875.0	1877.0	1701.0	*	174.	178.	AG	2730.	8.3	.0	68.0		
24. SB	Lgt dep	*	1877.0	1701.0	1891.0	1421.0	*	280.	177.	AG	2730.	8.3	.0	80.0		
25. SB	Lgt dep	*	1891.0	1421.0	1904.0	1219.0	*	202.	176.	AG	2730.	8.3	.0	80.0		
26. SB	Lgt dep	*	1904.0	1219.0	1931.0	863.0	*	357.	176.	AG	2730.	8.3	.0	80.0		

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JOB: S7 Lombard & Light NBPM21 RUN: Site 7 No Build PM 2021
DATE: 09/07/2012 TIME: 09:46:33.29

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. WB	Lom thru	*	100	53	2.0	1390	846	43.60	1	3
9. WB	Lom left	*	100	67	2.0	1425	887	43.60	1	3
19. SB	Lgt thru	*	100	59	2.0	1305	1259	43.60	1	3
22. SB	Lgt right	*	100	71	2.0	150	1013	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1929.0	1457.0	5.0	*
2. SE 164 S	*	1929.0	1652.0	5.0	*
3. SE 82 S	*	1914.0	1732.0	5.0	*
4. SE CNR	*	1904.0	1807.0	5.0	*
5. SE 82 E	*	1985.0	1817.0	5.0	*
6. SE 164 E	*	2067.0	1823.0	5.0	*
7. SE MID E	*	2245.0	1834.0	5.0	*
8. NE MID E	*	2240.0	1915.0	5.0	*
9. NE 164 E	*	2066.0	1906.0	5.0	*
10. NE 82 E	*	1985.0	1903.0	5.0	*
11. NE CNR	*	1905.0	1900.0	5.0	*
12. NE 82 N	*	1899.0	1981.0	5.0	*
13. NE 164 N	*	1895.0	2062.0	5.0	*
14. NE MID N	*	1873.0	2214.0	5.0	*
15. NW MID N	*	1807.0	2211.0	5.0	*
16. NW 164 N	*	1816.0	2058.0	5.0	*
17. NW 82 N	*	1820.0	1976.0	5.0	*
18. NW CNR	*	1824.0	1896.0	5.0	*
19. NW 82 W	*	1743.0	1890.0	5.0	*
20. NW 164 W	*	1662.0	1886.0	5.0	*
21. NW MID W	*	1511.0	1878.0	5.0	*
22. SW MID W	*	1515.0	1816.0	5.0	*
23. SW 164 W	*	1667.0	1824.0	5.0	*
24. SW 82 W	*	1749.0	1829.0	5.0	*
25. SW CNR	*	1826.0	1827.0	5.0	*
26. SW 82 S	*	1834.0	1750.0	5.0	*
27. SW 164 S	*	1838.0	1668.0	5.0	*
28. SW MID S	*	1845.0	1474.0	5.0	*

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JOB: S7 Lombard & Light NBPM21 RUN: Site 7 No Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.7	.9	1.0	1.6	1.6	1.6	1.6	.0	.0	.0	.5	.4	.2	.4	.5	.3	.3	.8	.1	.0
5.	.7	.6	.9	1.3	1.6	1.6	1.6	.0	.0	.0	.4	.2	.2	.3	.6	.5	.3	.8	.1	.0
10.	.6	.5	.8	1.4	1.6	1.5	1.5	.0	.0	.0	.2	.1	.1	.2	.6	.4	.5	1.1	.1	.0
15.	.4	.4	.7	1.4	1.6	1.4	1.5	.0	.0	.0	.1	.1	.0	.1	.5	.4	.6	1.2	.1	.1
20.	.4	.4	.8	1.4	1.6	1.5	1.5	.0	.0	.0	.1	.1	.0	.1	.5	.4	.6	1.1	.1	.1
25.	.3	.4	.8	1.4	1.6	1.6	1.6	.0	.0	.0	.0	.0	.0	.1	.5	.3	.6	1.2	.2	.1
30.	.3	.5	.8	1.4	1.6	1.6	1.6	.0	.0	.0	.0	.0	.0	.1	.5	.4	.7	1.2	.2	.1
35.	.4	.6	.7	1.4	1.6	1.6	1.6	.1	.0	.0	.0	.0	.0	.1	.5	.4	.7	1.2	.2	.1
40.	.4	.5	.7	1.6	1.7	1.7	1.8	.1	.0	.0	.0	.0	.0	.0	.4	.4	.7	1.2	.2	.0
45.	.4	.6	.9	1.6	1.6	1.8	1.8	.1	.0	.0	.0	.0	.0	.0	.4	.3	.6	1.1	.3	.0
50.	.4	.6	.8	1.7	1.9	2.0	1.9	.1	.0	.0	.0	.0	.0	.0	.4	.3	.7	1.0	.3	.2
55.	.4	.5	.9	1.6	1.9	2.0	2.0	.1	.0	.0	.0	.0	.0	.0	.4	.2	.7	1.0	.4	.2
60.	.3	.5	.8	1.7	2.0	2.1	2.0	.1	.0	.0	.0	.0	.0	.0	.4	.2	.8	.9	.4	.2
65.	.2	.5	.7	2.1	2.2	2.2	2.2	.1	.0	.0	.0	.0	.0	.0	.3	.3	.8	.9	.4	.2
70.	.2	.5	.8	2.0	2.3	2.2	2.3	.3	.2	.1	.1	.0	.0	.0	.3	.3	.9	.8	.5	.4
75.	.1	.4	.7	1.9	2.3	2.3	2.2	.6	.5	.4	.5	.0	.0	.0	.4	.3	.9	1.2	.6	.5
80.	.1	.4	.5	1.8	2.0	2.2	2.2	1.0	.8	.8	.8	.2	.0	.0	.4	.3	1.1	1.3	1.0	.7
85.	.1	.2	.4	1.7	1.8	1.8	1.9	1.3	1.1	1.2	1.1	.3	.1	.0	.4	.4	1.3	1.4	1.3	1.0
90.	.0	.1	.3	1.2	1.4	1.4	1.6	1.6	1.5	1.4	1.4	.5	.2	.1	.5	.5	1.5	2.0	1.4	1.3
95.	.0	.0	.1	.8	1.1	1.0	1.2	1.9	1.8	1.6	1.7	.5	.3	.1	.5	.6	1.5	2.0	1.5	1.2
100.	.0	.0	.0	.5	.6	.5	.7	1.9	1.8	1.8	1.7	.5	.3	.2	.6	.6	1.7	2.0	1.4	1.1
105.	.0	.0	.0	.2	.3	.4	.5	2.0	1.8	1.8	1.8	.8	.4	.2	.5	.7	1.9	1.9	1.3	1.0
110.	.0	.0	.0	.1	.2	.2	.3	1.7	1.8	1.7	1.7	.8	.4	.3	.6	.7	2.0	1.7	1.0	.8
115.	.0	.0	.0	.1	.1	.1	.1	1.7	1.7	1.7	1.7	.9	.4	.3	.6	.8	1.9	1.5	1.1	.7
120.	.0	.0	.0	.1	.0	.0	.1	1.7	1.6	1.5	1.5	.9	.5	.3	.7	.8	1.7	1.6	1.0	.7
125.	.0	.0	.0	.1	.0	.0	.1	1.7	1.6	1.5	1.5	.9	.6	.3	.7	.9	1.7	1.3	.7	.6
130.	.0	.0	.0	.1	.0	.0	.1	1.5	1.5	1.5	1.4	.8	.6	.3	.8	1.1	1.8	1.3	.8	.6
135.	.0	.0	.0	.1	.0	.0	.1	1.5	1.4	1.4	1.4	.6	.5	.3	.7	1.2	1.8	1.2	.8	.6
140.	.0	.0	.0	.1	.0	.0	.1	1.5	1.3	1.4	1.2	.5	.4	.3	.7	1.2	1.6	1.0	.7	.7
145.	.0	.0	.0	.1	.0	.0	.1	1.5	1.3	1.2	1.2	.5	.5	.3	.6	1.3	1.8	1.1	.8	.5
150.	.0	.0	.1	.1	.0	.0	.1	1.4	1.3	1.2	1.1	.6	.6	.3	.8	1.3	1.8	1.0	.6	.5
155.	.1	.1	.1	.3	.0	.0	.0	1.4	1.2	1.2	1.2	.6	.5	.3	.8	1.4	1.5	1.0	.6	.5
160.	.3	.1	.2	.3	.0	.0	.0	1.3	1.2	1.2	1.3	.7	.6	.3	.8	1.4	1.2	1.0	.8	.6
165.	.4	.3	.4	.5	.0	.0	.0	1.3	1.2	1.2	1.3	.9	.8	.7	.8	1.2	1.1	1.2	.7	.6
170.	.5	.4	.6	.9	.0	.0	.0	1.4	1.3	1.2	1.3	1.0	1.0	.8	.7	1.0	1.1	1.2	.6	.4
175.	.8	.5	.8	1.0	.2	.0	.0	1.4	1.3	1.3	1.7	1.3	1.2	.7	.7	.9	1.1	1.1	.5	.4
180.	.9	.6	.9	1.2	.3	.0	.0	1.4	1.2	1.5	1.8	1.7	1.2	.7	.8	.5	.7	1.0	.3	.4
185.	1.0	.8	1.0	1.2	.3	.1	.0	1.3	1.4	1.5	1.8	1.7	1.2	.7	.7	.5	.4	.6	.3	.3
190.	1.1	.9	1.1	1.3	.4	.2	.0	1.4	1.6	1.7	1.6	1.4	1.3	.9	.1	.3	.4	.5	.4	.3
195.	1.0	.9	1.0	1.1	.4	.3	.1	1.4	1.6	1.6	1.5	1.4	1.2	.6	.1	.1	.2	.3	.4	.3
200.	1.0	.8	.9	1.1	.4	.3	.1	1.5	1.5	1.5	1.2	1.3	1.1	.6	.1	.1	.2	.3	.4	.3
205.	.9	.8	.9	1.0	.4	.3	.1	1.5	1.6	1.6	1.3	1.4	1.0	.4	.2	.2	.1	.4	.3	.3

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JOB: S7 Lombard & Light NBPM21 RUN: Site 7 No Build PM 2021

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.8	.7	.9	1.0	.4	.3	.2	1.7	1.7	1.5	1.2	1.3	.9	.4	.2	.1	.1	.4	.4	.4
215.	.9	.7	.8	.9	.3	.2	.2	1.6	1.5	1.6	1.0	1.5	.8	.6	.1	.1	.2	.4	.4	.4
220.	.8	.7	.8	.9	.4	.2	.2	1.6	1.5	1.7	1.0	1.6	.8	.5	.0	.1	.2	.4	.4	.4
225.	.8	.6	.8	.8	.4	.2	.1	1.6	1.5	1.6	1.0	1.3	.6	.4	.0	.1	.2	.4	.4	.4
230.	.7	.6	.7	.7	.3	.3	.1	1.7	1.6	1.6	1.0	1.4	.5	.4	.1	.1	.1	.5	.4	.4
235.	.7	.6	.7	.7	.5	.3	.1	1.9	1.5	1.4	.9	1.4	.5	.4	.0	.1	.1	.5	.4	.4
240.	.7	.6	.7	.7	.4	.3	.1	2.0	1.5	1.3	.9	1.4	.5	.3	.0	.2	.1	.5	.4	.5
245.	.6	.6	.7	.7	.4	.4	.2	2.0	1.6	1.0	.9	1.4	.5	.3	.0	.1	.2	.4	.4	.5
250.	.7	.6	.7	.7	.4	.5	.4	1.8	1.4	1.3	1.0	1.4	.4	.3	.0	.1	.2	.5	.6	.5
255.	.6	.6	.7	.7	.5	.5	.6	1.6	1.1	1.2	.9	1.4	.3	.4	.0	.1	.2	.5	.4	.4
260.	.7	.6	.6	.8	.7	.7	.9	1.3	1.3	.9	1.0	1.3	.3	.4	.0	.0	.1	.5	.4	.5
265.	.7	.6	.7	1.0	.9	1.2	1.4	1.3	1.0	.9	.9	1.1	.3	.4	.0	.0	.1	.4	.3	.3
270.	.7	.6	.7	1.0	1.1	1.3	1.7	.9	.8	.8	.9	1.1	.4	.4	.0	.0	.0	.3	.3	.3
275.	.7	.6	.8	1.0	1.2	1.7	1.8	.5	.5	.5	.8	1.1	.3	.4	.0	.0	.0	.3	.2	.2
280.	.6	.6	.8	1.1	1.5	1.6	2.1	.2	.5	.5	.9	1.1	.3	.4	.0	.0	.0	.1	.1	.2
285.	.6	.7	.8	1.1	1.6	2.1	2.3	.2	.4	.5	.8	1.0	.3	.3	.0	.0	.0	.0	.0	.0
290.	.6	.8	.7	1.1	1.6	2.2	2.2	.0	.3	.5	.9	1.0	.3	.3	.0	.0	.0	.0	.0	.0
295.	.6	.7	.8	1.2	1.9	2.2	2.1	.0	.2	.5	1.0	.9	.3	.4	.0	.0	.0	.0	.0	.0
300.	.7	.7	.9	1.1	1.9	2.0	2.0	.0	.2	.5	1.0	.9	.4	.4	.0	.0	.0	.0	.0	.0
305.	.7	.7	.9	1.1	2.1	1.9	1.9	.0	.2	.4	1.1	.8	.4	.4	.0	.0	.0	.0	.0	.0
310.	.7	.7	.8	1.1	2.0	1.9	1.7	.0	.2	.3	1.2	.8	.4	.4	.0	.0	.0	.0	.0	.0
315.	.8	.8	.8	1.2	1.9	1.8	1.8	.0	.1	.3	1.2	.8	.4	.4	.0	.0	.0	.0	.0	.0
320.	.8	.7	.9	1.3	1.9	1.8	1.7	.0	.1	.2	1.2	.8	.4	.5	.1	.0	.0	.0	.0	.0
325.	.8	.8	1.0	1.4	1.9	1.7	1.6	.0	.1	.3	1.2	.8	.4	.5	.1	.0	.0	.0	.0	.0
330.	.8	.8	1.1	1.5	1.9	1.6	1.6	.0	.1	.3	1.1	.8	.5	.5	.1	.0	.0	.0	.0	.0
335.	.9	.8	1.0	1.5	1.9	1.6	1.6	.0	.1	.1	1.2	.7	.4	.5	.1	.0	.0	.0	.0	.0
340.	.9	.9	1.1	1.6	1.9	1.7	1.6	.0	.1	.1	1.2	.7	.4	.6	.1	.1	.0	.0	.0	.0
345.	.9	.9	1.2	1.8	1.7	1.6	1.5	.0	.0	.1	1.1	.7	.4	.6	.2	.2	.1	.0	.0	.0
350.	.8	.9	1.5	1.8	1.7	1.6	1.5	.0	.0	.1	.9	.5	.4	.5	.4	.3	.1	.3	.0	.0

355. *	.8	1.0	1.2	1.8	1.6	1.5	1.6	.0	.0	.0	.7	.5	.3	.5	.5	.3	.3	.4	.0	.0
360. *	.7	.9	1.0	1.6	1.6	1.6	1.6	.0	.0	.0	.5	.4	.2	.4	.5	.3	.3	.8	.1	.0
MAX *	1.1	1.0	1.5	2.1	2.3	2.3	2.3	2.0	1.8	1.8	1.8	1.7	1.3	.9	.8	1.4	2.0	2.0	1.5	1.3
DEGR. *	190	355	350	65	70	75	70	240	95	100	180	185	190	190	130	155	110	95	95	90

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JOB: S7 Lombard & Light NBPM21 RUN: Site 7 No Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.4	.4	.5	1.0	1.0	.9	.7
5. *	.0	.4	.4	.5	1.2	1.0	1.0	.8
10. *	.0	.4	.4	.5	1.2	.9	1.0	.9
15. *	.0	.4	.5	.6	1.1	1.0	1.4	1.0
20. *	.0	.4	.5	.7	1.1	1.0	1.5	1.1
25. *	.0	.4	.5	.6	1.1	1.3	1.2	1.1
30. *	.0	.4	.5	.7	1.2	1.3	1.2	1.0
35. *	.1	.5	.5	.8	1.1	1.1	1.2	.9
40. *	.1	.5	.7	.8	1.3	1.2	1.2	1.0
45. *	.0	.5	.7	.8	1.2	1.2	1.3	1.0
50. *	.0	.5	.7	.8	1.1	1.4	1.2	1.0
55. *	.0	.6	.8	.9	1.4	1.3	1.3	.9
60. *	.0	.7	.8	1.0	1.5	1.5	1.2	.9
65. *	.1	.7	.9	1.1	1.5	1.7	1.2	.9
70. *	.1	1.0	1.2	1.4	1.9	1.7	1.2	.8
75. *	.4	1.0	1.6	1.6	2.3	1.6	1.2	.7
80. *	.5	1.2	1.4	1.6	2.4	1.3	1.0	.7
85. *	.8	1.2	1.4	1.6	2.4	1.1	.9	.8
90. *	1.1	1.0	1.4	1.6	2.1	1.1	.8	.7
95. *	.9	.8	1.3	1.4	1.8	.8	.6	.6
100. *	.8	.6	.7	1.2	1.6	.7	.6	.6
105. *	.8	.4	.6	.8	1.0	.6	.6	.6
110. *	.5	.4	.4	.5	.8	.7	.6	.6
115. *	.6	.2	.3	.4	.8	.7	.6	.7
120. *	.6	.2	.3	.5	.6	.7	.7	.7
125. *	.5	.2	.3	.5	.6	.7	.7	.7
130. *	.5	.2	.4	.4	.6	.7	.7	.7
135. *	.5	.2	.3	.5	.7	.8	.8	.8
140. *	.5	.3	.3	.4	.7	.8	.8	.8
145. *	.6	.2	.3	.3	.7	.8	.8	.8
150. *	.5	.1	.2	.3	.8	.9	.9	.9
155. *	.4	.1	.3	.3	.9	.9	.9	1.0
160. *	.3	.1	.3	.4	.9	1.1	1.0	1.0
165. *	.3	.0	.2	.4	.9	1.1	1.0	1.0
170. *	.3	.0	.1	.3	.8	.9	.9	.9
175. *	.3	.0	.0	.3	.8	.9	.8	.8
180. *	.3	.0	.0	.0	.6	.7	.7	.7
185. *	.3	.0	.0	.0	.4	.6	.6	.4
190. *	.4	.0	.0	.0	.2	.2	.4	.3
195. *	.4	.0	.0	.0	.1	.1	.2	.2
200. *	.3	.0	.0	.0	.0	.1	.1	.0
205. *	.4	.0	.0	.0	.0	.0	.1	.0

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JOB: S7 Lombard & Light NBPM21 RUN: Site 7 No Build PM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.4	.0	.1	.0	.0	.0	.1	.0
215. *	.4	.0	.1	.0	.0	.0	.1	.0
220. *	.3	.0	.1	.0	.0	.0	.1	.0
225. *	.4	.0	.1	.0	.0	.0	.1	.0
230. *	.4	.0	.1	.0	.0	.0	.1	.0
235. *	.4	.0	.1	.1	.0	.0	.1	.0
240. *	.5	.0	.1	.2	.0	.0	.0	.0
245. *	.5	.2	.2	.2	.1	.0	.0	.0
250. *	.4	.2	.2	.2	.2	.0	.0	.0
255. *	.4	.3	.4	.5	.2	.0	.0	.0
260. *	.5	.5	.5	.6	.4	.0	.0	.0
265. *	.4	.6	.5	.6	.5	.0	.0	.0
270. *	.4	.7	.6	.7	.6	.1	.0	.0
275. *	.2	.8	.7	.7	.6	.2	.0	.0
280. *	.1	.7	.7	.7	.7	.2	.1	.0
285. *	.1	.7	.7	.7	.6	.2	.1	.0
290. *	.0	.7	.7	.7	.5	.2	.1	.0
295. *	.0	.6	.6	.6	.5	.1	.2	.0
300. *	.0	.6	.5	.6	.5	.2	.1	.0

305.	*	.0	.6	.5	.6	.4	.2	.1	.0
310.	*	.0	.6	.5	.5	.4	.2	.1	.1
315.	*	.0	.5	.5	.5	.4	.2	.1	.1
320.	*	.0	.5	.4	.5	.4	.2	.1	.1
325.	*	.0	.5	.4	.5	.4	.2	.2	.2
330.	*	.0	.4	.4	.4	.4	.2	.2	.2
335.	*	.0	.4	.4	.4	.4	.3	.1	.1
340.	*	.0	.5	.4	.4	.4	.3	.2	.2
345.	*	.0	.4	.4	.4	.5	.4	.3	.3
350.	*	.0	.4	.4	.4	.7	.6	.5	.4
355.	*	.0	.4	.4	.4	.7	.8	.8	.6
360.	*	.0	.4	.4	.5	1.0	1.0	.9	.7
MAX	*	1.1	1.2	1.6	1.6	2.4	1.7	1.5	1.1
DEGR.	*	90	80	75	80	80	65	20	20

THE HIGHEST CONCENTRATION IS 2.40 PPM AT 80 DEGREES FROM REC25.
THE 2ND HIGHEST CONCENTRATION IS 2.30 PPM AT 70 DEGREES FROM REC5 .
THE 3RD HIGHEST CONCENTRATION IS 2.30 PPM AT 75 DEGREES FROM REC6 .

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S7 Lombard & Light NBPM35               60.0321.0.0000.000280.30480000    1    1
SE MID S                 1929.     1457.       5.0
SE 164 S                 1929.     1652.       5.0
SE 82 S                  1914.     1732.       5.0
SE CNR                   1904.     1807.       5.0
SE 82 E                  1985.     1817.       5.0
SE 164 E                 2067.     1823.       5.0
SE MID E                 2245.     1834.       5.0
NE MID E                 2240.     1915.       5.0
NE 164 E                 2066.     1906.       5.0
NE 82 E                  1985.     1903.       5.0
NE CNR                   1905.     1900.       5.0
NE 82 N                  1899.     1981.       5.0
NE 164 N                 1895.     2062.       5.0
NE MID N                 1873.     2214.       5.0
NW MID N                 1807.     2211.       5.0
NW 164 N                 1816.     2058.       5.0
NW 82 N                  1820.     1976.       5.0
NW CNR                   1824.     1896.       5.0
NW 82 W                  1743.     1890.       5.0
NW 164 W                 1662.     1886.       5.0
NW MID W                 1511.     1878.       5.0
SW MID W                 1515.     1816.       5.0
SW 164 W                 1667.     1824.       5.0
SW 82 W                  1749.     1829.       5.0
SW CNR                   1826.     1827.       5.0
SW 82 S                  1834.     1750.       5.0
SW 164 S                 1838.     1668.       5.0
SW MID S                 1845.     1474.       5.0
Site 7 No Build PM 2035                  26  1   0
  1
WB        Lom       AG  2856.  1894.  2750.  1915.   2835. 7.8   0  80   30.
  1
WB        Lom       AG  2750.  1915.  2563.  1886.   2835. 7.8   0  80   30.
  1
WB        Lom       AG  2563.  1886.  2217.  1871.   2835. 7.8   0  80   30.
  1
WB        Lom thru  AG  2217.  1871.  2062.  1871.   1435. 7.8   0  56   30.
  1
WB        Lom thru  AG  2062.  1871.  1883.  1863.   1435. 7.8   0  56   30.
  2
WB        Lom thru  AG  1908.  1864.  2052.  1870.      0.  36   3
       100        50       2.0 1435   42.1  846 1 3
  1
WB        Lom left  AG  2217.  1871.  2060.  1844.   1435. 7.8   0  44   30.
  1
WB        Lom left  AG  2060.  1844.  1887.  1834.   1435. 7.8   0  44   30.
  2
WB        Lom left  AG  1911.  1835.  2052.  1844.      0.  24   2
       100        63       2.0 1435   42.1  887 1 3
  1
WB        Lom dep   AG  1883.  1863.  1719.  1850.   1555. 7.8   0  56   30.
  1
WB        Lom dep   AG  1719.  1850.  1491.  1839.   1555. 7.8   0  56   30.
  1
WB        Lom dep   AG  1491.  1839.  1129.  1842.   1555. 7.8   0  56   30.
  1
WB        Lom dep   AG  1129.  1842.   857.  1830.   1555. 7.8   0  56   30.
  1
SB        Lgt ap    AG  1787.  2858.  1811.  2537.   1505. 8.1   0  68   40.
  1
SB        Lgt ap    AG  1811.  2537.  1826.  2453.   1505. 8.1   0  68   40.
  1
SB        Lgt ap    AG  1826.  2453.  1844.  2142.   1505. 8.1   0  68   40.
  1
SB        Lgt thru  AG  1844.  2142.  1860.  2063.   1350. 8.1   0  68   40.
  1
SB        Lgt thru  AG  1860.  2063.  1871.  1875.   1350. 8.1   0  68   40.
  2
SB        Lgt thru  AG  1869.  1906.  1861.  2048.      0.  48   4
       100        57       2.0 1350   42.1 1259 1 3
  1
SB        Lgt right AG  1844.  2142.  1832.  2065.    155. 8.1   0  32   40.
  1
SB        Lgt right AG  1832.  2065.  1842.  1875.    155. 8.1   0  32   40.
  2
SB        Lgt right AG  1841.  1909.  1833.  2050.      0.  12   1
       100        67       2.0  155   42.1 1013 1 3
  1
SB        Lgt dep   AG  1871.  1875.  1877.  1701.   2785. 8.1   0  68   40.
  1
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SB        Lgt dep   AG  1877.  1701.  1891.  1421.   2785. 8.1   0  80   40.
  1
SB        Lgt dep   AG  1891.  1421.  1904.  1219.   2785. 8.1   0  80   40.
  1
SB        Lgt dep   AG  1904.  1219.  1931.   863.   2785. 8.1   0  80   40.
1.0   04  1000   0Y  5  0 72
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JOB: S7 Lombard & Light NBPM35 RUN: Site 7 No Build PM 2035
DATE: 09/07/2012 TIME: 09:47:37.33

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom	2856.0	1894.0	2750.0	1915.0	108.	281.	AG	2835.	7.8	.0	80.0		
2. WB	Lom	2750.0	1915.0	2563.0	1886.0	189.	261.	AG	2835.	7.8	.0	80.0		
3. WB	Lom	2563.0	1886.0	2217.0	1871.0	346.	268.	AG	2835.	7.8	.0	80.0		
4. WB	Lom thru	2217.0	1871.0	2062.0	1871.0	155.	270.	AG	1435.	7.8	.0	56.0		
5. WB	Lom thru	2062.0	1871.0	1883.0	1863.0	179.	267.	AG	1435.	7.8	.0	56.0		
6. WB	Lom thru	1908.0	1864.0	3032.1	1910.8	1125.	88.	AG	169.	100.0	.0	36.0	1.23	57.2
7. WB	Lom left	2217.0	1871.0	2060.0	1844.0	159.	260.	AG	1435.	7.8	.0	44.0		
8. WB	Lom left	2060.0	1844.0	1887.0	1834.0	173.	267.	AG	1435.	7.8	.0	44.0		
9. WB	Lom left	1911.0	1835.0	6536.6	2130.3	4635.	86.	AG	142.	100.0	.0	24.0	2.46	235.5
10. WB	Lom dep	1883.0	1863.0	1719.0	1850.0	165.	265.	AG	1555.	7.8	.0	56.0		
11. WB	Lom dep	1719.0	1850.0	1491.0	1839.0	228.	267.	AG	1555.	7.8	.0	56.0		
12. WB	Lom dep	1491.0	1839.0	1129.0	1842.0	362.	270.	AG	1555.	7.8	.0	56.0		
13. WB	Lom dep	1129.0	1842.0	857.0	1830.0	272.	267.	AG	1555.	7.8	.0	56.0		
14. SB	Lgt ap	1787.0	2858.0	1811.0	2537.0	322.	176.	AG	1505.	8.1	.0	68.0		
15. SB	Lgt ap	1811.0	2537.0	1826.0	2453.0	85.	170.	AG	1505.	8.1	.0	68.0		
16. SB	Lgt ap	1826.0	2453.0	1844.0	2142.0	312.	177.	AG	1505.	8.1	.0	68.0		
17. SB	Lgt thru	1844.0	2142.0	1860.0	2063.0	81.	169.	AG	1350.	8.1	.0	68.0		
18. SB	Lgt thru	1860.0	2063.0	1871.0	1875.0	188.	177.	AG	1350.	8.1	.0	68.0		
19. SB	Lgt thru	1869.0	1906.0	1863.1	2010.9	105.	357.	AG	257.	100.0	.0	48.0	.69	5.3
20. SB	Lgt right	1844.0	2142.0	1832.0	2065.0	78.	189.	AG	155.	8.1	.0	32.0		
21. SB	Lgt right	1832.0	2065.0	1842.0	1875.0	190.	177.	AG	155.	8.1	.0	32.0		
22. SB	Lgt right	1841.0	1909.0	1837.8	1965.7	57.	357.	AG	76.	100.0	.0	12.0	.53	2.9
23. SB	Lgt dep	1871.0	1875.0	1877.0	1701.0	174.	178.	AG	2785.	8.1	.0	68.0		
24. SB	Lgt dep	1877.0	1701.0	1891.0	1421.0	280.	177.	AG	2785.	8.1	.0	80.0		
25. SB	Lgt dep	1891.0	1421.0	1904.0	1219.0	202.	176.	AG	2785.	8.1	.0	80.0		
26. SB	Lgt dep	1904.0	1219.0	1931.0	863.0	357.	176.	AG	2785.	8.1	.0	80.0		

JOB: S7 Lombard & Light NBPM35 RUN: Site 7 No Build PM 2035
DATE: 09/07/2012 TIME: 09:47:37.33

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. WB	Lom thru	100	50	2.0	1435	846	42.10	1	3
9. WB	Lom left	100	63	2.0	1435	887	42.10	1	3
19. SB	Lgt thru	100	57	2.0	1350	1259	42.10	1	3
22. SB	Lgt right	100	67	2.0	155	1013	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1929.0	1457.0	5.0
2. SE 164 S	1929.0	1652.0	5.0
3. SE 82 S	1914.0	1732.0	5.0
4. SE CNR	1904.0	1807.0	5.0
5. SE 82 E	1985.0	1817.0	5.0
6. SE 164 E	2067.0	1823.0	5.0
7. SE MID E	2245.0	1834.0	5.0
8. NE MID E	2240.0	1915.0	5.0
9. NE 164 E	2066.0	1906.0	5.0
10. NE 82 E	1985.0	1903.0	5.0
11. NE CNR	1905.0	1900.0	5.0
12. NE 82 N	1899.0	1981.0	5.0
13. NE 164 N	1895.0	2062.0	5.0
14. NE MID N	1873.0	2214.0	5.0
15. NW MID N	1807.0	2211.0	5.0
16. NW 164 N	1816.0	2058.0	5.0
17. NW 82 N	1820.0	1976.0	5.0
18. NW CNR	1824.0	1896.0	5.0
19. NW 82 W	1743.0	1890.0	5.0
20. NW 164 W	1662.0	1886.0	5.0
21. NW MID W	1511.0	1878.0	5.0
22. SW MID W	1515.0	1816.0	5.0
23. SW 164 W	1667.0	1824.0	5.0
24. SW 82 W	1749.0	1829.0	5.0
25. SW CNR	1826.0	1827.0	5.0
26. SW 82 S	1834.0	1750.0	5.0
27. SW 164 S	1838.0	1668.0	5.0
28. SW MID S	1845.0	1474.0	5.0

JOB: S7 Lombard & Light NBPM35 RUN: Site 7 No Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.6	.9	1.0	1.6	1.5	1.5	1.5	.0	.0	.0	.5	.4	.2	.4	.5	.3	.3	.8	.1	.0
5.	.6	.5	.9	1.3	1.5	1.5	1.4	.0	.0	.0	.4	.2	.2	.3	.6	.5	.4	.8	.1	.0
10.	.6	.5	.7	1.4	1.5	1.4	1.4	.0	.0	.0	.2	.1	.1	.2	.6	.5	.5	1.0	.1	.0
15.	.4	.4	.6	1.3	1.5	1.3	1.4	.0	.0	.0	.1	.1	.0	.1	.5	.4	.6	1.2	.1	.1
20.	.4	.4	.6	1.2	1.5	1.4	1.4	.0	.0	.0	.1	.1	.0	.1	.5	.4	.6	1.1	.1	.1
25.	.3	.4	.7	1.4	1.5	1.5	1.4	.0	.0	.0	.0	.0	.0	.1	.5	.4	.6	1.1	.2	.1
30.	.3	.4	.7	1.4	1.5	1.5	1.5	.0	.0	.0	.0	.0	.0	.1	.5	.4	.7	1.2	.2	.1
35.	.4	.5	.7	1.4	1.5	1.6	1.5	.0	.0	.0	.0	.0	.0	.1	.5	.4	.7	1.2	.2	.1
40.	.4	.4	.7	1.5	1.6	1.6	1.6	.1	.0	.0	.0	.0	.0	.0	.4	.4	.6	1.1	.2	.0
45.	.4	.5	.9	1.6	1.6	1.7	1.7	.1	.0	.0	.0	.0	.0	.0	.4	.3	.7	1.1	.3	.0
50.	.4	.6	.8	1.6	1.7	1.8	1.7	.1	.0	.0	.0	.0	.0	.0	.4	.3	.6	1.0	.3	.2
55.	.4	.4	.9	1.5	1.7	1.8	1.8	.1	.0	.0	.0	.0	.0	.0	.4	.2	.7	.9	.3	.2
60.	.3	.4	.8	1.7	1.9	2.1	2.0	.1	.0	.0	.0	.0	.0	.0	.4	.2	.7	.9	.3	.2
65.	.2	.3	.7	1.9	2.1	2.1	2.1	.1	.0	.0	.0	.0	.0	.0	.4	.3	.8	.9	.3	.2
70.	.1	.4	.7	1.8	2.2	2.1	2.1	.3	.2	.1	.1	.0	.0	.0	.3	.3	.8	.8	.4	.3
75.	.1	.4	.5	1.8	2.2	2.2	2.1	.5	.5	.4	.5	.0	.0	.0	.4	.3	.9	1.0	.6	.5
80.	.1	.3	.5	1.7	1.8	2.0	1.9	.9	.8	.8	.8	.1	.0	.0	.4	.3	1.1	1.2	.9	.6
85.	.0	.2	.4	1.5	1.7	1.8	1.9	1.1	1.0	1.1	1.1	.3	.1	.0	.4	.4	1.2	1.3	1.1	1.0
90.	.0	.1	.3	1.1	1.3	1.4	1.5	1.4	1.5	1.3	1.4	.3	.2	.1	.5	.5	1.2	2.0	1.3	1.3
95.	.0	.0	.1	.7	1.0	.9	1.1	1.6	1.6	1.5	1.6	.5	.3	.1	.5	.6	1.4	1.9	1.4	1.2
100.	.0	.0	.0	.5	.6	.5	.7	1.8	1.6	1.6	1.6	.5	.3	.1	.5	.6	1.4	1.9	1.3	1.1
105.	.0	.0	.0	.2	.2	.4	.5	1.8	1.7	1.6	1.7	.6	.3	.2	.5	.7	1.6	1.8	1.2	1.0
110.	.0	.0	.0	.1	.2	.2	.3	1.7	1.7	1.7	1.7	.7	.4	.3	.6	.8	1.8	1.6	1.0	.8
115.	.0	.0	.0	.1	.1	.1	.1	1.6	1.7	1.6	1.7	.8	.4	.3	.7	.8	1.7	1.5	1.1	.6
120.	.0	.0	.0	.1	.0	.0	.1	1.6	1.5	1.4	1.4	.8	.5	.3	.7	.8	1.5	1.6	.9	.7
125.	.0	.0	.0	.1	.0	.0	.1	1.5	1.5	1.4	1.3	.6	.5	.3	.7	.9	1.5	1.2	.7	.6
130.	.0	.0	.0	.1	.0	.0	.1	1.5	1.4	1.3	1.3	.6	.6	.3	.8	.9	1.7	1.3	.8	.6
135.	.0	.0	.0	.1	.0	.0	.1	1.5	1.3	1.3	1.3	.5	.4	.3	.7	1.1	1.7	1.2	.8	.6
140.	.0	.0	.0	.1	.0	.0	.1	1.4	1.2	1.2	1.1	.5	.3	.2	.7	1.1	1.6	1.0	.7	.6
145.	.0	.0	.0	.1	.0	.0	.1	1.2	1.2	1.2	1.1	.5	.4	.3	.6	1.3	1.7	1.1	.6	.5
150.	.0	.0	.1	.1	.0	.0	.1	1.2	1.1	1.1	1.1	.6	.5	.3	.8	1.3	1.8	1.0	.6	.5
155.	.1	.1	.1	.3	.0	.0	.0	1.2	1.1	1.1	1.2	.6	.5	.3	.8	1.4	1.5	1.0	.6	.5
160.	.3	.1	.2	.3	.0	.0	.0	1.2	1.1	1.1	1.2	.7	.6	.3	.8	1.4	1.2	1.0	.8	.6
165.	.4	.3	.4	.5	.0	.0	.0	1.2	1.1	1.1	1.2	.8	.8	.7	.8	1.1	1.1	1.2	.7	.6
170.	.5	.4	.6	.8	.0	.0	.0	1.2	1.1	1.1	1.3	1.0	1.0	.8	.7	1.0	1.2	1.1	.6	.4
175.	.8	.5	.8	1.0	.2	.0	.0	1.2	1.2	1.2	1.7	1.3	1.0	.7	.7	.9	1.1	1.0	.5	.3
180.	.9	.6	.9	1.2	.3	.0	.0	1.2	1.1	1.4	1.8	1.6	1.1	.7	.8	.5	.7	.9	.3	.3
185.	1.0	.8	1.0	1.2	.3	.1	.0	1.2	1.3	1.4	1.8	1.6	1.2	.8	.6	.5	.4	.6	.3	.3
190.	1.1	.9	1.1	1.3	.4	.2	.0	1.3	1.5	1.6	1.6	1.3	1.2	.8	.1	.3	.4	.5	.4	.3
195.	1.0	.9	1.0	1.1	.4	.3	.1	1.3	1.5	1.5	1.5	1.3	1.2	.6	.1	.1	.2	.3	.4	.3
200.	1.0	.8	.9	1.1	.4	.3	.1	1.3	1.3	1.4	1.2	1.3	1.0	.6	.1	.1	.1	.3	.3	.3
205.	.9	.8	.9	1.0	.4	.3	.1	1.3	1.4	1.5	1.2	1.3	1.0	.4	.2	.2	.1	.3	.3	.3

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JOB: S7 Lombard & Light NBPM35 RUN: Site 7 No Build PM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.8	.7	.9	1.0	.4	.3	.2	1.5	1.6	1.4	1.2	1.3	.9	.5	.2	.1	.1	.4	.4	.3
215.	.9	.7	.8	.9	.3	.2	.2	1.4	1.4	1.5	1.0	1.3	.8	.5	.0	.1	.2	.4	.4	.4
220.	.8	.7	.8	.9	.4	.2	.2	1.6	1.4	1.6	1.0	1.4	.8	.5	.0	.1	.2	.4	.4	.4
225.	.8	.6	.8	.8	.4	.2	.1	1.6	1.4	1.4	1.0	1.4	.6	.4	.0	.1	.2	.4	.4	.4
230.	.7	.6	.7	.7	.3	.3	.1	1.6	1.6	1.5	1.0	1.4	.5	.4	.0	.1	.1	.5	.4	.4
235.	.7	.6	.7	.7	.5	.2	.1	1.8	1.5	1.4	.9	1.3	.5	.4	.0	.1	.1	.5	.4	.4
240.	.7	.6	.7	.7	.4	.3	.1	1.9	1.5	1.2	.9	1.3	.5	.3	.0	.2	.1	.4	.4	.5
245.	.6	.6	.7	.7	.4	.4	.2	1.7	1.6	1.0	.9	1.3	.4	.3	.0	.1	.2	.4	.4	.5
250.	.7	.6	.7	.7	.4	.5	.4	1.7	1.3	1.2	1.0	1.3	.4	.3	.0	.1	.2	.5	.5	.5
255.	.6	.6	.7	.7	.5	.5	.6	1.5	1.1	1.1	.9	1.2	.3	.4	.0	.0	.2	.5	.4	.4
260.	.7	.6	.6	.8	.7	.7	.8	1.2	1.3	.9	1.0	1.2	.3	.4	.0	.0	.1	.5	.4	.4
265.	.7	.6	.7	.9	.9	1.1	1.3	1.1	1.0	.8	.9	1.0	.3	.4	.0	.0	.1	.3	.3	.3
270.	.7	.6	.7	1.0	1.0	1.3	1.6	.8	.7	.8	.9	1.0	.4	.4	.0	.0	.0	.3	.3	.2
275.	.6	.6	.8	1.0	1.2	1.7	1.7	.5	.5	.5	.8	1.0	.3	.4	.0	.0	.0	.3	.2	.2
280.	.6	.6	.8	1.1	1.5	1.6	2.0	.2	.4	.4	.8	1.0	.3	.4	.0	.0	.0	.1	.1	.2
285.	.6	.7	.8	1.1	1.5	1.9	2.2	.1	.4	.5	.8	1.0	.3	.3	.0	.0	.0	.0	.0	.0
290.	.6	.8	.7	1.1	1.5	2.1	2.1	.0	.2	.5	.9	.9	.3	.4	.0	.0	.0	.0	.0	.0
295.	.6	.7	.8	1.2	1.8	2.0	2.0	.0	.2	.5	.9	.9	.4	.4	.0	.0	.0	.0	.0	.0
300.	.7	.7	.9	1.1	1.8	1.9	1.9	.0	.2	.5	1.0	.8	.4	.4	.0	.0	.0	.0	.0	.0
305.	.7	.7	.9	1.1	1.7	1.9	1.7	.0	.2	.3	1.1	.8	.4	.4	.0	.0	.0	.0	.0	.0
310.	.7	.7	.8	1.1	1.9	1.9	1.6	.0	.1	.3	1.2	.8	.5	.4	.0	.0	.0	.0	.0	.0
315.	.8	.8	.8	1.2	1.8	1.8	1.6	.1	.1	.3	1.1	.8	.4	.4	.0	.0	.0	.0	.0	.0
320.	.8	.7	.8	1.3	1.7	1.7	1.6	.0	.1	.2	1.1	.8	.4	.5	.1	.0	.0	.0	.0	.0
325.	.8	.8	.9	1.4	1.7	1.7	1.5	.0	.1	.3	1.1	.8	.4	.5	.1	.0	.0	.0	.0	.0
330.	.8	.8	1.0	1.5	1.7	1.5	1.4	.0	.1	.2	1.1	.8	.5	.5	.1	.0	.0	.0	.0	.0
335.	.9	.8	1.0	1.5	1.8	1.4	1.5	.0	.1	.1	1.1	.7	.4	.5	.1	.0	.0	.0	.0	.0
340.	.9	.9	1.1	1.6	1.8	1.6	1.5	.0	.1	.1	1.2	.7	.4	.6	.1	.1	.0	.0	.0	.0
345.	.9	.9	1.2	1.7	1.7	1.5	1.4	.0	.0	.1	1.1	.6	.4	.6	.2	.2	.1	.0	.0	.0
350.	.8	.9	1.3	1.8	1.5	1.5	1.4	.0	.0	.1	.9	.5	.4	.6	.4	.3	.1	.3	.0	.0

355. *	.8	1.0	1.2	1.8	1.4	1.4	1.4	.0	.0	.0	.7	.5	.3	.5	.5	.3	.3	.4	.0	.0
360. *	.6	.9	1.0	1.6	1.5	1.5	1.5	.0	.0	.0	.5	.4	.2	.4	.5	.3	.3	.8	.1	.0
MAX *	1.1	1.0	1.3	1.9	2.2	2.2	2.2	1.9	1.7	1.7	1.8	1.6	1.2	.8	.8	1.4	1.8	2.0	1.4	1.3
DEGR. *	190	355	350	65	70	75	285	240	105	110	180	180	185	170	130	155	150	90	95	90

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JOB: S7 Lombard & Light NBPM35 RUN: Site 7 No Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.4	.4	.5	1.0	.9	.9	.7
5. *	.0	.4	.4	.5	1.0	1.0	1.0	.8
10. *	.0	.4	.4	.5	1.1	.9	1.0	.8
15. *	.0	.4	.5	.5	1.0	1.0	1.4	1.0
20. *	.0	.4	.5	.7	1.0	1.0	1.4	1.1
25. *	.0	.4	.5	.6	1.1	1.3	1.2	1.1
30. *	.0	.4	.5	.7	1.2	1.3	1.2	1.0
35. *	.1	.5	.5	.7	1.1	1.1	1.2	.9
40. *	.1	.5	.7	.7	1.3	1.1	1.1	1.0
45. *	.1	.5	.7	.8	1.1	1.2	1.3	1.0
50. *	.0	.5	.7	.8	1.1	1.4	1.2	1.0
55. *	.0	.5	.8	.9	1.2	1.3	1.2	.9
60. *	.0	.7	.8	1.0	1.5	1.3	1.2	.9
65. *	.0	.7	.9	1.1	1.5	1.6	1.2	.9
70. *	.1	1.0	1.2	1.4	1.8	1.7	1.2	.8
75. *	.5	1.0	1.4	1.5	2.1	1.5	1.1	.7
80. *	.4	1.0	1.4	1.5	2.3	1.3	1.0	.7
85. *	.7	1.1	1.4	1.6	2.3	1.1	.9	.8
90. *	.9	1.0	1.4	1.6	2.0	1.0	.8	.7
95. *	.8	.8	1.2	1.3	1.7	.8	.6	.6
100. *	.8	.6	.7	1.1	1.5	.6	.6	.6
105. *	.8	.4	.6	.8	1.0	.6	.6	.6
110. *	.5	.3	.4	.5	.8	.7	.6	.6
115. *	.6	.2	.3	.4	.7	.7	.6	.7
120. *	.6	.2	.3	.5	.6	.6	.7	.7
125. *	.5	.2	.3	.4	.6	.7	.7	.7
130. *	.5	.2	.4	.4	.6	.7	.7	.7
135. *	.5	.2	.3	.5	.7	.8	.7	.8
140. *	.5	.3	.3	.4	.7	.8	.8	.8
145. *	.6	.2	.3	.3	.7	.8	.8	.8
150. *	.4	.1	.2	.3	.8	.9	.9	.9
155. *	.4	.1	.3	.3	.9	.9	.9	1.0
160. *	.3	.0	.3	.4	.9	1.1	1.0	1.0
165. *	.3	.0	.2	.4	.9	1.1	1.0	1.0
170. *	.3	.0	.1	.3	.8	.9	.9	.9
175. *	.3	.0	.0	.3	.8	.9	.8	.8
180. *	.3	.0	.0	.0	.6	.7	.7	.7
185. *	.3	.0	.0	.0	.4	.6	.6	.4
190. *	.4	.0	.0	.0	.2	.2	.4	.3
195. *	.4	.0	.0	.0	.1	.1	.2	.2
200. *	.3	.0	.0	.0	.0	.1	.1	.0
205. *	.4	.0	.0	.0	.0	.0	.1	.0

1

JOB: S7 Lombard & Light NBPM35 RUN: Site 7 No Build PM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.4	.0	.0	.0	.0	.0	.1	.0
215. *	.4	.0	.1	.0	.0	.0	.1	.0
220. *	.3	.0	.1	.0	.0	.0	.1	.0
225. *	.4	.0	.1	.0	.0	.0	.1	.0
230. *	.4	.0	.1	.0	.0	.0	.1	.0
235. *	.4	.0	.1	.1	.0	.0	.1	.0
240. *	.5	.0	.1	.2	.0	.0	.0	.0
245. *	.5	.2	.2	.2	.1	.0	.0	.0
250. *	.4	.2	.2	.2	.2	.0	.0	.0
255. *	.4	.3	.4	.4	.2	.0	.0	.0
260. *	.5	.4	.5	.6	.4	.0	.0	.0
265. *	.4	.5	.5	.6	.5	.0	.0	.0
270. *	.4	.7	.6	.7	.6	.1	.0	.0
275. *	.2	.8	.6	.7	.6	.2	.0	.0
280. *	.1	.7	.6	.7	.7	.2	.1	.0
285. *	.1	.7	.7	.7	.6	.2	.1	.0
290. *	.0	.6	.7	.7	.5	.2	.1	.0
295. *	.0	.6	.5	.6	.5	.1	.2	.0
300. *	.0	.5	.5	.6	.5	.2	.1	.0

305.	*	.0	.5	.5	.5	.4	.2	.1	.0
310.	*	.0	.6	.5	.5	.4	.2	.1	.1
315.	*	.0	.5	.4	.5	.4	.2	.1	.1
320.	*	.0	.5	.4	.4	.4	.2	.1	.1
325.	*	.0	.5	.4	.5	.4	.1	.2	.1
330.	*	.0	.4	.4	.4	.4	.2	.1	.1
335.	*	.0	.4	.4	.4	.3	.3	.1	.1
340.	*	.0	.4	.4	.4	.4	.3	.2	.2
345.	*	.0	.4	.4	.4	.4	.3	.3	.3
350.	*	.0	.4	.4	.4	.7	.6	.5	.4
355.	*	.0	.4	.4	.4	.7	.8	.8	.6
360.	*	.0	.4	.4	.5	1.0	.9	.9	.7
MAX	*	.9	1.1	1.4	1.6	2.3	1.7	1.4	1.1
DEGR.	*	90	85	75	85	80	70	15	20

THE HIGHEST CONCENTRATION IS 2.30 PPM AT 80 DEGREES FROM REC25.
THE 2ND HIGHEST CONCENTRATION IS 2.20 PPM AT 70 DEGREES FROM REC5 .
THE 3RD HIGHEST CONCENTRATION IS 2.20 PPM AT 75 DEGREES FROM REC6 .

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S8 Lombard & President BDAM21           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1661.     1054.       5.0
SE 164 S                 1607.     1165.       5.0
SE 82 S                  1570.     1238.       5.0
SE CNR                   1534.     1312.       5.0
SE 82 E                  1607.     1350.       5.0
SE 164 E                 1680.     1387.       5.0
SE MID E                 1808.     1440.       5.0
NE MID E                 1762.     1504.       5.0
NE 164  E                1657.     1430.       5.0
NE 82  E                 1583.     1395.       5.0
NE CNR                   1511.     1367.       5.0
NE 82 N                  1473.     1435.       5.0
NE 164 N                 1436.     1510.       5.0
NE MID N                 1378.     1629.       5.0
NW MID N                 1254.     1606.       5.0
NW 164 N                 1319.     1466.       5.0
NW 82 N                  1344.     1387.       5.0
NW CNR                   1366.     1316.       5.0
NW 82 W                  1299.     1289.       5.0
NW 164 W                 1221.     1264.       5.0
NW MID W                 1051.     1231.       5.0
SW MID W                 1046.     1148.       5.0
SW 164 W                 1257.     1201.       5.0
SW 82 W                  1338.     1224.       5.0
SW CNR                   1416.     1244.       5.0
SW 82 S                  1452.     1169.       5.0
SW 164 S                 1487.     1094.       5.0
SW MID S                 1524.     1013.       5.0
Site 8 Build AM 2021                     36  1   0
  1
WB        Lom ap    AG  2349.  1748.  1969.  1554.    790. 8.1   0  44   30.
  1
WB        Lom ap1   AG  1969.  1554.  1855.  1537.    395. 8.1   0  44   30.
  1
WB        Lom ap1   AG  1855.  1537.  1793.  1506.    395. 8.1   0  44   30.
  1
WB        Lom ap1   AG  1793.  1506.  1719.  1436.    395. 8.1   0  44   30.
  1
WB        Lom ap2   AG  1969.  1554.  1888.  1494.    395. 8.1   0  32   30.
  1
WB        Lom ap2   AG  1888.  1494.  1831.  1463.    395. 8.1   0  32   30.
  1
WB        Lom ap2   AG  1831.  1463.  1719.  1436.    395. 8.1   0  32   30.
  1
WB        Lom ap3   AG  1719.  1436.  1501.  1326.    790. 8.1   0  56   30.
  2
WB        Lom ap    AG  1535.  1343.  1688.  1421.      0.  36   3
       140       105       2.0  790   43.6 1385 1 3
  1
WB        Lom dep   AG  1501.  1326.  1347.  1267.   2310. 8.1   0  68   30.
  1
WB        Lom dep   AG  1347.  1267.  1160.  1201.   2310. 8.1   0  68   30.
  1
WB        Lom dep   AG  1160.  1201.  1011.  1183.   2310. 8.1   0  92   30.
  1
WB        Lom dep   AG  1011.  1183.   807.  1176.   2310. 8.1   0  80   30.
  1
WB        Lom dep   AG   807.  1176.   465.  1161.   2310. 8.1   0  80   30.
  1
NB        Pres ap   AG  1934.   426.  1839.   622.   2335. 8.1   0  56   35.
  1
NB        Pres ap   AG  1839.   622.  1721.   844.   2335. 8.1   0  68   35.
  1
NB        Pres ap   AG  1721.   844.  1639.  1016.   2335. 8.1   0  68   35.
  1
NB        Pres thru AG  1639.  1016.  1591.  1125.   1530. 8.1   0  56   35.
  1
NB        Pres thru AG  1591.  1125.  1503.  1304.   1530. 8.1   0  56   35.
  2
NB        Pres ap   AG  1519.  1271.  1579.  1151.      0.  36   3
       140        35       2.0 1530   43.6 1552 1 3
  1
NB        Pres left AG  1639.  1016.  1569.  1111.    805. 8.1   0  44   35.
  1
NB        Pres left AG  1569.  1111.  1480.  1294.    805. 8.1   0  44   35.
  2
NB        Pres left AG  1498.  1258.  1556.  1138.      0.  24   2
       140        99       2.0  805   43.6 1700 1 3
  1
NB        Pres dep  AG  1503.  1304.  1326.  1668.   1655. 8.1   0  56   35.
  1
NB        Pres dep  AG  1326.  1668.  1181.  1944.   1655. 8.1   0  68   35.
  1
NB        Pres dep  AG  1181.  1944.  1024.  2203.   1655. 8.1   0  68   35.
  1
SB        Pres ap   AG   950.  2164.  1048.  2012.   1890. 8.1   0  56   35.
  1
SB        Pres ap   AG  1048.  2012.  1181.  1795.   1890. 8.1   0  56   35.
  1
SB        Pres ap   AG  1181.  1795.  1272.  1632.   1890. 8.1   0  56   35.
  1
SB        Pres ap   AG  1272.  1632.  1347.  1477.   1890. 8.1   0  56   35.
  1
SB        Pres ap   AG  1347.  1477.  1412.  1304.   1890. 8.1   0  68   35.
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  2
SB        Pres ap   AG  1398.  1342.  1351.  1464.      0.  48   4
      140        76       2.0 1890   43.6 1376 1 3
  1
SB        Pres dep  AG  1412.  1304.  1468.  1205.   1050. 8.1   0  56   35.
  1
SB        Pres dep  AG  1468.  1205.  1648.   829.   1050. 8.1   0  56   35.
  1
SB        Pres dep  AG  1648.   829.  1773.   581.   1050. 8.1   0  56   35.
  1
SB        Pres dep  AG  1773.   581.  1867.   393.   1050. 8.1   0  56   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S8 Lombard & President BDAM21 RUN: Site 8 Build AM 2021
DATE: 09/18/2012 TIME: 10:01:26.32

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom ap	2349.0	1748.0	1969.0	1554.0	427.	243.	AG	790.	8.1	.0	44.0		
2. WB	Lom ap1	1969.0	1554.0	1855.0	1537.0	115.	262.	AG	395.	8.1	.0	44.0		
3. WB	Lom ap1	1855.0	1537.0	1793.0	1506.0	69.	243.	AG	395.	8.1	.0	44.0		
4. WB	Lom ap1	1793.0	1506.0	1719.0	1436.0	102.	227.	AG	395.	8.1	.0	44.0		
5. WB	Lom ap2	1969.0	1554.0	1888.0	1494.0	101.	233.	AG	395.	8.1	.0	32.0		
6. WB	Lom ap2	1888.0	1494.0	1831.0	1463.0	65.	241.	AG	395.	8.1	.0	32.0		
7. WB	Lom ap2	1831.0	1463.0	1719.0	1436.0	115.	256.	AG	395.	8.1	.0	32.0		
8. WB	Lom ap3	1719.0	1436.0	1501.0	1326.0	244.	243.	AG	790.	8.1	.0	56.0		
9. WB	Lom ap	1535.0	1343.0	1690.0	1422.0	174.	63.	AG	263.	100.0	.0	36.0	.86	8.8
10. WB	Lom dep	1501.0	1326.0	1347.0	1267.0	165.	249.	AG	2310.	8.1	.0	68.0		
11. WB	Lom dep	1347.0	1267.0	1160.0	1201.0	198.	251.	AG	2310.	8.1	.0	68.0		
12. WB	Lom dep	1160.0	1201.0	1011.0	1183.0	150.	263.	AG	2310.	8.1	.0	92.0		
13. WB	Lom dep	1011.0	1183.0	807.0	1176.0	204.	268.	AG	2310.	8.1	.0	80.0		
14. WB	Lom dep	807.0	1176.0	465.0	1161.0	342.	267.	AG	2310.	8.1	.0	80.0		
15. NB	Pres ap	1934.0	426.0	1839.0	622.0	218.	334.	AG	2335.	8.1	.0	56.0		
16. NB	Pres ap	1839.0	622.0	1721.0	844.0	251.	332.	AG	2335.	8.1	.0	68.0		
17. NB	Pres ap	1721.0	844.0	1639.0	1016.0	191.	335.	AG	2335.	8.1	.0	68.0		
18. NB	Pres thru	1639.0	1016.0	1591.0	1125.0	119.	336.	AG	1530.	8.1	.0	56.0		
19. NB	Pres thru	1591.0	1125.0	1503.0	1304.0	199.	334.	AG	1530.	8.1	.0	56.0		
20. NB	Pres ap	1519.0	1271.0	1562.7	1183.7	98.	153.	AG	88.	100.0	.0	36.0	.46	5.0
21. NB	Pres left	1639.0	1016.0	1569.0	1111.0	118.	324.	AG	805.	8.1	.0	44.0		
22. NB	Pres left	1569.0	1111.0	1480.0	1294.0	203.	334.	AG	805.	8.1	.0	44.0		
23. NB	Pres left	1498.0	1258.0	1607.8	1030.7	252.	154.	AG	165.	100.0	.0	24.0	.90	12.8
24. NB	Pres dep	1503.0	1304.0	1326.0	1668.0	405.	334.	AG	1655.	8.1	.0	56.0		
25. NB	Pres dep	1326.0	1668.0	1181.0	1944.0	312.	332.	AG	1655.	8.1	.0	68.0		
26. NB	Pres dep	1181.0	1944.0	1024.0	2203.0	303.	329.	AG	1655.	8.1	.0	68.0		
27. SB	Pres ap	950.0	2164.0	1048.0	2012.0	181.	147.	AG	1890.	8.1	.0	56.0		
28. SB	Pres ap	1048.0	2012.0	1181.0	1795.0	255.	148.	AG	1890.	8.1	.0	56.0		
29. SB	Pres ap	1181.0	1795.0	1272.0	1632.0	187.	151.	AG	1890.	8.1	.0	56.0		
30. SB	Pres ap	1272.0	1632.0	1347.0	1477.0	172.	154.	AG	1890.	8.1	.0	56.0		
31. SB	Pres ap	1347.0	1477.0	1412.0	1304.0	185.	159.	AG	1890.	8.1	.0	68.0		
32. SB	Pres ap	1398.0	1342.0	1326.4	1528.0	199.	339.	AG	254.	100.0	.0	48.0	.80	10.1
33. SB	Pres dep	1412.0	1304.0	1468.0	1205.0	114.	151.	AG	1050.	8.1	.0	56.0		
34. SB	Pres dep	1468.0	1205.0	1648.0	829.0	417.	154.	AG	1050.	8.1	.0	56.0		
35. SB	Pres dep	1648.0	829.0	1773.0	581.0	278.	153.	AG	1050.	8.1	.0	56.0		
36. SB	Pres dep	1773.0	581.0	1867.0	393.0	210.	153.	AG	1050.	8.1	.0	56.0		

JOB: S8 Lombard & President BDAM21 RUN: Site 8 Build AM 2021
DATE: 09/18/2012 TIME: 10:01:26.32

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
9. WB	Lom ap	140	105	2.0	790	1385	43.60	1	3
20. NB	Pres ap	140	35	2.0	1530	1552	43.60	1	3
23. NB	Pres left	140	99	2.0	805	1700	43.60	1	3
32. SB	Pres ap	140	76	2.0	1890	1376	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1661.0	1054.0	5.0
2. SE 164 S	1607.0	1165.0	5.0
3. SE 82 S	1570.0	1238.0	5.0
4. SE CNR	1534.0	1312.0	5.0
5. SE 82 E	1607.0	1350.0	5.0
6. SE 164 E	1680.0	1387.0	5.0
7. SE MID E	1808.0	1440.0	5.0
8. NE MID E	1762.0	1504.0	5.0
9. NE 164 E	1657.0	1430.0	5.0
10. NE 82 E	1583.0	1395.0	5.0
11. NE CNR	1511.0	1367.0	5.0
12. NE 82 N	1473.0	1435.0	5.0
13. NE 164 N	1436.0	1510.0	5.0
14. NE MID N	1378.0	1629.0	5.0
15. NW MID N	1254.0	1606.0	5.0
16. NW 164 N	1319.0	1466.0	5.0
17. NW 82 N	1344.0	1387.0	5.0
18. NW CNR	1366.0	1316.0	5.0
19. NW 82 W	1299.0	1289.0	5.0
20. NW 164 W	1221.0	1264.0	5.0

21. NW MID W	*	1051.0	1231.0	5.0	*
22. SW MID W	*	1046.0	1148.0	5.0	*
23. SW 164 W	*	1257.0	1201.0	5.0	*
24. SW 82 W	*	1338.0	1224.0	5.0	*
25. SW CNR	*	1416.0	1244.0	5.0	*
26. SW 82 S	*	1452.0	1169.0	5.0	*
27. SW 164 S	*	1487.0	1094.0	5.0	*
28. SW MID S	*	1524.0	1013.0	5.0	*

1

JOB: S8 Lombard & President BDAM21 RUN: Site 8 Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.3	.4	.7	1.0	.8	.1	.0	.0	.0	.0	.1	.1	.1	.9	1.5	1.6	1.5	.5	.2
5.	.1	.3	.4	.7	1.0	.8	.1	.0	.0	.0	.0	.1	.1	.0	.9	1.5	1.7	1.5	.6	.3
10.	.1	.3	.4	.7	1.0	.7	.1	.0	.0	.0	.0	.0	.0	.0	.8	1.7	1.6	1.4	.5	.3
15.	.0	.1	.4	.8	1.1	.7	.1	.0	.0	.0	.0	.0	.0	.0	.8	1.5	1.6	1.4	.6	.3
20.	.0	.1	.4	.9	1.1	.6	.1	.0	.0	.0	.0	.0	.0	.0	.8	1.5	1.6	1.4	.7	.3
25.	.0	.1	.4	1.0	1.2	.6	.1	.0	.0	.0	.0	.0	.0	.0	.7	1.6	1.5	1.3	.6	.5
30.	.0	.0	.3	1.1	1.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	.8	1.6	1.5	1.3	.6	.5
35.	.0	.0	.3	1.1	1.2	.5	.1	.0	.1	.1	.0	.0	.0	.0	.7	1.5	1.5	1.2	.6	.5
40.	.0	.0	.1	1.1	1.2	.5	.2	.0	.1	.2	.0	.0	.0	.0	.8	1.4	1.3	1.1	.6	.4
45.	.0	.0	.1	1.2	1.1	.5	.2	.1	.1	.2	.1	.0	.0	.0	.7	1.4	1.3	1.1	.6	.5
50.	.0	.0	.1	1.1	.9	.5	.3	.1	.2	.3	.2	.0	.0	.0	.7	1.4	1.3	1.1	.6	.5
55.	.0	.0	.0	1.0	.8	.3	.3	.2	.2	.5	.3	.0	.0	.0	.7	1.3	1.3	1.1	.7	.6
60.	.0	.0	.0	.8	.7	.3	.3	.2	.2	.6	.4	.0	.0	.0	.8	1.5	1.4	1.1	.9	.7
65.	.0	.0	.0	.7	.5	.1	.3	.3	.5	.7	.6	.0	.0	.0	.7	1.5	1.4	1.3	.8	.7
70.	.0	.0	.0	.5	.3	.1	.2	.3	.6	.9	.8	.0	.0	.0	.7	1.5	1.5	1.3	1.1	.9
75.	.0	.0	.0	.3	.2	.1	.1	.3	.7	1.1	.9	.0	.0	.0	.7	1.5	1.5	1.4	1.2	1.0
80.	.0	.0	.0	.2	.2	.1	.0	.3	.7	1.2	1.1	.1	.0	.0	.7	1.4	1.4	1.4	1.1	.9
85.	.0	.0	.0	.2	.2	.0	.0	.2	.7	1.2	1.1	.1	.0	.0	.7	1.3	1.6	1.3	1.1	.9
90.	.0	.0	.0	.0	.0	.0	.0	.2	.6	1.3	1.0	.3	.0	.0	.7	1.5	1.6	1.4	1.2	.9
95.	.0	.0	.0	.0	.0	.0	.0	.2	.7	1.3	1.0	.3	.0	.0	.7	1.6	1.7	1.3	1.1	1.1
100.	.0	.0	.0	.0	.0	.0	.0	.1	.7	1.3	.9	.4	.1	.0	.7	1.6	1.8	1.3	1.0	.9
105.	.0	.0	.0	.0	.0	.0	.0	.1	.8	1.1	.9	.4	.1	.0	.7	1.6	1.7	1.4	1.1	.9
110.	.0	.0	.0	.0	.0	.0	.0	.1	.8	1.1	.9	.4	.1	.0	.9	1.8	1.7	1.2	1.0	1.0
115.	.0	.0	.0	.0	.0	.0	.0	.1	.9	1.1	.8	.4	.3	.0	1.0	1.8	1.7	1.4	1.2	.8
120.	.0	.0	.0	.0	.0	.0	.0	.1	.9	1.1	.7	.4	.4	.2	1.0	1.8	1.7	1.4	1.0	.8
125.	.0	.0	.0	.0	.0	.0	.0	.1	1.0	1.0	.7	.5	.4	.2	1.1	1.9	1.8	1.5	.9	.8
130.	.0	.0	.1	.1	.0	.0	.0	.1	1.0	1.0	.6	.5	.4	.2	1.2	2.0	1.9	1.4	.9	.6
135.	.1	.0	.1	.1	.0	.0	.0	.1	1.0	1.0	.6	.4	.4	.2	1.3	1.9	1.8	1.4	.9	.6
140.	.2	.2	.1	.1	.0	.0	.0	.2	1.0	1.0	.6	.5	.5	.3	1.3	1.9	1.8	1.2	.8	.5
145.	.3	.3	.3	.3	.0	.0	.0	.2	1.1	1.0	.6	.6	.5	.4	1.4	2.1	1.6	1.0	.6	.5
150.	.5	.3	.5	.8	.0	.0	.0	.2	1.1	1.0	.9	.7	.6	.5	1.4	2.0	1.3	1.0	.6	.5
155.	.7	.6	.7	.8	.0	.0	.0	.2	1.1	1.0	1.0	.9	.8	.9	1.0	1.6	1.1	.8	.6	.5
160.	.8	.7	.7	1.2	.2	.0	.0	.2	1.1	1.1	1.4	1.2	1.0	1.1	.9	1.2	.8	.9	.6	.6
165.	.9	.9	1.2	1.4	.2	.0	.0	.2	1.1	1.2	1.3	.9	.9	1.0	.8	1.0	.6	.6	.6	.5
170.	.8	1.0	1.2	1.4	.3	.2	.0	.2	1.1	1.3	1.4	1.1	1.1	1.0	.5	.8	.6	.5	.5	.5
175.	.8	.8	1.2	1.2	.5	.2	.0	.2	1.1	1.4	1.3	1.1	1.2	1.1	.3	.6	.4	.5	.5	.5
180.	.9	1.0	1.2	1.2	.5	.1	.0	.2	1.2	1.3	1.4	1.2	1.0	1.3	.2	.5	.3	.6	.5	.5
185.	.8	1.0	1.2	1.2	.4	.1	.0	.2	1.3	1.5	1.3	1.1	1.1	1.3	.2	.3	.4	.5	.5	.5
190.	.7	1.0	1.1	1.2	.3	.3	.1	.2	1.4	1.7	1.3	.9	1.0	1.1	.2	.4	.4	.6	.6	.5
195.	.6	.9	1.1	1.0	.6	.3	.1	.2	1.5	1.7	1.2	1.0	1.2	1.2	.3	.4	.3	.6	.6	.5
200.	.8	.9	1.1	.9	.7	.3	.1	.3	1.5	1.7	1.1	1.0	1.2	1.2	.2	.3	.3	.7	.6	.6
205.	.7	1.0	1.1	.9	.6	.3	.0	.4	1.6	1.8	1.2	1.0	1.2	1.1	.2	.3	.3	.6	.6	.6

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JOB: S8 Lombard & President BDAM21 RUN: Site 8 Build AM 2021

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.7	1.1	1.1	1.0	.6	.3	.1	.6	1.6	1.7	1.0	1.0	1.1	.9	.1	.3	.2	.7	.6	.6
215.	.6	1.0	1.1	1.0	.6	.3	.1	.6	1.6	1.6	1.1	1.1	1.2	.7	.1	.3	.3	.7	.6	.7
220.	.7	1.0	1.1	.7	.6	.4	.2	.7	1.7	1.6	1.2	1.1	1.1	.7	.1	.2	.3	.6	.8	.7
225.	.6	.9	1.1	.7	.7	.4	.2	.6	1.6	1.4	1.2	1.0	1.2	.7	.1	.2	.3	.7	.7	.6
230.	.6	.9	1.1	.7	.7	.6	.3	.6	1.7	1.4	1.3	1.2	1.2	.6	.1	.2	.2	.8	.7	.6
235.	.8	.9	1.1	1.0	.8	.8	.4	.7	1.6	1.4	1.3	1.1	1.0	.6	.1	.2	.3	.8	.7	.8
240.	.8	.9	1.1	1.2	1.0	.9	.5	.8	1.5	1.3	1.4	1.1	1.1	.6	.1	.2	.3	.7	.9	.7
245.	.8	.9	1.1	1.2	1.1	1.1	.5	.8	1.3	1.2	1.4	1.1	1.1	.6	.0	.2	.3	.7	.8	.7
250.	.9	.9	1.3	1.5	1.2	1.3	.8	.6	1.2	1.0	1.3	.9	1.0	.6	.0	.1	.3	.7	.8	.7
255.	.9	.9	1.3	1.6	1.4	1.6	.8	.4	1.0	.9	1.2	1.0	1.1	.6	.0	.0	.2	.6	.6	.6
260.	.8	.9	1.4	1.6	1.4	1.7	.9	.3	.7	.8	1.1	1.0	1.0	.7	.0	.0	.1	.5	.5	.5
265.	.8	1.0	1.3	1.4	1.6	1.7	.7	.2	.6	.8	.9	1.0	.9	.7	.0	.0	.0	.3	.5	.4
270.	.9	1.0	1.3	1.4	1.5	1.7	.7	.2	.5	.6	1.0	1.0	.9	.6	.0	.0	.0	.1	.4	.4
275.	1.0	1.0	1.3	1.3	1.7	1.6	.5	.2	.5	.5	.9	.9	.8	.6	.0	.0	.0	.0	.1	.2
280.	1.0	1.1	1.3	1.3	1.6	1.5	.6	.1	.5	.5	.9	1.0	.8	.8	.0	.0	.0	.0	.1	.0
285.	1.1	1.3	1.4	1.4	1.6	1.4	.4	.1	.4	.6	.9	1.1	.9	.8	.0	.0	.0	.0	.1	.0
290.	1.1	1.3	1.4	1.4	1.5	1.4	.3	.1	.3	.6	1.0	1.0	.8	.7	.0	.0	.0	.0	.1	.0
295.	1.2	1.2	1.4	1.4	1.6	1.4	.2	.1	.3	.5	1.1	1.0	.9	.7	.0	.0	.1	.0	.1	.0
300.	1.3	1.4	1.4	1.5	1.5	1.3	.2	.1	.2	.4	1.1	1.0	.8	.9	.0	.1	.1	.0	.0	.0

305. *	1.3	1.5	1.3	1.5	1.4	1.1	.2	.1	.2	.4	1.0	1.1	.8	.9	.1	.1	.1	.0	.0	.0
310. *	1.2	1.5	1.3	1.4	1.4	1.2	.2	.0	.2	.6	.9	1.0	.8	.9	.1	.2	.1	.0	.0	.0
315. *	1.5	1.3	1.3	1.3	1.4	1.1	.2	.0	.1	.4	1.1	1.0	.9	.8	.2	.2	.1	.1	.0	.0
320. *	1.2	1.3	1.3	1.3	1.2	1.1	.2	.0	.1	.2	.9	1.1	.9	.9	.3	.4	.2	.1	.0	.0
325. *	1.3	1.2	1.2	1.1	1.2	1.0	.2	.0	.0	.2	.9	.9	.8	.9	.4	.5	.3	.2	.0	.0
330. *	.9	1.0	1.2	1.0	1.2	1.0	.2	.0	.0	.1	.6	.7	.7	.7	.6	.6	.7	.5	.0	.0
335. *	.8	.9	.8	.8	1.0	1.0	.1	.0	.0	.0	.4	.5	.5	.6	.9	.9	1.0	.7	.0	.0
340. *	.4	.5	.6	.6	1.0	1.0	.1	.0	.0	.0	.4	.4	.4	.3	.9	1.1	1.2	1.0	.0	.0
345. *	.4	.4	.5	.6	1.0	1.0	.1	.0	.0	.0	.2	.3	.3	.3	.9	1.3	1.3	1.3	.3	.0
350. *	.3	.5	.5	.5	1.0	.9	.1	.0	.0	.0	.1	.2	.1	.2	1.0	1.3	1.4	1.4	.4	.0
355. *	.1	.4	.5	.6	1.0	.9	.1	.0	.0	.0	.1	.1	.1	.2	1.0	1.4	1.6	1.5	.4	.2
360. *	.1	.3	.4	.7	1.0	.8	.1	.0	.0	.0	.0	.1	.1	.1	.9	1.5	1.6	1.5	.5	.2
MAX *	1.5	1.5	1.4	1.6	1.7	1.7	.9	.8	1.7	1.8	1.4	1.2	1.2	1.3	1.4	2.1	1.9	1.5	1.2	1.1
DEGR. *	315	305	285	255	275	260	260	240	220	205	170	160	175	180	145	145	130	125	115	95

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JOB: S8 Lombard & President BDAM21 RUN: Site 8 Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.5	.8	1.3	1.5	.9	1.0	1.0
5. *	.0	.5	.8	1.3	1.4	.9	.9	.9
10. *	.0	.5	1.0	1.3	1.3	.9	1.1	.8
15. *	.0	.5	1.1	1.2	1.2	1.0	1.1	.8
20. *	.0	.5	1.1	1.2	1.1	1.0	1.0	.9
25. *	.1	.6	1.0	1.1	1.1	1.0	1.0	1.0
30. *	.1	.6	1.2	1.1	1.1	1.1	1.0	.9
35. *	.2	.7	1.2	1.1	1.2	1.2	1.0	.8
40. *	.4	.9	1.2	1.2	1.2	1.2	.9	.6
45. *	.3	1.0	1.1	1.1	1.1	1.1	.7	.6
50. *	.3	1.0	1.2	1.0	1.2	.9	.7	.7
55. *	.4	1.1	1.2	1.1	1.2	1.0	.8	.8
60. *	.4	1.2	1.0	1.0	1.2	.9	.7	.8
65. *	.5	1.1	1.0	1.0	1.1	.9	.8	.8
70. *	.8	.9	.9	.7	.9	.9	.8	.7
75. *	.8	.8	.9	.7	1.0	.9	.8	.7
80. *	.7	.7	.7	.7	.9	.9	.8	.6
85. *	.8	.5	.5	.5	.8	.8	.6	.6
90. *	.8	.4	.4	.5	.9	.8	.7	.5
95. *	.7	.4	.4	.5	.9	.7	.8	.6
100. *	.8	.2	.4	.5	.9	.8	.7	.5
105. *	.7	.2	.3	.4	.9	.8	.8	.5
110. *	.7	.1	.3	.3	1.0	.8	.8	.6
115. *	.6	.1	.4	.3	1.0	.8	.7	.6
120. *	.6	.1	.3	.3	.9	.9	.7	.7
125. *	.6	.1	.3	.3	1.0	.9	.7	.6
130. *	.5	.1	.3	.3	1.0	.9	.8	.6
135. *	.5	.1	.0	.3	1.0	.8	.7	.6
140. *	.5	.1	.0	.3	.8	.8	.6	.7
145. *	.5	.1	.0	.1	.7	.7	.6	.7
150. *	.5	.1	.0	.1	.7	.6	.6	.5
155. *	.5	.0	.0	.0	.3	.4	.4	.4
160. *	.5	.0	.0	.0	.3	.2	.2	.3
165. *	.5	.0	.0	.0	.2	.2	.1	.1
170. *	.5	.0	.0	.0	.2	.1	.1	.1
175. *	.5	.0	.0	.0	.1	.1	.1	.1
180. *	.5	.0	.0	.0	.0	.1	.0	.0
185. *	.5	.0	.0	.0	.0	.0	.0	.0
190. *	.5	.0	.1	.0	.0	.0	.0	.0
195. *	.6	.0	.1	.0	.0	.0	.0	.0
200. *	.5	.0	.1	.0	.0	.0	.0	.0
205. *	.5	.0	.1	.0	.0	.0	.0	.0

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JOB: S8 Lombard & President BDAM21 RUN: Site 8 Build AM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.6	.0	.1	.0	.0	.0	.0	.0
215. *	.6	.0	.1	.1	.0	.0	.0	.0
220. *	.7	.0	.1	.1	.0	.0	.0	.0
225. *	.6	.0	.1	.1	.0	.0	.0	.0
230. *	.6	.0	.1	.1	.0	.0	.0	.0
235. *	.7	.0	.3	.1	.1	.0	.0	.0
240. *	.8	.1	.3	.3	.1	.0	.0	.0
245. *	.8	.2	.4	.4	.3	.0	.0	.0
250. *	.8	.3	.7	.6	.4	.0	.0	.0

255.	*	.9	.5	.8	.8	.6	.0	.0	.0
260.	*	.9	.6	.9	.9	.7	.1	.0	.0
265.	*	.7	.7	1.0	.9	.9	.4	.0	.0
270.	*	.5	.8	1.1	.9	.9	.4	.0	.0
275.	*	.4	.9	1.0	.9	.7	.5	.3	.0
280.	*	.3	1.0	1.0	.7	.6	.3	.3	.0
285.	*	.2	.9	.9	.7	.6	.3	.2	.0
290.	*	.1	.9	.7	.6	.5	.2	.2	.1
295.	*	.0	.9	.7	.6	.6	.2	.2	.2
300.	*	.0	.7	.7	.6	.5	.3	.1	.1
305.	*	.0	.7	.6	.6	.6	.3	.1	.1
310.	*	.0	.6	.6	.6	.7	.2	.1	.1
315.	*	.0	.6	.5	.5	.8	.2	.2	.2
320.	*	.0	.7	.5	.5	.8	.6	.4	.2
325.	*	.0	.6	.5	.5	1.0	.6	.5	.4
330.	*	.0	.6	.6	.5	1.3	.6	.5	.5
335.	*	.0	.5	.6	.5	1.5	1.1	.7	.6
340.	*	.0	.6	.6	.6	1.7	1.1	.8	.8
345.	*	.0	.5	.6	.7	1.7	1.1	.8	1.0
350.	*	.0	.5	.6	1.1	1.8	1.1	.9	1.0
355.	*	.0	.5	.5	1.1	1.6	.9	1.1	.9
360.	*	.0	.5	.8	1.3	1.5	.9	1.0	1.0
MAX	*	.9	1.2	1.2	1.3	1.8	1.2	1.1	1.0
DEGR.	*	255	60	30	0	350	35	355	0

THE HIGHEST CONCENTRATION IS 2.10 PPM AT 145 DEGREES FROM REC16.
THE 2ND HIGHEST CONCENTRATION IS 1.90 PPM AT 130 DEGREES FROM REC17.
THE 3RD HIGHEST CONCENTRATION IS 1.80 PPM AT 205 DEGREES FROM REC10.

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S8 Lombard & President BDAM35           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1661.     1054.       5.0
SE 164 S                 1607.     1165.       5.0
SE 82 S                  1570.     1238.       5.0
SE CNR                   1534.     1312.       5.0
SE 82 E                  1607.     1350.       5.0
SE 164 E                 1680.     1387.       5.0
SE MID E                 1808.     1440.       5.0
NE MID E                 1762.     1504.       5.0
NE 164  E                1657.     1430.       5.0
NE 82  E                 1583.     1395.       5.0
NE CNR                   1511.     1367.       5.0
NE 82 N                  1473.     1435.       5.0
NE 164 N                 1436.     1510.       5.0
NE MID N                 1378.     1629.       5.0
NW MID N                 1254.     1606.       5.0
NW 164 N                 1319.     1466.       5.0
NW 82 N                  1344.     1387.       5.0
NW CNR                   1366.     1316.       5.0
NW 82 W                  1299.     1289.       5.0
NW 164 W                 1221.     1264.       5.0
NW MID W                 1051.     1231.       5.0
SW MID W                 1046.     1148.       5.0
SW 164 W                 1257.     1201.       5.0
SW 82 W                  1338.     1224.       5.0
SW CNR                   1416.     1244.       5.0
SW 82 S                  1452.     1169.       5.0
SW 164 S                 1487.     1094.       5.0
SW MID S                 1524.     1013.       5.0
Site 8 Build AM 2035                     36  1   0
  1
WB        Lom ap    AG  2349.  1748.  1969.  1554.    870. 7.8   0  44   30.
  1
WB        Lom ap1   AG  1969.  1554.  1855.  1537.    435. 7.8   0  44   30.
  1
WB        Lom ap1   AG  1855.  1537.  1793.  1506.    435. 7.8   0  44   30.
  1
WB        Lom ap1   AG  1793.  1506.  1719.  1436.    435. 7.8   0  44   30.
  1
WB        Lom ap2   AG  1969.  1554.  1888.  1494.    435. 7.8   0  32   30.
  1
WB        Lom ap2   AG  1888.  1494.  1831.  1463.    435. 7.8   0  32   30.
  1
WB        Lom ap2   AG  1831.  1463.  1719.  1436.    435. 7.8   0  32   30.
  1
WB        Lom ap3   AG  1719.  1436.  1501.  1326.    870. 7.8   0  56   30.
  2
WB        Lom ap    AG  1535.  1343.  1688.  1421.      0.  36   3
       140       107       2.0  870   42.1 1387 1 3
  1
WB        Lom dep   AG  1501.  1326.  1347.  1267.   2550. 7.8   0  68   30.
  1
WB        Lom dep   AG  1347.  1267.  1160.  1201.   2550. 7.8   0  68   30.
  1
WB        Lom dep   AG  1160.  1201.  1011.  1183.   2550. 7.8   0  92   30.
  1
WB        Lom dep   AG  1011.  1183.   807.  1176.   2550. 7.8   0  80   30.
  1
WB        Lom dep   AG   807.  1176.   465.  1161.   2550. 7.8   0  80   30.
  1
NB        Pres ap   AG  1934.   426.  1839.   622.   2690. 7.9   0  56   35.
  1
NB        Pres ap   AG  1839.   622.  1721.   844.   2690. 7.9   0  68   35.
  1
NB        Pres ap   AG  1721.   844.  1639.  1016.   2690. 7.9   0  68   35.
  1
NB        Pres thru AG  1639.  1016.  1591.  1125.   1715. 7.9   0  56   35.
  1
NB        Pres thru AG  1591.  1125.  1503.  1304.   1715. 7.9   0  56   35.
  2
NB        Pres ap   AG  1519.  1271.  1579.  1151.      0.  36   3
       140        33       2.0 1715   42.1 1552 1 3
  1
NB        Pres left AG  1639.  1016.  1569.  1111.    975. 7.9   0  44   35.
  1
NB        Pres left AG  1569.  1111.  1480.  1294.    975. 7.9   0  44   35.
  2
NB        Pres left AG  1498.  1258.  1556.  1138.      0.  24   2
       140        97       2.0  975   42.1 1700 1 3
  1
NB        Pres dep  AG  1503.  1304.  1326.  1668.   1845. 7.9   0  56   35.
```

```
  1
NB        Pres dep  AG  1326.  1668.  1181.  1944.   1845. 7.9   0  68   35.
  1
NB        Pres dep  AG  1181.  1944.  1024.  2203.   1845. 7.9   0  68   35.
  1
SB        Pres ap   AG   950.  2164.  1048.  2012.   2045. 7.9   0  56   35.
  1
SB        Pres ap   AG  1048.  2012.  1181.  1795.   2045. 7.9   0  56   35.
  1
SB        Pres ap   AG  1181.  1795.  1272.  1632.   2045. 7.9   0  56   35.
  1
SB        Pres ap   AG  1272.  1632.  1347.  1477.   2045. 7.9   0  56   35.
  1
SB        Pres ap   AG  1347.  1477.  1412.  1304.   2045. 7.9   0  68   35.
  2
SB        Pres ap   AG  1398.  1342.  1351.  1464.      0.  48   4
       140        76       2.0 2045   42.1 1376 1 3
  1
SB        Pres dep  AG  1412.  1304.  1468.  1205.   1210. 7.9   0  56   35.
  1
SB        Pres dep  AG  1468.  1205.  1648.   829.   1210. 7.9   0  56   35.
  1
SB        Pres dep  AG  1648.   829.  1773.   581.   1210. 7.9   0  56   35.
  1
SB        Pres dep  AG  1773.   581.  1867.   393.   1210. 7.9   0  56   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S8 Lombard & President BDAM35 RUN: Site 8 Build AM 2035
DATE: 09/04/2012 TIME: 12:54:18.23

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom ap	2349.0	1748.0	1969.0	1554.0	427.	243.	AG	870.	7.8	.0	44.0		
2. WB	Lom ap1	1969.0	1554.0	1855.0	1537.0	115.	262.	AG	435.	7.8	.0	44.0		
3. WB	Lom ap1	1855.0	1537.0	1793.0	1506.0	69.	243.	AG	435.	7.8	.0	44.0		
4. WB	Lom ap1	1793.0	1506.0	1719.0	1436.0	102.	227.	AG	435.	7.8	.0	44.0		
5. WB	Lom ap2	1969.0	1554.0	1888.0	1494.0	101.	233.	AG	435.	7.8	.0	32.0		
6. WB	Lom ap2	1888.0	1494.0	1831.0	1463.0	65.	241.	AG	435.	7.8	.0	32.0		
7. WB	Lom ap2	1831.0	1463.0	1719.0	1436.0	115.	256.	AG	435.	7.8	.0	32.0		
8. WB	Lom ap3	1719.0	1436.0	1501.0	1326.0	244.	243.	AG	870.	7.8	.0	56.0		
9. WB	Lom ap	1535.0	1343.0	1786.6	1471.3	282.	63.	AG	259.	100.0	.0	36.0	1.01	14.3
10. WB	Lom dep	1501.0	1326.0	1347.0	1267.0	165.	249.	AG	2550.	7.8	.0	68.0		
11. WB	Lom dep	1347.0	1267.0	1160.0	1201.0	198.	251.	AG	2550.	7.8	.0	68.0		
12. WB	Lom dep	1160.0	1201.0	1011.0	1183.0	150.	263.	AG	2550.	7.8	.0	92.0		
13. WB	Lom dep	1011.0	1183.0	807.0	1176.0	204.	268.	AG	2550.	7.8	.0	80.0		
14. WB	Lom dep	807.0	1176.0	465.0	1161.0	342.	267.	AG	2550.	7.8	.0	80.0		
15. NB	Pres ap	1934.0	426.0	1839.0	622.0	218.	334.	AG	2690.	7.9	.0	56.0		
16. NB	Pres ap	1839.0	622.0	1721.0	844.0	251.	332.	AG	2690.	7.9	.0	68.0		
17. NB	Pres ap	1721.0	844.0	1639.0	1016.0	191.	335.	AG	2690.	7.9	.0	68.0		
18. NB	Pres thru	1639.0	1016.0	1591.0	1125.0	119.	336.	AG	1715.	7.9	.0	56.0		
19. NB	Pres thru	1591.0	1125.0	1503.0	1304.0	199.	334.	AG	1715.	7.9	.0	56.0		
20. NB	Pres ap	1519.0	1271.0	1565.1	1178.8	103.	153.	AG	80.	100.0	.0	36.0	.50	5.2
21. NB	Pres left	1639.0	1016.0	1569.0	1111.0	118.	324.	AG	975.	7.9	.0	44.0		
22. NB	Pres left	1569.0	1111.0	1480.0	1294.0	203.	334.	AG	975.	7.9	.0	44.0		
23. NB	Pres left	1498.0	1258.0	1717.6	803.6	505.	154.	AG	156.	100.0	.0	24.0	1.03	25.6
24. NB	Pres dep	1503.0	1304.0	1326.0	1668.0	405.	334.	AG	1845.	7.9	.0	56.0		
25. NB	Pres dep	1326.0	1668.0	1181.0	1944.0	312.	332.	AG	1845.	7.9	.0	68.0		
26. NB	Pres dep	1181.0	1944.0	1024.0	2203.0	303.	329.	AG	1845.	7.9	.0	68.0		
27. SB	Pres ap	950.0	2164.0	1048.0	2012.0	181.	147.	AG	2045.	7.9	.0	56.0		
28. SB	Pres ap	1048.0	2012.0	1181.0	1795.0	255.	148.	AG	2045.	7.9	.0	56.0		
29. SB	Pres ap	1181.0	1795.0	1272.0	1632.0	187.	151.	AG	2045.	7.9	.0	56.0		
30. SB	Pres ap	1272.0	1632.0	1347.0	1477.0	172.	154.	AG	2045.	7.9	.0	56.0		
31. SB	Pres ap	1347.0	1477.0	1412.0	1304.0	185.	159.	AG	2045.	7.9	.0	68.0		
32. SB	Pres ap	1398.0	1342.0	1313.9	1560.2	234.	339.	AG	245.	100.0	.0	48.0	.87	11.9
33. SB	Pres dep	1412.0	1304.0	1468.0	1205.0	114.	151.	AG	1210.	7.9	.0	56.0		
34. SB	Pres dep	1468.0	1205.0	1648.0	829.0	417.	154.	AG	1210.	7.9	.0	56.0		
35. SB	Pres dep	1648.0	829.0	1773.0	581.0	278.	153.	AG	1210.	7.9	.0	56.0		
36. SB	Pres dep	1773.0	581.0	1867.0	393.0	210.	153.	AG	1210.	7.9	.0	56.0		

JOB: S8 Lombard & President BDAM35 RUN: Site 8 Build AM 2035
DATE: 09/04/2012 TIME: 12:54:18.23

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
9. WB	Lom ap	140	107	2.0	870	1387	42.10	1	3
20. NB	Pres ap	140	33	2.0	1715	1552	42.10	1	3
23. NB	Pres left	140	97	2.0	975	1700	42.10	1	3
32. SB	Pres ap	140	76	2.0	2045	1376	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1661.0	1054.0	5.0
2. SE 164 S	1607.0	1165.0	5.0
3. SE 82 S	1570.0	1238.0	5.0
4. SE CNR	1534.0	1312.0	5.0
5. SE 82 E	1607.0	1350.0	5.0
6. SE 164 E	1680.0	1387.0	5.0
7. SE MID E	1808.0	1440.0	5.0
8. NE MID E	1762.0	1504.0	5.0
9. NE 164 E	1657.0	1430.0	5.0
10. NE 82 E	1583.0	1395.0	5.0
11. NE CNR	1511.0	1367.0	5.0
12. NE 82 N	1473.0	1435.0	5.0
13. NE 164 N	1436.0	1510.0	5.0
14. NE MID N	1378.0	1629.0	5.0
15. NW MID N	1254.0	1606.0	5.0
16. NW 164 N	1319.0	1466.0	5.0
17. NW 82 N	1344.0	1387.0	5.0
18. NW CNR	1366.0	1316.0	5.0
19. NW 82 W	1299.0	1289.0	5.0
20. NW 164 W	1221.0	1264.0	5.0

21. NW MID W	*	1051.0	1231.0	5.0	*
22. SW MID W	*	1046.0	1148.0	5.0	*
23. SW 164 W	*	1257.0	1201.0	5.0	*
24. SW 82 W	*	1338.0	1224.0	5.0	*
25. SW CNR	*	1416.0	1244.0	5.0	*
26. SW 82 S	*	1452.0	1169.0	5.0	*
27. SW 164 S	*	1487.0	1094.0	5.0	*
28. SW MID S	*	1524.0	1013.0	5.0	*

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JOB: S8 Lombard & President BDAM35 RUN: Site 8 Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.1	.4	.4	.7	1.0	1.0	.1	.0	.0	.0	.0	.1	.1	.1	.9	1.6	1.7	1.6	.7	.2
5.	*	.1	.3	.4	.6	1.0	1.0	.1	.0	.0	.0	.0	.1	.1	.0	1.0	1.7	1.8	1.5	.6	.4
10.	*	.1	.3	.4	.7	1.0	1.0	.1	.0	.0	.0	.0	.1	.1	.0	1.0	1.8	1.6	1.5	.6	.3
15.	*	.1	.2	.4	.8	1.1	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.9	1.7	1.6	1.4	.6	.4
20.	*	.1	.2	.4	1.0	1.2	1.1	.1	.0	.1	.0	.0	.0	.0	.0	.8	1.6	1.6	1.3	.7	.3
25.	*	.0	.2	.4	1.0	1.3	1.1	.1	.0	.1	.0	.0	.0	.0	.0	.7	1.6	1.5	1.3	.6	.5
30.	*	.0	.1	.4	1.1	1.3	1.1	.1	.0	.1	.0	.0	.0	.0	.0	.8	1.6	1.5	1.2	.6	.5
35.	*	.0	.1	.4	1.1	1.3	1.2	.2	.0	.2	.2	.0	.0	.0	.0	.8	1.6	1.4	1.2	.6	.5
40.	*	.0	.1	.3	1.2	1.3	1.2	.2	.0	.2	.2	.0	.0	.0	.0	.8	1.4	1.4	1.3	.6	.4
45.	*	.0	.0	.2	1.2	1.3	1.2	.3	.1	.3	.3	.1	.0	.0	.0	.8	1.4	1.4	1.2	.6	.5
50.	*	.0	.0	.1	1.2	1.3	1.2	.3	.1	.4	.4	.3	.0	.0	.0	.7	1.4	1.4	1.1	.6	.5
55.	*	.0	.0	.1	1.1	1.0	1.0	.3	.2	.5	.6	.4	.0	.0	.0	.8	1.4	1.4	1.1	.7	.7
60.	*	.0	.0	.0	1.0	.9	.7	.3	.3	.9	.8	.6	.0	.0	.0	.9	1.5	1.4	1.3	.9	.7
65.	*	.0	.0	.0	.8	.7	.5	.3	.3	1.0	1.0	.7	.0	.0	.0	.7	1.5	1.5	1.4	1.0	.7
70.	*	.0	.0	.0	.6	.6	.4	.3	.3	1.2	1.2	.9	.1	.0	.0	.7	1.6	1.5	1.6	1.2	.9
75.	*	.0	.0	.0	.4	.3	.3	.1	.3	1.4	1.3	1.1	.1	.0	.0	.7	1.5	1.5	1.6	1.3	1.0
80.	*	.0	.0	.0	.2	.2	.2	.0	.3	1.4	1.4	1.2	.2	.0	.0	.7	1.5	1.6	1.4	1.2	1.0
85.	*	.0	.0	.0	.2	.2	.1	.0	.2	1.4	1.4	1.1	.2	.1	.0	.7	1.5	1.7	1.5	1.2	1.1
90.	*	.0	.0	.0	.0	.0	.0	.0	.2	1.4	1.4	1.1	.4	.1	.0	.7	1.5	1.7	1.5	1.3	1.1
95.	*	.0	.0	.0	.0	.0	.0	.0	.2	1.3	1.3	1.1	.4	.1	.0	.7	1.6	1.8	1.3	1.4	1.1
100.	*	.0	.0	.0	.0	.0	.0	.0	.2	1.2	1.3	1.1	.4	.2	.0	.9	1.7	1.8	1.4	1.1	1.0
105.	*	.0	.0	.0	.0	.0	.0	.0	.1	1.2	1.3	.9	.4	.2	.1	1.0	1.9	1.7	1.4	1.1	1.0
110.	*	.0	.0	.0	.0	.0	.0	.0	.1	1.2	1.1	.9	.4	.2	.1	1.1	1.9	1.8	1.3	1.1	1.0
115.	*	.0	.0	.0	.0	.0	.0	.0	.2	1.1	1.1	.8	.4	.3	.1	1.2	1.8	1.7	1.4	1.2	.8
120.	*	.0	.0	.0	.0	.0	.0	.0	.2	1.1	1.0	.7	.4	.4	.2	1.3	1.9	1.6	1.4	1.2	.9
125.	*	.0	.0	.0	.1	.0	.0	.0	.2	1.1	1.0	.7	.5	.4	.2	1.5	2.0	1.9	1.5	1.2	.9
130.	*	.1	.0	.1	.1	.0	.0	.0	.3	1.0	1.0	.6	.5	.4	.2	1.5	2.0	1.8	1.6	1.0	.9
135.	*	.1	.0	.1	.1	.0	.0	.0	.4	1.0	1.0	.6	.4	.4	.2	1.6	1.9	1.8	1.4	1.0	.7
140.	*	.3	.2	.2	.1	.0	.0	.0	.5	1.0	1.0	.6	.5	.5	.3	1.6	2.1	1.9	1.5	1.0	.5
145.	*	.3	.3	.6	.4	.0	.0	.0	.5	1.1	1.0	.7	.7	.7	.4	1.6	2.1	1.7	1.3	.8	.5
150.	*	.6	.7	.6	.8	.0	.0	.0	.6	1.1	1.0	1.0	.8	.7	.6	1.5	2.0	1.4	1.2	.7	.6
155.	*	.8	.7	.8	1.0	.0	.0	.0	.6	1.1	1.0	1.3	1.2	1.0	.9	1.4	1.7	1.2	1.0	.6	.6
160.	*	1.0	1.0	1.0	1.2	.3	.0	.0	.7	1.1	1.3	1.6	1.4	1.0	1.1	.9	1.4	1.0	.9	.6	.6
165.	*	1.3	1.2	1.3	1.4	.3	.1	.0	.7	1.1	1.3	1.4	1.3	1.1	1.1	.8	1.0	.7	.7	.6	.6
170.	*	1.1	1.3	1.4	1.4	.4	.2	.0	.8	1.3	1.5	1.4	1.2	1.1	1.2	.5	.8	.5	.6	.6	.6
175.	*	1.2	1.3	1.4	1.4	.5	.3	.0	.8	1.3	1.5	1.4	1.2	1.3	1.4	.3	.6	.4	.6	.6	.5
180.	*	1.3	1.1	1.4	1.3	.6	.2	.1	.8	1.2	1.5	1.5	1.2	1.1	1.3	.2	.5	.4	.6	.6	.5
185.	*	1.2	1.1	1.3	1.3	.6	.2	.2	1.0	1.4	1.7	1.3	1.3	1.1	1.5	.2	.4	.4	.6	.6	.5
190.	*	1.0	1.1	1.4	1.2	.6	.4	.2	1.0	1.4	1.8	1.3	1.0	1.2	1.3	.2	.4	.4	.6	.6	.5
195.	*	1.2	1.0	1.3	1.2	.7	.4	.2	1.0	1.5	1.7	1.3	1.0	1.1	1.3	.3	.4	.4	.6	.6	.6
200.	*	1.1	1.0	1.3	1.1	.7	.3	.2	1.0	1.6	1.8	1.4	1.0	1.2	1.3	.2	.3	.3	.7	.6	.7
205.	*	1.1	1.1	1.2	1.1	.6	.3	.1	1.0	1.6	1.8	1.2	1.2	1.3	1.2	.2	.3	.4	.6	.6	.7

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JOB: S8 Lombard & President BDAM35 RUN: Site 8 Build AM 2035

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	1.0	1.1	1.2	1.1	.6	.3	.1	1.1	1.8	1.6	1.3	1.1	1.3	1.1	.1	.3	.3	.7	.7	.7
215.	*	1.1	1.0	1.2	1.1	.6	.4	.1	1.1	1.7	1.7	1.1	1.1	1.2	1.0	.1	.3	.4	.7	.7	.7
220.	*	1.0	1.0	1.2	.9	.7	.6	.2	1.1	1.7	1.6	1.2	1.1	1.2	.9	.1	.3	.3	.8	.8	.7
225.	*	1.0	.9	1.2	.9	.7	.5	.3	1.1	1.6	1.5	1.3	1.0	1.3	.9	.1	.2	.3	.7	.8	.7
230.	*	.9	.9	1.2	.8	.8	.7	.3	.9	1.6	1.5	1.4	1.2	1.2	.8	.1	.2	.2	.8	.8	.7
235.	*	1.1	.9	1.2	1.0	.8	.8	.4	.9	1.5	1.5	1.4	1.1	1.2	.9	.1	.2	.3	.8	.7	.8
240.	*	1.0	.9	1.2	1.2	1.1	1.0	.6	.9	1.6	1.3	1.4	1.2	1.3	.9	.1	.2	.3	.8	.9	.7
245.	*	1.0	.9	1.2	1.3	1.1	1.1	.8	.9	1.4	1.2	1.4	1.4	1.3	.7	.0	.2	.3	.7	.8	.7
250.	*	1.0	1.0	1.4	1.6	1.4	1.5	1.1	.7	1.2	1.1	1.4	1.2	1.2	.7	.0	.1	.3	.7	.9	.7
255.	*	1.0	1.0	1.4	1.7	1.4	1.6	1.4	.4	1.0	.9	1.4	1.0	1.1	.6	.0	.1	.2	.7	.6	.6
260.	*	.9	.9	1.4	2.0	1.6	1.7	1.3	.4	.7	.8	1.1	.9	1.1	.7	.0	.0	.1	.5	.5	.5
265.	*	1.0	1.1	1.4	1.4	1.7	1.6	1.3	.2	.5	.7	1.0	.9	1.0	.7	.0	.0	.0	.4	.5	.5
270.	*	1.0	1.2	1.4	1.5	1.7	1.7	1.3	.2	.6	.6	.9	.9	.9	.6	.0	.0	.0	.1	.4	.4
275.	*	1.0	1.3	1.4	1.4	1.7	1.5	1.3	.3	.6	.5	.9	1.1	1.0	.6	.0	.0	.0	.0	.1	.4
280.	*	1.0	1.3	1.4	1.4	1.7	1.5	1.2	.2	.5	.5	1.0	1.1	1.0	.8	.0	.0	.0	.0	.1	.0
285.	*	1.1	1.5	1.3	1.5	1.7	1.6	1.1	.1	.4	.6	1.0	1.1	1.0	.8	.0	.0	.0	.0	.1	.0
290.	*	1.1	1.5	1.6	1.4	1.5	1.4	1.0	.1	.3	.6	1.0	1.0	.9	.7	.0	.0	.0	.0	.1	.0
295.	*	1.3	1.3	1.6	1.6	1.6	1.3	.9	.1	.3	.6	1.1	1.2	1.0	.8	.0	.1	.1	.0	.1	.0
300.	*	1.4	1.7	1.5	1.6	1.6	1.3	.8	.1	.2	.4	1.1	1.2	1.0	.9	.0	.1	.1	.0	.0	.0

305. *	1.3	1.6	1.4	1.6	1.4	1.1	.8	.1	.2	.4	1.1	1.2	1.0	.9	.1	.1	.1	.0	.0	.0
310. *	1.4	1.6	1.3	1.6	1.4	1.2	.7	.0	.2	.6	1.0	1.1	1.1	1.0	.1	.2	.1	.0	.0	.0
315. *	1.5	1.3	1.5	1.3	1.5	1.2	.7	.0	.1	.5	1.1	1.0	1.0	.9	.3	.2	.1	.1	.0	.0
320. *	1.3	1.4	1.4	1.5	1.2	1.1	.6	.0	.1	.2	1.0	1.1	1.0	1.0	.3	.4	.3	.1	.0	.0
325. *	1.2	1.2	1.3	1.4	1.2	1.0	.5	.0	.0	.2	.9	1.1	1.0	1.0	.4	.6	.4	.2	.0	.0
330. *	.9	1.1	1.3	1.0	1.2	1.0	.5	.0	.0	.2	.8	.8	1.0	.7	.7	.9	.7	.6	.0	.0
335. *	.9	.9	1.0	1.0	1.0	1.0	.4	.0	.0	.0	.5	.5	.5	.6	.9	1.1	1.0	.8	.0	.0
340. *	.4	.6	.6	.8	1.0	1.0	.2	.0	.0	.0	.4	.4	.4	.5	.9	1.3	1.2	1.0	.0	.0
345. *	.4	.5	.5	.6	1.0	1.0	.2	.0	.0	.0	.2	.3	.3	.3	1.1	1.5	1.4	1.3	.3	.0
350. *	.3	.5	.5	.6	1.0	1.0	.2	.0	.0	.0	.1	.2	.2	.2	1.2	1.5	1.7	1.4	.4	.0
355. *	.1	.4	.5	.6	1.0	1.0	.1	.0	.0	.0	.1	.1	.1	.2	1.1	1.6	1.7	1.5	.4	.2
360. *	.1	.4	.4	.7	1.0	1.0	.1	.0	.0	.0	.0	.1	.1	.1	.9	1.6	1.7	1.6	.7	.2
MAX *	1.5	1.7	1.6	2.0	1.7	1.7	1.4	1.1	1.8	1.8	1.6	1.4	1.3	1.5	1.6	2.1	1.9	1.6	1.4	1.1
DEGR. *	315	300	290	260	265	260	255	210	210	190	160	160	175	185	135	140	125	130	95	85

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JOB: S8 Lombard & President BDAM35 RUN: Site 8 Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.6	.9	1.4	1.6	.9	1.0	1.1
5. *	.0	.6	1.0	1.3	1.4	1.0	1.0	1.1
10. *	.0	.5	1.0	1.3	1.3	.9	1.2	1.0
15. *	.0	.6	1.1	1.2	1.3	1.1	1.1	.9
20. *	.2	.6	1.1	1.2	1.2	1.1	1.2	.9
25. *	.2	.6	1.1	1.2	1.1	1.1	1.1	1.0
30. *	.1	.7	1.2	1.2	1.2	1.2	1.1	.9
35. *	.3	.8	1.2	1.1	1.2	1.1	1.0	.9
40. *	.4	.9	1.1	1.2	1.3	1.2	1.0	.8
45. *	.4	1.1	1.3	1.1	1.4	1.2	.9	.8
50. *	.3	1.1	1.3	1.3	1.4	1.1	.9	.8
55. *	.4	1.3	1.3	1.2	1.4	1.0	.8	.8
60. *	.4	1.3	1.3	1.2	1.3	1.0	.8	.8
65. *	.7	1.2	1.0	1.1	1.1	.9	.8	.8
70. *	.8	1.0	1.0	.9	1.1	.9	.8	.8
75. *	.9	.9	.9	.8	.9	.9	.9	.9
80. *	.7	.8	.8	.7	1.0	.9	.9	.8
85. *	.9	.5	.6	.5	.8	.9	.7	.8
90. *	.8	.5	.5	.5	.9	.8	.8	.9
95. *	.9	.5	.4	.5	.9	.8	.8	.8
100. *	.8	.3	.4	.5	.9	.8	.8	.8
105. *	.8	.3	.3	.5	.9	.8	.9	.8
110. *	.8	.2	.3	.4	1.0	.8	.8	.8
115. *	.8	.1	.4	.4	1.0	1.1	.9	.8
120. *	.7	.1	.4	.4	.9	1.1	1.0	1.0
125. *	.7	.1	.4	.3	1.1	.9	1.1	1.0
130. *	.6	.1	.5	.4	1.1	1.0	1.0	.9
135. *	.6	.1	.2	.4	1.2	1.0	.9	1.0
140. *	.5	.1	.0	.4	1.0	.9	.9	.9
145. *	.5	.1	.0	.3	.9	.8	.8	.8
150. *	.5	.1	.0	.1	.7	.7	.8	.7
155. *	.5	.1	.0	.0	.6	.6	.6	.4
160. *	.5	.0	.0	.0	.4	.3	.2	.3
165. *	.6	.0	.0	.0	.2	.2	.2	.1
170. *	.6	.0	.0	.0	.2	.1	.1	.1
175. *	.6	.0	.0	.0	.1	.1	.1	.1
180. *	.6	.0	.0	.0	.1	.1	.1	.0
185. *	.5	.0	.0	.0	.0	.0	.0	.0
190. *	.5	.0	.1	.0	.0	.0	.0	.0
195. *	.6	.0	.1	.0	.0	.0	.0	.0
200. *	.6	.0	.1	.0	.0	.0	.0	.0
205. *	.6	.0	.1	.1	.0	.0	.0	.0

1

JOB: S8 Lombard & President BDAM35 RUN: Site 8 Build AM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.6	.0	.1	.1	.0	.0	.0	.0
215. *	.6	.0	.1	.1	.0	.0	.0	.0
220. *	.7	.0	.1	.1	.0	.0	.0	.0
225. *	.7	.0	.1	.1	.0	.0	.0	.0
230. *	.8	.0	.1	.1	.0	.0	.0	.0
235. *	.7	.0	.3	.2	.1	.0	.0	.0
240. *	.8	.1	.4	.3	.1	.0	.0	.0
245. *	.8	.2	.4	.4	.3	.0	.0	.0
250. *	.9	.3	.7	.6	.4	.0	.0	.0

255.	*	.9	.5	.9	.8	.6	.0	.0	.0
260.	*	.9	.7	1.0	1.0	.9	.1	.0	.0
265.	*	.8	.9	1.1	1.0	.9	.4	.0	.0
270.	*	.6	.9	1.1	1.0	.9	.4	.1	.0
275.	*	.5	1.0	1.1	1.0	.8	.5	.3	.0
280.	*	.3	1.0	1.1	.8	.6	.4	.4	.1
285.	*	.2	.9	1.0	.8	.6	.3	.3	.2
290.	*	.1	.9	.8	.7	.6	.2	.2	.1
295.	*	.0	.9	.7	.6	.6	.2	.2	.2
300.	*	.0	.7	.7	.6	.6	.3	.1	.2
305.	*	.0	.7	.6	.6	.6	.3	.2	.1
310.	*	.0	.7	.6	.6	.8	.2	.1	.1
315.	*	.0	.7	.6	.6	.8	.4	.3	.2
320.	*	.0	.7	.6	.6	.8	.6	.4	.3
325.	*	.0	.6	.6	.6	1.0	.6	.6	.4
330.	*	.0	.7	.6	.6	1.4	.9	.6	.6
335.	*	.0	.5	.6	.6	1.7	1.1	.8	.6
340.	*	.0	.6	.6	.7	1.8	1.3	.9	.8
345.	*	.0	.5	.6	1.1	1.8	1.3	.9	1.1
350.	*	.0	.5	.6	1.2	2.0	1.3	1.1	1.1
355.	*	.0	.6	.7	1.2	1.7	1.0	1.1	1.1
360.	*	.0	.6	.9	1.4	1.6	.9	1.0	1.1
MAX	*	.9	1.3	1.3	1.4	2.0	1.3	1.2	1.1
DEGR.	*	75	55	45	0	350	340	10	345

THE HIGHEST CONCENTRATION IS 2.10 PPM AT 140 DEGREES FROM REC16.
THE 2ND HIGHEST CONCENTRATION IS 2.00 PPM AT 260 DEGREES FROM REC4 .
THE 3RD HIGHEST CONCENTRATION IS 2.00 PPM AT 350 DEGREES FROM REC25.

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S8 Lombard & President BDPM21           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1661.     1054.       5.0
SE 164 S                 1607.     1165.       5.0
SE 82 S                  1570.     1238.       5.0
SE CNR                   1534.     1312.       5.0
SE 82 E                  1607.     1350.       5.0
SE 164 E                 1680.     1387.       5.0
SE MID E                 1808.     1440.       5.0
NE MID E                 1762.     1504.       5.0
NE 164  E                1657.     1430.       5.0
NE 82  E                 1583.     1395.       5.0
NE CNR                   1511.     1367.       5.0
NE 82 N                  1473.     1435.       5.0
NE 164 N                 1436.     1510.       5.0
NE MID N                 1378.     1629.       5.0
NW MID N                 1254.     1606.       5.0
NW 164 N                 1319.     1466.       5.0
NW 82 N                  1344.     1387.       5.0
NW CNR                   1366.     1316.       5.0
NW 82 W                  1299.     1289.       5.0
NW 164 W                 1221.     1264.       5.0
NW MID W                 1051.     1231.       5.0
SW MID W                 1046.     1148.       5.0
SW 164 W                 1257.     1201.       5.0
SW 82 W                  1338.     1224.       5.0
SW CNR                   1416.     1244.       5.0
SW 82 S                  1452.     1169.       5.0
SW 164 S                 1487.     1094.       5.0
SW MID S                 1524.     1013.       5.0
Site 8 Build PM 2021                     36  1   0
  1
WB        Lom ap    AG  2349.  1748.  1969.  1554.    915. 8.1   0  44   30.
  1
WB        Lom ap1   AG  1969.  1554.  1855.  1537.    457. 8.1   0  44   30.
  1
WB        Lom ap1   AG  1855.  1537.  1793.  1506.    457. 8.1   0  44   30.
  1
WB        Lom ap1   AG  1793.  1506.  1719.  1436.    457. 8.1   0  44   30.
  1
WB        Lom ap2   AG  1969.  1554.  1888.  1494.    458. 8.1   0  32   30.
  1
WB        Lom ap2   AG  1888.  1494.  1831.  1463.    458. 8.1   0  32   30.
  1
WB        Lom ap2   AG  1831.  1463.  1719.  1436.    458. 8.1   0  32   30.
  1
WB        Lom ap3   AG  1719.  1436.  1501.  1326.    915. 8.1   0  56   30.
  2
WB        Lom ap    AG  1535.  1343.  1688.  1421.      0.  36   3
       110        82       2.0  915   43.6 1541 1 3
  1
WB        Lom dep   AG  1501.  1326.  1347.  1267.   1950. 8.1   0  68   30.
  1
WB        Lom dep   AG  1347.  1267.  1160.  1201.   1950. 8.1   0  68   30.
  1
WB        Lom dep   AG  1160.  1201.  1011.  1183.   1950. 8.1   0  92   30.
  1
WB        Lom dep   AG  1011.  1183.   807.  1176.   1950. 8.1   0  80   30.
  1
WB        Lom dep   AG   807.  1176.   465.  1161.   1950. 8.1   0  80   30.
  1
NB        Pres ap   AG  1934.   426.  1839.   622.   2730. 8.1   0  56   35.
  1
NB        Pres ap   AG  1839.   622.  1721.   844.   2730. 8.1   0  68   35.
  1
NB        Pres ap   AG  1721.   844.  1639.  1016.   2730. 8.1   0  68   35.
  1
NB        Pres thru AG  1639.  1016.  1591.  1125.   1845. 8.1   0  56   35.
  1
NB        Pres thru AG  1591.  1125.  1503.  1304.   1845. 8.1   0  56   35.
  2
NB        Pres ap   AG  1519.  1271.  1579.  1151.      0.  36   3
       110        28       2.0 1845   43.6 1725 1 3
  1
NB        Pres left AG  1639.  1016.  1569.  1111.    885. 8.1   0  44   35.
  1
NB        Pres left AG  1569.  1111.  1480.  1294.    885. 8.1   0  44   35.
  2
NB        Pres left AG  1498.  1258.  1556.  1138.      0.  24   2
       110        77       2.0  885   43.6 1687 1 3
  1
NB        Pres dep  AG  1503.  1304.  1326.  1668.   1975. 8.1   0  56   35.
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  1
NB        Pres dep  AG  1326.  1668.  1181.  1944.   1975. 8.1   0  68   35.
  1
NB        Pres dep  AG  1181.  1944.  1024.  2203.   1975. 8.1   0  68   35.
  1
SB        Pres ap   AG   950.  2164.  1048.  2012.   1555. 8.1   0  56   35.
  1
SB        Pres ap   AG  1048.  2012.  1181.  1795.   1555. 8.1   0  56   35.
  1
SB        Pres ap   AG  1181.  1795.  1272.  1632.   1555. 8.1   0  56   35.
  1
SB        Pres ap   AG  1272.  1632.  1347.  1477.   1555. 8.1   0  56   35.
  1
SB        Pres ap   AG  1347.  1477.  1412.  1304.   1555. 8.1   0  68   35.
  2
SB        Pres ap   AG  1398.  1342.  1351.  1464.      0.  48   4
       110        61       2.0 1555   43.6 1476 1 3
  1
SB        Pres dep  AG  1412.  1304.  1468.  1205.   1275. 8.1   0  56   35.
  1
SB        Pres dep  AG  1468.  1205.  1648.   829.   1275. 8.1   0  56   35.
  1
SB        Pres dep  AG  1648.   829.  1773.   581.   1275. 8.1   0  56   35.
  1
SB        Pres dep  AG  1773.   581.  1867.   393.   1275. 8.1   0  56   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S8 Lombard & President BDPM21 RUN: Site 8 Build PM 2021
DATE: 09/04/2012 TIME: 11:49:15.28

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom ap	2349.0	1748.0	1969.0	1554.0	427.	243.	AG	915.	8.1	.0	44.0		
2. WB	Lom ap1	1969.0	1554.0	1855.0	1537.0	115.	262.	AG	457.	8.1	.0	44.0		
3. WB	Lom ap1	1855.0	1537.0	1793.0	1506.0	69.	243.	AG	457.	8.1	.0	44.0		
4. WB	Lom ap1	1793.0	1506.0	1719.0	1436.0	102.	227.	AG	457.	8.1	.0	44.0		
5. WB	Lom ap2	1969.0	1554.0	1888.0	1494.0	101.	233.	AG	458.	8.1	.0	32.0		
6. WB	Lom ap2	1888.0	1494.0	1831.0	1463.0	65.	241.	AG	458.	8.1	.0	32.0		
7. WB	Lom ap2	1831.0	1463.0	1719.0	1436.0	115.	256.	AG	458.	8.1	.0	32.0		
8. WB	Lom ap3	1719.0	1436.0	1501.0	1326.0	244.	243.	AG	915.	8.1	.0	56.0		
9. WB	Lom ap	1535.0	1343.0	1691.5	1422.8	176.	63.	AG	262.	100.0	.0	36.0	.91	8.9
10. WB	Lom dep	1501.0	1326.0	1347.0	1267.0	165.	249.	AG	1950.	8.1	.0	68.0		
11. WB	Lom dep	1347.0	1267.0	1160.0	1201.0	198.	251.	AG	1950.	8.1	.0	68.0		
12. WB	Lom dep	1160.0	1201.0	1011.0	1183.0	150.	263.	AG	1950.	8.1	.0	92.0		
13. WB	Lom dep	1011.0	1183.0	807.0	1176.0	204.	268.	AG	1950.	8.1	.0	80.0		
14. WB	Lom dep	807.0	1176.0	465.0	1161.0	342.	267.	AG	1950.	8.1	.0	80.0		
15. NB	Pres ap	1934.0	426.0	1839.0	622.0	218.	334.	AG	2730.	8.1	.0	56.0		
16. NB	Pres ap	1839.0	622.0	1721.0	844.0	251.	332.	AG	2730.	8.1	.0	68.0		
17. NB	Pres ap	1721.0	844.0	1639.0	1016.0	191.	335.	AG	2730.	8.1	.0	68.0		
18. NB	Pres thru	1639.0	1016.0	1591.0	1125.0	119.	336.	AG	1845.	8.1	.0	56.0		
19. NB	Pres thru	1591.0	1125.0	1503.0	1304.0	199.	334.	AG	1845.	8.1	.0	56.0		
20. NB	Pres ap	1519.0	1271.0	1561.1	1186.8	94.	153.	AG	89.	100.0	.0	36.0	.50	4.8
21. NB	Pres left	1639.0	1016.0	1569.0	1111.0	118.	324.	AG	885.	8.1	.0	44.0		
22. NB	Pres left	1569.0	1111.0	1480.0	1294.0	203.	334.	AG	885.	8.1	.0	44.0		
23. NB	Pres left	1498.0	1258.0	1621.8	1001.9	284.	154.	AG	164.	100.0	.0	24.0	1.00	14.4
24. NB	Pres dep	1503.0	1304.0	1326.0	1668.0	405.	334.	AG	1975.	8.1	.0	56.0		
25. NB	Pres dep	1326.0	1668.0	1181.0	1944.0	312.	332.	AG	1975.	8.1	.0	68.0		
26. NB	Pres dep	1181.0	1944.0	1024.0	2203.0	303.	329.	AG	1975.	8.1	.0	68.0		
27. SB	Pres ap	950.0	2164.0	1048.0	2012.0	181.	147.	AG	1555.	8.1	.0	56.0		
28. SB	Pres ap	1048.0	2012.0	1181.0	1795.0	255.	148.	AG	1555.	8.1	.0	56.0		
29. SB	Pres ap	1181.0	1795.0	1272.0	1632.0	187.	151.	AG	1555.	8.1	.0	56.0		
30. SB	Pres ap	1272.0	1632.0	1347.0	1477.0	172.	154.	AG	1555.	8.1	.0	56.0		
31. SB	Pres ap	1347.0	1477.0	1412.0	1304.0	185.	159.	AG	1555.	8.1	.0	68.0		
32. SB	Pres ap	1398.0	1342.0	1351.5	1462.8	129.	339.	AG	259.	100.0	.0	48.0	.64	6.6
33. SB	Pres dep	1412.0	1304.0	1468.0	1205.0	114.	151.	AG	1275.	8.1	.0	56.0		
34. SB	Pres dep	1468.0	1205.0	1648.0	829.0	417.	154.	AG	1275.	8.1	.0	56.0		
35. SB	Pres dep	1648.0	829.0	1773.0	581.0	278.	153.	AG	1275.	8.1	.0	56.0		
36. SB	Pres dep	1773.0	581.0	1867.0	393.0	210.	153.	AG	1275.	8.1	.0	56.0		

JOB: S8 Lombard & President BDPM21 RUN: Site 8 Build PM 2021
DATE: 09/04/2012 TIME: 11:49:15.28

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
9. WB	Lom ap	110	82	2.0	915	1541	43.60	1	3
20. NB	Pres ap	110	28	2.0	1845	1725	43.60	1	3
23. NB	Pres left	110	77	2.0	885	1687	43.60	1	3
32. SB	Pres ap	110	61	2.0	1555	1476	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1661.0	1054.0	5.0
2. SE 164 S	1607.0	1165.0	5.0
3. SE 82 S	1570.0	1238.0	5.0
4. SE CNR	1534.0	1312.0	5.0
5. SE 82 E	1607.0	1350.0	5.0
6. SE 164 E	1680.0	1387.0	5.0
7. SE MID E	1808.0	1440.0	5.0
8. NE MID E	1762.0	1504.0	5.0
9. NE 164 E	1657.0	1430.0	5.0
10. NE 82 E	1583.0	1395.0	5.0
11. NE CNR	1511.0	1367.0	5.0
12. NE 82 N	1473.0	1435.0	5.0
13. NE 164 N	1436.0	1510.0	5.0
14. NE MID N	1378.0	1629.0	5.0
15. NW MID N	1254.0	1606.0	5.0
16. NW 164 N	1319.0	1466.0	5.0
17. NW 82 N	1344.0	1387.0	5.0
18. NW CNR	1366.0	1316.0	5.0
19. NW 82 W	1299.0	1289.0	5.0
20. NW 164 W	1221.0	1264.0	5.0

21. NW MID W	*	1051.0	1231.0	5.0	*
22. SW MID W	*	1046.0	1148.0	5.0	*
23. SW 164 W	*	1257.0	1201.0	5.0	*
24. SW 82 W	*	1338.0	1224.0	5.0	*
25. SW CNR	*	1416.0	1244.0	5.0	*
26. SW 82 S	*	1452.0	1169.0	5.0	*
27. SW 164 S	*	1487.0	1094.0	5.0	*
28. SW MID S	*	1524.0	1013.0	5.0	*

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JOB: S8 Lombard & President BDPM21 RUN: Site 8 Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.4	.5	.7	1.0	.9	.1	.0	.0	.0	.1	.1	.1	.1	.8	.7	1.3	1.4	.4	.1
5.	.1	.3	.4	.6	1.0	.8	.2	.0	.0	.0	.0	.1	.1	.1	.8	.8	1.4	1.4	.5	.2
10.	.1	.3	.4	.8	1.1	.8	.2	.0	.0	.0	.0	.1	.1	.1	.9	.8	1.3	1.3	.4	.3
15.	.0	.2	.4	.9	1.2	.7	.2	.0	.0	.0	.0	.0	.1	.0	.8	.8	1.4	1.3	.5	.3
20.	.0	.1	.4	1.0	1.2	.7	.1	.0	.0	.0	.0	.0	.0	.0	.8	.7	1.4	1.3	.5	.2
25.	.0	.1	.4	1.0	1.2	.6	.1	.0	.0	.0	.0	.0	.0	.0	.7	.7	1.3	1.2	.7	.3
30.	.0	.1	.3	1.1	1.2	.7	.1	.0	.1	.0	.0	.0	.0	.0	.6	.7	1.3	1.2	.7	.4
35.	.0	.0	.3	1.1	1.2	.6	.2	.0	.1	.1	.0	.0	.0	.0	.7	.7	1.3	1.1	.7	.3
40.	.0	.0	.2	1.1	1.2	.6	.2	.0	.1	.2	.0	.0	.0	.0	.8	.6	1.3	1.1	.7	.4
45.	.0	.0	.1	1.2	1.1	.6	.3	.1	.1	.2	.2	.0	.0	.0	.7	.7	1.3	1.1	.6	.4
50.	.0	.0	.1	1.1	1.0	.6	.3	.2	.2	.3	.2	.0	.0	.0	.6	.7	1.3	1.0	.7	.5
55.	.0	.0	.0	1.0	.9	.4	.3	.2	.2	.5	.3	.0	.0	.0	.8	.7	1.3	1.0	.8	.5
60.	.0	.0	.0	.9	.7	.4	.3	.3	.5	.6	.5	.0	.0	.0	.7	.7	1.3	1.1	.8	.6
65.	.0	.0	.0	.7	.5	.2	.3	.3	.5	.8	.6	.0	.0	.0	.6	.7	1.3	1.3	.9	.7
70.	.0	.0	.0	.5	.4	.1	.3	.3	.7	1.0	.8	.0	.0	.0	.6	.8	1.5	1.3	.9	.7
75.	.0	.0	.0	.3	.2	.1	.1	.3	.7	1.1	1.0	.0	.0	.0	.6	.8	1.4	1.3	1.0	.9
80.	.0	.0	.0	.2	.2	.1	.0	.3	.8	1.2	1.0	.1	.0	.0	.7	.9	1.5	1.2	1.1	.9
85.	.0	.0	.0	.2	.2	.1	.0	.2	.7	1.2	1.1	.2	.0	.0	.7	1.0	1.6	1.4	1.1	.9
90.	.0	.0	.0	.1	.1	.0	.0	.2	.8	1.3	1.1	.3	.0	.0	.7	1.1	1.6	1.3	1.1	.8
95.	.0	.0	.0	.0	.0	.0	.0	.2	.8	1.3	1.1	.3	.0	.0	.7	1.1	1.6	1.3	.9	.9
100.	.0	.0	.0	.0	.0	.0	.0	.2	.9	1.3	1.0	.4	.1	.0	.7	1.4	1.7	1.2	.9	.9
105.	.0	.0	.0	.0	.0	.0	.0	.1	.8	1.2	1.0	.4	.1	.0	.8	1.5	1.6	1.3	1.0	.9
110.	.0	.0	.0	.0	.0	.0	.0	.1	.9	1.2	1.0	.4	.2	.1	.9	1.6	1.7	1.3	1.0	.8
115.	.0	.0	.0	.0	.0	.0	.0	.1	.9	1.2	.8	.4	.4	.1	.9	1.6	1.7	1.4	1.0	.7
120.	.0	.0	.0	.0	.0	.0	.0	.1	.9	1.2	.7	.5	.4	.2	.9	1.5	1.6	1.4	.9	.8
125.	.0	.0	.1	.1	.0	.0	.0	.1	1.0	1.0	.7	.5	.4	.2	1.0	1.7	1.7	1.4	1.1	.8
130.	.1	.0	.1	.1	.0	.0	.0	.2	1.0	1.0	.6	.5	.4	.2	1.1	1.8	1.7	1.4	.8	.6
135.	.1	.0	.1	.1	.0	.0	.0	.2	1.0	1.0	.6	.4	.4	.3	1.0	1.7	1.7	1.4	.9	.6
140.	.3	.2	.2	.2	.0	.0	.0	.2	1.0	1.0	.6	.6	.5	.3	1.2	1.8	1.6	1.3	.8	.4
145.	.4	.3	.5	.3	.0	.0	.0	.2	1.1	1.0	.6	.7	.6	.4	1.2	1.9	1.5	1.2	.5	.4
150.	.6	.6	.6	.8	.0	.0	.0	.2	1.1	1.0	1.0	.8	.8	.7	1.0	1.7	1.3	1.0	.6	.4
155.	.7	.6	.7	.9	.2	.0	.0	.2	1.1	1.0	1.1	1.4	1.1	.9	1.0	1.4	1.0	.8	.5	.5
160.	.9	.9	1.0	1.3	.2	.0	.0	.2	1.1	1.2	1.6	1.4	1.2	1.3	.6	1.2	.7	.7	.5	.5
165.	1.1	1.1	1.3	1.4	.2	.1	.0	.2	1.1	1.4	1.5	1.3	1.0	1.3	.5	.7	.7	.6	.5	.5
170.	1.0	1.2	1.5	1.5	.4	.2	.0	.2	1.2	1.6	1.5	1.2	1.1	1.0	.5	.7	.5	.4	.5	.4
175.	1.0	1.3	1.4	1.5	.5	.2	.0	.2	1.2	1.5	1.4	1.3	1.4	1.1	.2	.5	.3	.4	.4	.4
180.	1.0	1.1	1.5	1.4	.5	.2	.1	.2	1.3	1.5	1.4	1.3	1.1	1.2	.2	.3	.3	.5	.4	.4
185.	.9	1.0	1.4	1.5	.5	.4	.2	.3	1.6	1.6	1.4	1.2	1.1	1.3	.2	.2	.3	.5	.4	.4
190.	.8	1.2	1.4	1.4	.5	.4	.1	.4	1.5	1.8	1.3	.9	1.1	1.1	.2	.2	.3	.4	.5	.4
195.	.9	1.2	1.3	1.2	.7	.4	.1	.4	1.6	1.8	1.4	1.0	1.3	1.0	.1	.2	.2	.5	.5	.4
200.	.9	1.2	1.3	1.1	.7	.4	.1	.7	1.6	1.8	1.3	1.1	1.3	1.1	.0	.2	.2	.5	.5	.4
205.	.9	1.1	1.3	1.2	.6	.3	.0	.6	1.6	1.8	1.1	1.0	1.2	.9	.0	.2	.2	.6	.5	.5

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JOB: S8 Lombard & President BDPM21 RUN: Site 8 Build PM 2021

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.9	1.1	1.3	1.2	.6	.3	.2	.7	1.7	1.9	1.1	1.0	1.1	.7	.0	.3	.2	.5	.5	.5
215.	.9	1.1	1.2	.9	.6	.4	.3	.6	1.6	1.7	1.0	1.2	1.1	.7	.0	.2	.2	.5	.5	.5
220.	.9	1.1	1.1	.8	.7	.6	.3	.7	1.7	1.6	1.0	1.1	1.1	.7	.0	.1	.3	.6	.6	.6
225.	.9	1.0	1.1	.8	.7	.4	.2	.6	1.8	1.5	1.1	1.1	1.1	.7	.0	.1	.2	.6	.6	.6
230.	1.0	.9	1.1	.9	.8	.5	.3	.7	1.6	1.6	1.2	1.2	1.1	.7	.0	.2	.2	.7	.6	.5
235.	1.0	1.0	1.2	1.0	.9	.8	.4	.7	1.7	1.4	1.3	1.1	.9	.7	.0	.1	.2	.7	.6	.6
240.	.9	1.0	1.2	1.2	1.1	1.0	.5	.7	1.4	1.3	1.2	1.1	.9	.7	.0	.1	.2	.6	.7	.6
245.	1.0	1.0	1.3	1.3	1.1	1.2	.7	.6	1.4	1.2	1.2	1.1	.9	.7	.0	.1	.2	.6	.6	.5
250.	1.0	1.0	1.3	1.3	1.2	1.4	.7	.4	1.2	1.1	1.1	1.1	.8	.7	.0	.1	.2	.6	.6	.6
255.	1.0	.9	1.3	1.3	1.6	1.6	.8	.4	.9	.8	1.1	1.1	.8	.7	.0	.0	.1	.5	.6	.5
260.	1.0	.9	1.2	1.4	1.6	1.7	.7	.2	.7	.7	1.2	1.0	.7	.7	.0	.0	.0	.4	.5	.5
265.	1.0	.9	1.2	1.4	1.7	1.6	.6	.2	.6	.7	.9	1.0	.7	.7	.0	.0	.0	.1	.4	.4
270.	1.0	1.1	1.2	1.4	1.5	1.7	.8	.1	.6	.6	1.1	1.0	.7	.7	.0	.0	.0	.0	.1	.4
275.	1.0	1.1	1.3	1.3	1.6	1.7	.7	.1	.6	.5	1.0	1.0	.7	.7	.0	.0	.0	.0	.1	.1
280.	1.0	1.3	1.4	1.2	1.7	1.6	.6	.1	.5	.5	1.0	.9	.7	.8	.0	.0	.0	.0	.1	.0
285.	1.2	1.5	1.5	1.3	1.6	1.6	.5	.1	.5	.4	1.0	.9	.8	.9	.0	.0	.0	.0	.0	.0
290.	1.2	1.5	1.5	1.4	1.5	1.5	.4	.2	.2	.5	1.0	.9	.8	.8	.0	.0	.0	.0	.0	.0
295.	1.4	1.5	1.5	1.5	1.5	1.3	.4	.1	.2	.4	1.0	.9	.8	.9	.0	.0	.0	.0	.0	.0
300.	1.3	1.3	1.5	1.5	1.5	1.1	.4	.1	.2	.3	1.0	.9	.9	.9	.0	.0	.0	.0	.0	.0

305. *	1.2	1.6	1.4	1.5	1.4	1.2	.3	.1	.2	.3	1.0	.8	.9	1.0	.0	.1	.0	.0	.0	.0
310. *	1.3	1.6	1.4	1.4	1.3	1.2	.2	.1	.2	.4	.9	.9	1.0	.9	.1	.1	.1	.0	.0	.0
315. *	1.4	1.4	1.2	1.3	1.3	1.2	.2	.0	.1	.3	1.1	1.0	1.1	1.1	.1	.1	.1	.0	.0	.0
320. *	1.3	1.4	1.2	1.4	1.2	1.1	.2	.0	.1	.2	.8	1.0	1.1	1.0	.3	.1	.1	.1	.0	.0
325. *	1.1	1.3	1.3	1.2	1.2	1.0	.2	.0	.0	.2	.8	1.0	1.1	.9	.4	.3	.2	.2	.0	.0
330. *	1.0	1.1	1.1	.9	1.2	1.0	.2	.0	.0	.2	.6	.7	.8	.9	.6	.6	.4	.3	.0	.0
335. *	.7	.8	1.0	.9	1.0	1.0	.2	.0	.0	.0	.5	.6	.7	.6	.8	.8	.6	.6	.0	.0
340. *	.4	.6	.6	.8	1.0	1.0	.2	.0	.0	.0	.4	.5	.4	.6	.8	.8	.8	.9	.0	.0
345. *	.4	.5	.6	.7	1.0	1.0	.1	.0	.0	.0	.2	.4	.3	.3	.9	.9	1.1	1.1	.1	.0
350. *	.3	.5	.5	.6	1.0	.9	.1	.0	.0	.0	.1	.2	.3	.2	.9	.9	1.2	1.2	.3	.0
355. *	.1	.4	.6	.6	1.0	.9	.1	.0	.0	.0	.1	.1	.1	.2	.8	.9	1.1	1.4	.2	.1
360. *	.1	.4	.5	.7	1.0	.9	.1	.0	.0	.0	.1	.1	.1	.1	.8	.7	1.3	1.4	.4	.1
MAX *	1.4	1.6	1.5	1.5	1.7	1.7	.8	.7	1.8	1.9	1.6	1.4	1.4	1.3	1.2	1.9	1.7	1.4	1.1	.9
DEGR. *	315	305	170	170	265	260	255	200	225	210	160	155	175	160	140	145	100	85	125	75

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JOB: S8 Lombard & President BDPM21 RUN: Site 8 Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.4	.6	1.0	1.3	1.0	1.0	1.1
5. *	.0	.4	.8	1.1	1.4	.9	1.1	1.1
10. *	.0	.4	.9	1.0	1.3	1.0	1.3	1.0
15. *	.1	.4	.9	1.1	1.2	1.1	1.3	1.0
20. *	.1	.4	.8	1.1	1.0	1.1	1.2	1.1
25. *	.1	.5	.8	1.1	1.0	1.1	1.1	1.0
30. *	.1	.5	1.0	1.1	1.0	1.2	1.0	.9
35. *	.2	.6	1.1	1.0	1.1	1.2	1.0	.8
40. *	.2	.7	1.0	1.2	1.1	1.3	1.0	.9
45. *	.2	.8	.9	.9	1.3	1.3	.8	.8
50. *	.3	.8	1.1	1.0	1.2	1.0	.8	.8
55. *	.3	.9	1.1	.9	1.2	1.0	.8	.8
60. *	.4	1.0	1.1	1.0	1.1	.9	.8	.8
65. *	.5	1.0	.9	.9	1.2	.9	.8	.8
70. *	.7	.8	1.0	.9	1.0	.9	.8	.8
75. *	.7	.7	.7	.7	1.0	.9	.8	.9
80. *	.7	.6	.6	.6	.8	.9	.9	.9
85. *	.6	.4	.6	.5	.8	.8	.9	.8
90. *	.6	.5	.4	.5	.9	.8	.8	.8
95. *	.7	.3	.4	.5	.9	.8	.8	.7
100. *	.7	.3	.4	.5	.9	.9	.8	.7
105. *	.8	.2	.4	.5	.9	.9	1.0	.7
110. *	.6	.1	.3	.5	1.0	.9	1.0	.7
115. *	.6	.1	.4	.4	1.0	1.1	.9	.8
120. *	.6	.1	.4	.4	1.0	1.1	1.0	.8
125. *	.5	.1	.4	.5	1.1	.9	1.0	.8
130. *	.4	.1	.3	.4	1.1	1.1	.9	.7
135. *	.4	.1	.2	.4	1.3	1.0	.9	1.0
140. *	.4	.1	.0	.3	1.1	.9	.8	.9
145. *	.4	.1	.0	.2	.9	.8	.8	.8
150. *	.4	.0	.0	.1	.8	.6	.7	.6
155. *	.4	.0	.0	.0	.6	.6	.6	.5
160. *	.4	.0	.0	.0	.3	.3	.2	.3
165. *	.4	.0	.0	.0	.2	.2	.2	.1
170. *	.5	.0	.0	.0	.2	.1	.1	.1
175. *	.5	.0	.0	.0	.2	.1	.1	.1
180. *	.4	.0	.0	.0	.1	.1	.1	.0
185. *	.4	.0	.0	.0	.1	.0	.0	.0
190. *	.4	.0	.0	.0	.0	.0	.0	.0
195. *	.4	.0	.0	.0	.0	.0	.0	.0
200. *	.5	.0	.1	.0	.0	.0	.0	.0
205. *	.5	.0	.1	.0	.0	.0	.0	.0

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JOB: S8 Lombard & President BDPM21 RUN: Site 8 Build PM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.5	.0	.1	.0	.0	.0	.0	.0
215. *	.5	.0	.1	.0	.0	.0	.0	.0
220. *	.5	.0	.1	.1	.0	.0	.0	.0
225. *	.6	.0	.1	.1	.0	.0	.0	.0
230. *	.6	.0	.1	.1	.0	.0	.0	.0
235. *	.6	.0	.3	.1	.1	.0	.0	.0
240. *	.6	.1	.3	.2	.1	.0	.0	.0
245. *	.7	.2	.4	.4	.1	.0	.0	.0
250. *	.7	.2	.5	.4	.4	.0	.0	.0

255.	*	.6	.5	.7	.6	.4	.0	.0	.0
260.	*	.6	.5	.8	.8	.6	.0	.0	.0
265.	*	.6	.6	.8	.8	.8	.2	.0	.0
270.	*	.5	.6	.9	.8	.6	.3	.0	.0
275.	*	.3	.7	.9	.7	.6	.3	.0	.0
280.	*	.3	.7	.8	.6	.5	.3	.1	.0
285.	*	.2	.7	.6	.5	.5	.3	.2	.0
290.	*	.0	.7	.6	.5	.5	.2	.2	.0
295.	*	.0	.6	.6	.5	.5	.2	.1	.1
300.	*	.0	.7	.6	.5	.5	.3	.1	.1
305.	*	.0	.6	.5	.5	.6	.2	.1	.1
310.	*	.0	.6	.5	.5	.6	.2	.1	.1
315.	*	.0	.6	.5	.5	.7	.3	.3	.2
320.	*	.0	.5	.5	.4	.7	.5	.3	.2
325.	*	.0	.5	.5	.4	.9	.5	.6	.3
330.	*	.0	.5	.5	.4	1.1	.7	.6	.4
335.	*	.0	.5	.5	.5	1.4	.9	.7	.8
340.	*	.0	.5	.5	.5	1.5	1.1	.8	.9
345.	*	.0	.4	.5	.8	1.6	1.1	.8	1.2
350.	*	.0	.4	.5	1.0	1.7	1.1	1.0	1.0
355.	*	.0	.4	.6	1.0	1.6	1.0	1.2	1.0
360.	*	.0	.4	.6	1.0	1.3	1.0	1.0	1.1
MAX	*	.8	1.0	1.1	1.2	1.7	1.3	1.3	1.2
DEGR.	*	105	60	35	40	350	40	10	345

THE HIGHEST CONCENTRATION IS 1.90 PPM AT 210 DEGREES FROM REC10.
THE 2ND HIGHEST CONCENTRATION IS 1.90 PPM AT 145 DEGREES FROM REC16.
THE 3RD HIGHEST CONCENTRATION IS 1.80 PPM AT 225 DEGREES FROM REC9 .

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S8 Lombard & President BDPM35           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1661.     1054.       5.0
SE 164 S                 1607.     1165.       5.0
SE 82 S                  1570.     1238.       5.0
SE CNR                   1534.     1312.       5.0
SE 82 E                  1607.     1350.       5.0
SE 164 E                 1680.     1387.       5.0
SE MID E                 1808.     1440.       5.0
NE MID E                 1762.     1504.       5.0
NE 164  E                1657.     1430.       5.0
NE 82  E                 1583.     1395.       5.0
NE CNR                   1511.     1367.       5.0
NE 82 N                  1473.     1435.       5.0
NE 164 N                 1436.     1510.       5.0
NE MID N                 1378.     1629.       5.0
NW MID N                 1254.     1606.       5.0
NW 164 N                 1319.     1466.       5.0
NW 82 N                  1344.     1387.       5.0
NW CNR                   1366.     1316.       5.0
NW 82 W                  1299.     1289.       5.0
NW 164 W                 1221.     1264.       5.0
NW MID W                 1051.     1231.       5.0
SW MID W                 1046.     1148.       5.0
SW 164 W                 1257.     1201.       5.0
SW 82 W                  1338.     1224.       5.0
SW CNR                   1416.     1244.       5.0
SW 82 S                  1452.     1169.       5.0
SW 164 S                 1487.     1094.       5.0
SW MID S                 1524.     1013.       5.0
Site 8 Build PM 2035                     36  1   0
  1
WB        Lom ap    AG  2349.  1748.  1969.  1554.   1015. 7.8   0  44   30.
  1
WB        Lom ap1   AG  1969.  1554.  1855.  1537.    507. 7.8   0  44   30.
  1
WB        Lom ap1   AG  1855.  1537.  1793.  1506.    507. 7.8   0  44   30.
  1
WB        Lom ap1   AG  1793.  1506.  1719.  1436.    507. 7.8   0  44   30.
  1
WB        Lom ap2   AG  1969.  1554.  1888.  1494.    508. 7.8   0  32   30.
  1
WB        Lom ap2   AG  1888.  1494.  1831.  1463.    508. 7.8   0  32   30.
  1
WB        Lom ap2   AG  1831.  1463.  1719.  1436.    508. 7.8   0  32   30.
  1
WB        Lom ap3   AG  1719.  1436.  1501.  1326.   1015. 7.8   0  56   30.
  2
WB        Lom ap    AG  1535.  1343.  1688.  1421.      0.  36   3
       110        83       2.0 1015   42.1 1542 1 3
  1
WB        Lom dep   AG  1501.  1326.  1347.  1267.   2075. 7.8   0  68   30.
  1
WB        Lom dep   AG  1347.  1267.  1160.  1201.   2075. 7.8   0  68   30.
  1
WB        Lom dep   AG  1160.  1201.  1011.  1183.   2075. 7.8   0  92   30.
  1
WB        Lom dep   AG  1011.  1183.   807.  1176.   2075. 7.8   0  80   30.
  1
WB        Lom dep   AG   807.  1176.   465.  1161.   2075. 7.8   0  80   30.
  1
NB        Pres ap   AG  1934.   426.  1839.   622.   2925. 7.9   0  56   35.
  1
NB        Pres ap   AG  1839.   622.  1721.   844.   2925. 7.9   0  68   35.
  1
NB        Pres ap   AG  1721.   844.  1639.  1016.   2925. 7.9   0  68   35.
  1
NB        Pres thru AG  1639.  1016.  1591.  1125.   2010. 7.9   0  56   35.
  1
NB        Pres thru AG  1591.  1125.  1503.  1304.   2010. 7.9   0  56   35.
  2
NB        Pres ap   AG  1519.  1271.  1579.  1151.      0.  36   3
       110        27       2.0 2010   42.1 1725 1 3
  1
NB        Pres left AG  1639.  1016.  1569.  1111.    915. 7.9   0  44   35.
  1
NB        Pres left AG  1569.  1111.  1480.  1294.    915. 7.9   0  44   35.
  2
NB        Pres left AG  1498.  1258.  1556.  1138.      0.  24   2
       110        77       2.0  915   42.1 1687 1 3
  1
NB        Pres dep  AG  1503.  1304.  1326.  1668.   2150. 7.9   0  56   35.
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  1
NB        Pres dep  AG  1326.  1668.  1181.  1944.   2150. 7.9   0  68   35.
  1
NB        Pres dep  AG  1181.  1944.  1024.  2203.   2150. 7.9   0  68   35.
  1
SB        Pres ap   AG   950.  2164.  1048.  2012.   1800. 7.9   0  56   35.
  1
SB        Pres ap   AG  1048.  2012.  1181.  1795.   1800. 7.9   0  56   35.
  1
SB        Pres ap   AG  1181.  1795.  1272.  1632.   1800. 7.9   0  56   35.
  1
SB        Pres ap   AG  1272.  1632.  1347.  1477.   1800. 7.9   0  56   35.
  1
SB        Pres ap   AG  1347.  1477.  1412.  1304.   1800. 7.9   0  68   35.
  2
SB        Pres ap   AG  1398.  1342.  1351.  1464.      0.  48   4
       110        58       2.0 1800   42.1 1476 1 3
  1
SB        Pres dep  AG  1412.  1304.  1468.  1205.   1515. 7.9   0  56   35.
  1
SB        Pres dep  AG  1468.  1205.  1648.   829.   1515. 7.9   0  56   35.
  1
SB        Pres dep  AG  1648.   829.  1773.   581.   1515. 7.9   0  56   35.
  1
SB        Pres dep  AG  1773.   581.  1867.   393.   1515. 7.9   0  56   35.
1.0   04  1000   0Y  5  0 72
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JOB: S8 Lombard & President BDPM35 RUN: Site 8 Build PM 2035
DATE: 09/18/2012 TIME: 10:02:38.60

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom ap	2349.0	1748.0	1969.0	1554.0	427.	243.	AG	1015.	7.8	.0	44.0		
2. WB	Lom ap1	1969.0	1554.0	1855.0	1537.0	115.	262.	AG	507.	7.8	.0	44.0		
3. WB	Lom ap1	1855.0	1537.0	1793.0	1506.0	69.	243.	AG	507.	7.8	.0	44.0		
4. WB	Lom ap1	1793.0	1506.0	1719.0	1436.0	102.	227.	AG	507.	7.8	.0	44.0		
5. WB	Lom ap2	1969.0	1554.0	1888.0	1494.0	101.	233.	AG	508.	7.8	.0	32.0		
6. WB	Lom ap2	1888.0	1494.0	1831.0	1463.0	65.	241.	AG	508.	7.8	.0	32.0		
7. WB	Lom ap2	1831.0	1463.0	1719.0	1436.0	115.	256.	AG	508.	7.8	.0	32.0		
8. WB	Lom ap3	1719.0	1436.0	1501.0	1326.0	244.	243.	AG	1015.	7.8	.0	56.0		
9. WB	Lom ap	1535.0	1343.0	1893.7	1525.9	403.	63.	AG	256.	100.0	.0	36.0	1.05	20.5
10. WB	Lom dep	1501.0	1326.0	1347.0	1267.0	165.	249.	AG	2075.	7.8	.0	68.0		
11. WB	Lom dep	1347.0	1267.0	1160.0	1201.0	198.	251.	AG	2075.	7.8	.0	68.0		
12. WB	Lom dep	1160.0	1201.0	1011.0	1183.0	150.	263.	AG	2075.	7.8	.0	92.0		
13. WB	Lom dep	1011.0	1183.0	807.0	1176.0	204.	268.	AG	2075.	7.8	.0	80.0		
14. WB	Lom dep	807.0	1176.0	465.0	1161.0	342.	267.	AG	2075.	7.8	.0	80.0		
15. NB	Pres ap	1934.0	426.0	1839.0	622.0	218.	334.	AG	2925.	7.9	.0	56.0		
16. NB	Pres ap	1839.0	622.0	1721.0	844.0	251.	332.	AG	2925.	7.9	.0	68.0		
17. NB	Pres ap	1721.0	844.0	1639.0	1016.0	191.	335.	AG	2925.	7.9	.0	68.0		
18. NB	Pres thru	1639.0	1016.0	1591.0	1125.0	119.	336.	AG	2010.	7.9	.0	56.0		
19. NB	Pres thru	1591.0	1125.0	1503.0	1304.0	199.	334.	AG	2010.	7.9	.0	56.0		
20. NB	Pres ap	1519.0	1271.0	1563.2	1182.5	99.	153.	AG	83.	100.0	.0	36.0	.54	5.0
21. NB	Pres left	1639.0	1016.0	1569.0	1111.0	118.	324.	AG	915.	7.9	.0	44.0		
22. NB	Pres left	1569.0	1111.0	1480.0	1294.0	203.	334.	AG	915.	7.9	.0	44.0		
23. NB	Pres left	1498.0	1258.0	1683.3	874.5	426.	154.	AG	158.	100.0	.0	24.0	1.03	21.6
24. NB	Pres dep	1503.0	1304.0	1326.0	1668.0	405.	334.	AG	2150.	7.9	.0	56.0		
25. NB	Pres dep	1326.0	1668.0	1181.0	1944.0	312.	332.	AG	2150.	7.9	.0	68.0		
26. NB	Pres dep	1181.0	1944.0	1024.0	2203.0	303.	329.	AG	2150.	7.9	.0	68.0		
27. SB	Pres ap	950.0	2164.0	1048.0	2012.0	181.	147.	AG	1800.	7.9	.0	56.0		
28. SB	Pres ap	1048.0	2012.0	1181.0	1795.0	255.	148.	AG	1800.	7.9	.0	56.0		
29. SB	Pres ap	1181.0	1795.0	1272.0	1632.0	187.	151.	AG	1800.	7.9	.0	56.0		
30. SB	Pres ap	1272.0	1632.0	1347.0	1477.0	172.	154.	AG	1800.	7.9	.0	56.0		
31. SB	Pres ap	1347.0	1477.0	1412.0	1304.0	185.	159.	AG	1800.	7.9	.0	68.0		
32. SB	Pres ap	1398.0	1342.0	1346.7	1475.2	143.	339.	AG	238.	100.0	.0	48.0	.70	7.3
33. SB	Pres dep	1412.0	1304.0	1468.0	1205.0	114.	151.	AG	1515.	7.9	.0	56.0		
34. SB	Pres dep	1468.0	1205.0	1648.0	829.0	417.	154.	AG	1515.	7.9	.0	56.0		
35. SB	Pres dep	1648.0	829.0	1773.0	581.0	278.	153.	AG	1515.	7.9	.0	56.0		
36. SB	Pres dep	1773.0	581.0	1867.0	393.0	210.	153.	AG	1515.	7.9	.0	56.0		

JOB: S8 Lombard & President BDPM35 RUN: Site 8 Build PM 2035
DATE: 09/18/2012 TIME: 10:02:38.60

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
9. WB	Lom ap	110	83	2.0	1015	1542	42.10	1	3
20. NB	Pres ap	110	27	2.0	2010	1725	42.10	1	3
23. NB	Pres left	110	77	2.0	915	1687	42.10	1	3
32. SB	Pres ap	110	58	2.0	1800	1476	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1661.0	1054.0	5.0
2. SE 164 S	1607.0	1165.0	5.0
3. SE 82 S	1570.0	1238.0	5.0
4. SE CNR	1534.0	1312.0	5.0
5. SE 82 E	1607.0	1350.0	5.0
6. SE 164 E	1680.0	1387.0	5.0
7. SE MID E	1808.0	1440.0	5.0
8. NE MID E	1762.0	1504.0	5.0
9. NE 164 E	1657.0	1430.0	5.0
10. NE 82 E	1583.0	1395.0	5.0
11. NE CNR	1511.0	1367.0	5.0
12. NE 82 N	1473.0	1435.0	5.0
13. NE 164 N	1436.0	1510.0	5.0
14. NE MID N	1378.0	1629.0	5.0
15. NW MID N	1254.0	1606.0	5.0
16. NW 164 N	1319.0	1466.0	5.0
17. NW 82 N	1344.0	1387.0	5.0
18. NW CNR	1366.0	1316.0	5.0
19. NW 82 W	1299.0	1289.0	5.0
20. NW 164 W	1221.0	1264.0	5.0

21. NW MID W	*	1051.0	1231.0	5.0	*
22. SW MID W	*	1046.0	1148.0	5.0	*
23. SW 164 W	*	1257.0	1201.0	5.0	*
24. SW 82 W	*	1338.0	1224.0	5.0	*
25. SW CNR	*	1416.0	1244.0	5.0	*
26. SW 82 S	*	1452.0	1169.0	5.0	*
27. SW 164 S	*	1487.0	1094.0	5.0	*
28. SW MID S	*	1524.0	1013.0	5.0	*

1

JOB: S8 Lombard & President BDPM35 RUN: Site 8 Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.4	.5	.8	1.0	1.0	.8	.0	.0	.0	.1	.1	.1	.1	1.0	1.0	1.5	1.5	.5	.2
5.	.2	.3	.4	.7	1.1	1.0	.9	.0	.0	.0	.0	.1	.1	.1	.9	.8	1.5	1.4	.5	.2
10.	.1	.3	.4	.8	1.1	1.1	.9	.0	.0	.0	.0	.1	.1	.1	.9	.9	1.4	1.3	.6	.3
15.	.1	.3	.4	.9	1.2	1.2	.9	.0	.0	.0	.0	.1	.1	.1	.9	.9	1.4	1.3	.5	.3
20.	.1	.2	.4	.9	1.2	1.2	.8	.0	.1	.0	.0	.0	.1	.1	.8	.9	1.5	1.3	.7	.3
25.	.1	.2	.4	1.0	1.2	1.2	.8	.0	.1	.0	.0	.0	.0	.0	.8	.8	1.3	1.2	.7	.4
30.	.1	.2	.4	1.1	1.3	1.3	.8	.0	.2	.1	.0	.0	.0	.0	.7	.9	1.3	1.1	.7	.4
35.	.0	.2	.4	1.2	1.3	1.3	.8	.0	.2	.2	.0	.0	.0	.0	.8	.9	1.3	1.1	.7	.3
40.	.0	.1	.4	1.2	1.4	1.4	.8	.1	.3	.2	.1	.0	.0	.0	.8	.9	1.3	1.0	.7	.4
45.	.0	.1	.3	1.4	1.4	1.4	.8	.1	.3	.3	.2	.0	.0	.0	.7	.9	1.3	1.1	.7	.4
50.	.0	.1	.2	1.3	1.3	1.4	.7	.2	.5	.4	.3	.0	.0	.0	.7	.8	1.3	1.1	.8	.5
55.	.0	.0	.1	1.2	1.2	1.3	.6	.3	.7	.7	.4	.0	.0	.0	.8	.9	1.3	1.1	.8	.6
60.	.0	.0	.1	1.1	1.1	1.1	.5	.4	1.0	.9	.7	.0	.0	.0	.7	.9	1.3	1.3	1.0	.6
65.	.0	.0	.1	.9	.8	.8	.4	.5	1.3	1.2	.8	.1	.0	.0	.7	1.1	1.4	1.3	1.1	.7
70.	.0	.0	.0	.7	.6	.5	.4	.6	1.6	1.3	1.1	.1	.0	.0	.7	1.1	1.5	1.4	1.1	.9
75.	.0	.0	.0	.4	.4	.4	.1	.6	1.6	1.4	1.1	.2	.0	.0	.7	1.3	1.5	1.5	1.2	1.0
80.	.0	.0	.0	.3	.3	.3	.1	.7	1.6	1.5	1.2	.2	.1	.0	.7	1.3	1.6	1.4	1.2	1.0
85.	.0	.0	.0	.2	.2	.2	.0	.7	1.5	1.4	1.2	.4	.1	.0	.7	1.3	1.6	1.5	1.2	1.0
90.	.0	.0	.0	.1	.2	.0	.0	.8	1.5	1.4	1.1	.4	.1	.0	.8	1.5	1.5	1.4	1.1	1.0
95.	.0	.0	.0	.0	.0	.0	.0	.8	1.4	1.3	1.1	.4	.2	.1	.9	1.6	1.6	1.3	1.0	.9
100.	.0	.0	.0	.0	.0	.0	.0	.9	1.4	1.3	1.0	.4	.2	.1	.9	1.7	1.7	1.4	1.0	.9
105.	.0	.0	.0	.0	.0	.0	.0	.8	1.3	1.3	1.0	.4	.2	.1	.9	1.8	1.6	1.4	1.0	1.0
110.	.0	.0	.0	.0	.0	.0	.0	.8	1.3	1.2	.9	.4	.4	.2	.9	1.8	1.8	1.3	1.1	.9
115.	.0	.0	.0	.0	.0	.0	.0	.7	1.2	1.2	.9	.5	.4	.2	1.0	1.8	1.7	1.4	1.0	.7
120.	.0	.0	.0	.0	.0	.0	.0	.7	1.2	1.1	.8	.5	.4	.2	1.0	1.8	1.7	1.3	.9	.8
125.	.0	.0	.1	.1	.0	.0	.0	.7	1.1	1.1	.7	.5	.4	.2	1.1	1.8	1.8	1.6	1.1	.8
130.	.1	.0	.1	.1	.0	.0	.0	.8	1.1	1.0	.6	.5	.4	.2	1.2	1.9	1.8	1.6	.8	.9
135.	.1	.0	.1	.1	.0	.0	.0	.8	1.1	1.0	.7	.4	.4	.3	1.1	1.8	1.7	1.5	.9	.6
140.	.3	.2	.3	.2	.0	.0	.0	.8	1.1	1.1	.6	.6	.5	.4	1.4	2.1	1.6	1.6	.9	.5
145.	.4	.3	.5	.5	.0	.0	.0	.8	1.1	1.1	.8	.7	.7	.5	1.3	2.1	1.6	1.2	.8	.4
150.	.7	.7	.7	.8	.0	.0	.0	.8	1.2	1.1	1.1	.8	.8	.8	1.2	1.8	1.4	1.3	.6	.5
155.	.8	.8	.7	1.1	.2	.0	.0	.8	1.2	1.3	1.4	1.4	1.1	.9	1.1	1.5	1.0	.9	.5	.5
160.	1.1	1.1	1.3	1.3	.2	.0	.0	.8	1.1	1.4	1.6	1.6	1.1	1.3	.6	1.4	.9	.7	.5	.5
165.	1.2	1.2	1.5	1.5	.4	.1	.0	.8	1.2	1.6	1.5	1.4	1.1	1.4	.5	1.1	.7	.7	.5	.5
170.	1.3	1.4	1.6	1.5	.6	.2	.0	.8	1.3	1.6	1.7	1.3	1.2	1.3	.5	.7	.5	.5	.5	.5
175.	1.3	1.5	1.5	1.6	.6	.3	.0	.8	1.4	1.5	1.5	1.3	1.4	1.2	.2	.6	.3	.4	.5	.4
180.	1.2	1.3	1.6	1.4	.5	.3	.1	1.1	1.4	1.8	1.4	1.3	1.2	1.2	.2	.4	.3	.5	.5	.4
185.	1.2	1.3	1.5	1.5	.6	.4	.2	1.0	1.7	1.8	1.7	1.2	1.1	1.3	.2	.3	.3	.5	.5	.4
190.	1.3	1.2	1.5	1.5	.6	.4	.2	1.1	1.6	1.8	1.4	1.1	1.2	1.2	.2	.3	.4	.6	.5	.4
195.	1.3	1.2	1.4	1.4	.7	.4	.2	1.3	1.5	1.8	1.4	1.0	1.2	1.1	.1	.2	.3	.5	.5	.5
200.	1.3	1.2	1.3	1.1	.7	.4	.2	1.3	1.6	1.8	1.3	1.0	1.3	1.1	.2	.2	.2	.5	.5	.5
205.	1.2	1.1	1.3	1.2	.6	.3	.3	1.4	1.6	1.8	1.1	1.1	1.3	1.1	.1	.2	.2	.6	.5	.6

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JOB: S8 Lombard & President BDPM35 RUN: Site 8 Build PM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.3	1.2	1.4	1.2	.6	.3	.2	1.3	1.7	1.9	1.2	1.2	1.2	.8	.0	.3	.2	.6	.5	.5
215.	1.2	1.3	1.4	1.0	.6	.4	.3	1.2	1.8	1.7	1.1	1.1	1.1	.7	.0	.3	.2	.5	.6	.5
220.	1.1	1.2	1.4	.9	.7	.6	.3	1.1	1.8	1.5	1.1	1.1	1.1	.7	.0	.1	.3	.6	.6	.6
225.	1.1	1.0	1.3	.8	.7	.6	.4	1.1	1.8	1.5	1.2	1.1	1.1	.7	.0	.1	.3	.6	.7	.6
230.	1.2	1.1	1.3	.9	.8	.6	.3	1.1	1.8	1.6	1.4	1.2	1.1	.7	.0	.2	.2	.7	.6	.6
235.	1.2	1.1	1.2	1.2	.9	.8	.4	.9	1.8	1.4	1.3	1.2	1.0	.7	.1	.1	.3	.7	.6	.6
240.	1.2	1.1	1.2	1.3	1.1	1.1	.6	.8	1.4	1.4	1.3	1.2	1.1	.8	.0	.1	.3	.6	.7	.6
245.	1.2	1.1	1.3	1.5	1.1	1.3	.9	.8	1.4	1.2	1.4	1.2	1.0	.8	.0	.1	.2	.6	.6	.5
250.	1.2	1.1	1.3	1.3	1.2	1.4	.9	.6	1.3	1.1	1.3	1.0	.9	.7	.0	.1	.2	.6	.7	.6
255.	1.2	1.1	1.4	1.5	1.6	1.6	1.0	.4	1.0	.8	1.1	1.0	.8	.7	.0	.0	.1	.5	.6	.5
260.	1.1	1.1	1.3	1.4	1.6	1.8	1.2	.4	.9	.7	1.2	1.0	.9	.8	.0	.0	.0	.4	.5	.5
265.	1.1	1.1	1.3	1.4	1.7	1.6	1.4	.2	.6	.7	1.0	1.0	.8	.7	.0	.0	.0	.1	.4	.4
270.	1.1	1.2	1.3	1.5	1.5	1.7	1.4	.1	.6	.6	1.0	1.0	.7	.7	.0	.0	.0	.0	.1	.4
275.	1.2	1.1	1.3	1.4	1.6	1.6	1.4	.1	.6	.6	1.0	1.0	.7	.7	.0	.0	.0	.0	.1	.1
280.	1.2	1.3	1.4	1.3	1.6	1.6	1.3	.1	.7	.5	1.0	1.1	.8	.8	.0	.0	.0	.0	.1	.0
285.	1.3	1.5	1.4	1.5	1.5	1.6	1.1	.1	.5	.6	1.1	1.0	.8	.9	.0	.0	.0	.0	.1	.0
290.	1.3	1.5	1.5	1.5	1.6	1.6	1.1	.2	.3	.6	1.1	1.0	.8	.8	.0	.0	.0	.0	.0	.0
295.	1.5	1.6	1.5	1.5	1.7	1.4	1.1	.1	.2	.6	1.1	.9	.9	.9	.0	.0	.0	.0	.0	.0
300.	1.3	1.4	1.5	1.5	1.7	1.3	1.1	.1	.2	.4	1.0	1.1	1.0	1.0	.0	.1	.0	.0	.0	.0

305. *	1.3	1.6	1.5	1.6	1.5	1.3	1.0	.1	.2	.3	1.1	1.0	1.1	1.1	.1	.1	.1	.0	.0	.0
310. *	1.4	1.6	1.3	1.5	1.4	1.2	1.0	.1	.2	.4	1.0	.9	1.0	1.0	.1	.1	.1	.0	.0	.0
315. *	1.6	1.6	1.4	1.4	1.3	1.2	.8	.0	.1	.3	1.2	1.0	1.1	1.1	.1	.1	.1	.1	.0	.0
320. *	1.3	1.5	1.3	1.4	1.3	1.1	.8	.0	.1	.2	1.1	1.0	1.2	1.1	.3	.3	.1	.1	.0	.0
325. *	1.2	1.3	1.5	1.4	1.3	1.2	.8	.0	.1	.2	.9	1.0	1.1	1.0	.4	.4	.3	.2	.0	.0
330. *	1.0	1.2	1.1	1.1	1.3	1.1	.8	.0	.0	.2	.8	.9	1.0	.9	.7	.6	.5	.3	.0	.0
335. *	.7	1.0	1.0	1.0	1.1	1.1	.8	.0	.0	.1	.5	.6	.8	.6	.8	.8	.8	.7	.0	.0
340. *	.5	.8	.7	.9	1.1	1.1	.8	.0	.0	.0	.4	.5	.5	.6	.9	.9	1.1	1.0	.0	.0
345. *	.4	.5	.6	.7	1.0	1.0	.7	.0	.0	.0	.2	.4	.4	.3	1.0	1.1	1.1	1.1	.3	.0
350. *	.3	.5	.5	.6	1.0	1.0	.7	.0	.0	.0	.1	.2	.3	.2	1.0	1.0	1.2	1.2	.3	.0
355. *	.1	.4	.6	.6	1.0	1.0	.7	.0	.0	.0	.1	.1	.1	.2	1.1	1.0	1.4	1.4	.4	.1
360. *	.1	.4	.5	.8	1.0	1.0	.8	.0	.0	.0	.1	.1	.1	.1	1.0	1.0	1.5	1.5	.5	.2
MAX *	1.6	1.6	1.6	1.6	1.7	1.8	1.4	1.4	1.8	1.9	1.7	1.6	1.4	1.4	1.4	2.1	1.8	1.6	1.2	1.0
DEGR. *	315	295	180	175	265	260	265	205	215	210	170	160	175	165	140	140	125	130	75	75

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JOB: S8 Lombard & President BDPM35 RUN: Site 8 Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.5	.7	1.0	1.6	1.1	1.1	1.2
5. *	.0	.5	.8	1.1	1.5	1.0	1.1	1.2
10. *	.0	.4	1.0	1.1	1.4	1.2	1.3	1.0
15. *	.1	.5	.9	1.2	1.3	1.1	1.3	1.0
20. *	.1	.6	.9	1.1	1.2	1.1	1.3	1.1
25. *	.1	.5	.8	1.1	1.1	1.3	1.3	1.1
30. *	.1	.5	1.1	1.1	1.1	1.4	1.3	1.0
35. *	.2	.6	1.1	1.1	1.2	1.2	1.2	1.0
40. *	.3	.8	1.0	1.2	1.3	1.4	1.2	1.0
45. *	.2	.8	1.2	.9	1.5	1.4	.9	.8
50. *	.3	.9	1.1	1.1	1.5	1.2	1.0	.8
55. *	.4	1.1	1.2	1.1	1.4	1.2	1.0	.9
60. *	.5	1.2	1.2	1.2	1.3	1.1	.9	.9
65. *	.6	1.0	1.1	1.1	1.4	1.1	1.0	.9
70. *	.8	.8	1.0	1.1	1.2	1.0	.9	.9
75. *	.8	.8	.7	.8	1.1	1.0	1.0	1.0
80. *	.7	.7	.7	.7	1.0	1.0	1.0	.9
85. *	.7	.4	.6	.5	.9	.9	.9	.8
90. *	.6	.5	.5	.6	1.0	.9	.9	1.0
95. *	.7	.4	.4	.5	1.0	.9	.9	.9
100. *	.7	.4	.4	.5	1.0	1.0	1.0	.9
105. *	.8	.3	.4	.5	1.1	.9	1.0	.9
110. *	.7	.2	.3	.5	1.1	.9	1.0	.9
115. *	.8	.1	.4	.5	1.2	1.2	1.0	1.0
120. *	.7	.1	.4	.6	1.2	1.2	1.1	1.1
125. *	.5	.1	.5	.5	1.2	1.0	1.2	1.1
130. *	.5	.1	.4	.5	1.1	1.1	1.1	.9
135. *	.5	.1	.2	.5	1.3	1.2	1.0	1.2
140. *	.4	.1	.0	.4	1.1	1.1	1.0	1.1
145. *	.4	.1	.0	.3	1.1	.8	1.0	.8
150. *	.4	.0	.0	.1	.8	.9	.8	.8
155. *	.4	.0	.0	.0	.8	.8	.7	.5
160. *	.4	.0	.0	.0	.4	.3	.4	.3
165. *	.4	.0	.0	.0	.3	.2	.2	.3
170. *	.5	.0	.0	.0	.2	.2	.1	.1
175. *	.5	.0	.0	.0	.2	.1	.1	.1
180. *	.5	.0	.0	.0	.1	.1	.1	.1
185. *	.4	.0	.0	.0	.1	.1	.0	.0
190. *	.4	.0	.0	.0	.1	.0	.0	.0
195. *	.4	.0	.1	.0	.1	.0	.0	.0
200. *	.5	.0	.1	.0	.0	.0	.0	.0
205. *	.5	.0	.1	.0	.0	.0	.0	.0

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JOB: S8 Lombard & President BDPM35 RUN: Site 8 Build PM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.6	.0	.1	.0	.0	.0	.0	.0
215. *	.5	.0	.1	.0	.0	.0	.0	.0
220. *	.5	.0	.1	.1	.0	.0	.0	.0
225. *	.6	.0	.1	.1	.0	.0	.0	.0
230. *	.6	.0	.1	.1	.0	.0	.0	.0
235. *	.6	.0	.3	.1	.1	.0	.0	.0
240. *	.7	.1	.3	.2	.1	.0	.0	.0
245. *	.8	.2	.4	.4	.1	.0	.0	.0
250. *	.7	.2	.6	.4	.4	.0	.0	.0

255.	*	.7	.5	.7	.6	.6	.0	.0	.0
260.	*	.6	.5	.8	.8	.6	.0	.0	.0
265.	*	.6	.6	.9	.8	.8	.2	.0	.0
270.	*	.5	.7	.9	.9	.7	.3	.0	.0
275.	*	.4	.8	.9	.8	.6	.3	.0	.0
280.	*	.3	.7	.8	.7	.5	.3	.2	.0
285.	*	.2	.7	.6	.6	.6	.3	.2	.0
290.	*	.0	.7	.6	.5	.6	.2	.2	.0
295.	*	.0	.6	.6	.5	.6	.2	.1	.1
300.	*	.0	.7	.6	.5	.5	.3	.1	.1
305.	*	.0	.6	.5	.5	.6	.2	.1	.1
310.	*	.0	.6	.5	.5	.7	.2	.2	.2
315.	*	.0	.6	.5	.5	.7	.3	.3	.2
320.	*	.0	.5	.5	.5	.7	.5	.3	.2
325.	*	.0	.5	.5	.4	.9	.5	.6	.4
330.	*	.0	.5	.5	.5	1.1	.7	.7	.7
335.	*	.0	.5	.5	.5	1.6	1.1	.8	.8
340.	*	.0	.5	.5	.5	1.6	1.3	.9	.9
345.	*	.0	.4	.5	.8	1.7	1.4	1.0	1.2
350.	*	.0	.4	.5	1.0	1.7	1.1	1.1	1.1
355.	*	.0	.5	.6	1.0	1.7	1.0	1.3	1.1
360.	*	.0	.5	.7	1.0	1.6	1.1	1.1	1.2
MAX	*	.8	1.2	1.2	1.2	1.7	1.4	1.3	1.2
DEGR.	*	70	60	45	60	345	30	10	0

THE HIGHEST CONCENTRATION IS 2.10 PPM AT 140 DEGREES FROM REC16.
THE 2ND HIGHEST CONCENTRATION IS 1.90 PPM AT 210 DEGREES FROM REC10.
THE 3RD HIGHEST CONCENTRATION IS 1.80 PPM AT 260 DEGREES FROM REC6 .

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S8 Lombard & President EXAM             60.0321.0.0000.000280.30480000    1    1
SE MID S                 1661.     1054.       5.0
SE 164 S                 1607.     1165.       5.0
SE 82 S                  1570.     1238.       5.0
SE CNR                   1534.     1312.       5.0
SE 82 E                  1607.     1350.       5.0
SE 164 E                 1680.     1387.       5.0
SE MID E                 1808.     1440.       5.0
NE MID E                 1762.     1504.       5.0
NE 164  E                1657.     1430.       5.0
NE 82  E                 1583.     1395.       5.0
NE CNR                   1511.     1367.       5.0
NE 82 N                  1473.     1435.       5.0
NE 164 N                 1436.     1510.       5.0
NE MID N                 1378.     1629.       5.0
NW MID N                 1254.     1606.       5.0
NW 164 N                 1319.     1466.       5.0
NW 82 N                  1344.     1387.       5.0
NW CNR                   1366.     1316.       5.0
NW 82 W                  1299.     1289.       5.0
NW 164 W                 1221.     1264.       5.0
NW MID W                 1051.     1231.       5.0
SW MID W                 1046.     1148.       5.0
SW 164 W                 1257.     1201.       5.0
SW 82 W                  1338.     1224.       5.0
SW CNR                   1416.     1244.       5.0
SW 82 S                  1452.     1169.       5.0
SW 164 S                 1487.     1094.       5.0
SW MID S                 1524.     1013.       5.0
Site 8 Existing AM                      36  1   0
  1
WB        Lom ap    AG  2349.  1748.  1969.  1554.    670.10.0   0  44   30.
  1
WB        Lom ap1   AG  1969.  1554.  1855.  1537.    335.10.0   0  44   30.
  1
WB        Lom ap1   AG  1855.  1537.  1793.  1506.    335.10.0   0  44   30.
  1
WB        Lom ap1   AG  1793.  1506.  1719.  1436.    335.10.0   0  44   30.
  1
WB        Lom ap2   AG  1969.  1554.  1888.  1494.    335.10.0   0  32   30.
  1
WB        Lom ap2   AG  1888.  1494.  1831.  1463.    335.10.0   0  32   30.
  1
WB        Lom ap2   AG  1831.  1463.  1719.  1436.    335.10.0   0  32   30.
  1
WB        Lom ap3   AG  1719.  1436.  1501.  1326.    670.10.0   0  56   30.
  2
WB        Lom ap    AG  1535.  1343.  1688.  1421.      0.  36   3
       140       100       2.0  670   56.4 1381 1 3
  1
WB        Lom dep   AG  1501.  1326.  1347.  1267.   1900.10.0   0  68   30.
  1
WB        Lom dep   AG  1347.  1267.  1160.  1201.   1900.10.0   0  68   30.
  1
WB        Lom dep   AG  1160.  1201.  1011.  1183.   1900.10.0   0  92   30.
  1
WB        Lom dep   AG  1011.  1183.   807.  1176.   1900.10.0   0  80   30.
  1
WB        Lom dep   AG   807.  1176.   465.  1161.   1900.10.0   0  80   30.
  1
NB        Pres ap   AG  1934.   426.  1839.   622.   2225.10.0   0  56   35.
  1
NB        Pres ap   AG  1839.   622.  1721.   844.   2225.10.0   0  68   35.
  1
NB        Pres ap   AG  1721.   844.  1639.  1016.   2225.10.0   0  68   35.
  1
NB        Pres thru AG  1639.  1016.  1591.  1125.   1535.10.0   0  56   35.
  1
NB        Pres thru AG  1591.  1125.  1503.  1304.   1535.10.0   0  56   35.
  2
NB        Pres ap   AG  1519.  1271.  1579.  1151.      0.  36   3
       140        40       2.0 1535   56.4 1552 1 3
  1
NB        Pres left AG  1639.  1016.  1569.  1111.    690.10.0   0  44   35.
  1
NB        Pres left AG  1569.  1111.  1480.  1294.    690.10.0   0  44   35.
  2
NB        Pres left AG  1498.  1258.  1556.  1138.      0.  24   2
       140       100       2.0  690   56.4 1572 1 3
  1
NB        Pres dep  AG  1503.  1304.  1326.  1668.   1650.10.0   0  56   35.
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  1
NB        Pres dep  AG  1326.  1668.  1181.  1944.   1650.10.0   0  68   35.
  1
NB        Pres dep  AG  1181.  1944.  1024.  2203.   1650.10.0   0  68   35.
  1
SB        Pres ap   AG   950.  2164.  1048.  2012.   1605.10.0   0  56   35.
  1
SB        Pres ap   AG  1048.  2012.  1181.  1795.   1605.10.0   0  56   35.
  1
SB        Pres ap   AG  1181.  1795.  1272.  1632.   1605.10.0   0  56   35.
  1
SB        Pres ap   AG  1272.  1632.  1347.  1477.   1605.10.0   0  56   35.
  1
SB        Pres ap   AG  1347.  1477.  1412.  1304.   1605.10.0   0  68   35.
  2
SB        Pres ap   AG  1398.  1342.  1351.  1464.      0.  48   4
       140        80       2.0 1605   56.4 1376 1 3
  1
SB        Pres dep  AG  1412.  1304.  1468.  1205.    950.10.0   0  56   35.
  1
SB        Pres dep  AG  1468.  1205.  1648.   829.    950.10.0   0  56   35.
  1
SB        Pres dep  AG  1648.   829.  1773.   581.    950.10.0   0  56   35.
  1
SB        Pres dep  AG  1773.   581.  1867.   393.    950.10.0   0  56   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S8 Lombard & President EXAM RUN: Site 8 Existing AM
DATE: 08/31/2012 TIME: 11:25:12.77

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom ap	*	2349.0	1748.0	1969.0	1554.0	*	427.	243.	AG	670.	10.0	.0	44.0		
2. WB	Lom ap1	*	1969.0	1554.0	1855.0	1537.0	*	115.	262.	AG	335.	10.0	.0	44.0		
3. WB	Lom ap1	*	1855.0	1537.0	1793.0	1506.0	*	69.	243.	AG	335.	10.0	.0	44.0		
4. WB	Lom ap1	*	1793.0	1506.0	1719.0	1436.0	*	102.	227.	AG	335.	10.0	.0	44.0		
5. WB	Lom ap2	*	1969.0	1554.0	1888.0	1494.0	*	101.	233.	AG	335.	10.0	.0	32.0		
6. WB	Lom ap2	*	1888.0	1494.0	1831.0	1463.0	*	65.	241.	AG	335.	10.0	.0	32.0		
7. WB	Lom ap2	*	1831.0	1463.0	1719.0	1436.0	*	115.	256.	AG	335.	10.0	.0	32.0		
8. WB	Lom ap3	*	1719.0	1436.0	1501.0	1326.0	*	244.	243.	AG	670.	10.0	.0	56.0		
9. WB	Lom ap	*	1535.0	1343.0	1643.6	1398.4	*	122.	63.	AG	324.	100.0	.0	36.0	.63	6.2
10. WB	Lom dep	*	1501.0	1326.0	1347.0	1267.0	*	165.	249.	AG	1900.	10.0	.0	68.0		
11. WB	Lom dep	*	1347.0	1267.0	1160.0	1201.0	*	198.	251.	AG	1900.	10.0	.0	68.0		
12. WB	Lom dep	*	1160.0	1201.0	1011.0	1183.0	*	150.	263.	AG	1900.	10.0	.0	92.0		
13. WB	Lom dep	*	1011.0	1183.0	807.0	1176.0	*	204.	268.	AG	1900.	10.0	.0	80.0		
14. WB	Lom dep	*	807.0	1176.0	465.0	1161.0	*	342.	267.	AG	1900.	10.0	.0	80.0		
15. NB	Pres ap	*	1934.0	426.0	1839.0	622.0	*	218.	334.	AG	2225.	10.0	.0	56.0		
16. NB	Pres ap	*	1839.0	622.0	1721.0	844.0	*	251.	332.	AG	2225.	10.0	.0	68.0		
17. NB	Pres ap	*	1721.0	844.0	1639.0	1016.0	*	191.	335.	AG	2225.	10.0	.0	68.0		
18. NB	Pres thru	*	1639.0	1016.0	1591.0	1125.0	*	119.	336.	AG	1535.	10.0	.0	56.0		
19. NB	Pres thru	*	1591.0	1125.0	1503.0	1304.0	*	199.	334.	AG	1535.	10.0	.0	56.0		
20. NB	Pres ap	*	1519.0	1271.0	1569.0	1171.0	*	112.	153.	AG	130.	100.0	.0	36.0	.48	5.7
21. NB	Pres left	*	1639.0	1016.0	1569.0	1111.0	*	118.	324.	AG	690.	10.0	.0	44.0		
22. NB	Pres left	*	1569.0	1111.0	1480.0	1294.0	*	203.	334.	AG	690.	10.0	.0	44.0		
23. NB	Pres left	*	1498.0	1258.0	1589.3	1069.1	*	210.	154.	AG	216.	100.0	.0	24.0	.85	10.7
24. NB	Pres dep	*	1503.0	1304.0	1326.0	1668.0	*	405.	334.	AG	1650.	10.0	.0	56.0		
25. NB	Pres dep	*	1326.0	1668.0	1181.0	1944.0	*	312.	332.	AG	1650.	10.0	.0	68.0		
26. NB	Pres dep	*	1181.0	1944.0	1024.0	2203.0	*	303.	329.	AG	1650.	10.0	.0	68.0		
27. SB	Pres ap	*	950.0	2164.0	1048.0	2012.0	*	181.	147.	AG	1605.	10.0	.0	56.0		
28. SB	Pres ap	*	1048.0	2012.0	1181.0	1795.0	*	255.	148.	AG	1605.	10.0	.0	56.0		
29. SB	Pres ap	*	1181.0	1795.0	1272.0	1632.0	*	187.	151.	AG	1605.	10.0	.0	56.0		
30. SB	Pres ap	*	1272.0	1632.0	1347.0	1477.0	*	172.	154.	AG	1605.	10.0	.0	56.0		
31. SB	Pres ap	*	1347.0	1477.0	1412.0	1304.0	*	185.	159.	AG	1605.	10.0	.0	68.0		
32. SB	Pres ap	*	1398.0	1342.0	1334.9	1505.7	*	175.	339.	AG	346.	100.0	.0	48.0	.73	8.9
33. SB	Pres dep	*	1412.0	1304.0	1468.0	1205.0	*	114.	151.	AG	950.	10.0	.0	56.0		
34. SB	Pres dep	*	1468.0	1205.0	1648.0	829.0	*	417.	154.	AG	950.	10.0	.0	56.0		
35. SB	Pres dep	*	1648.0	829.0	1773.0	581.0	*	278.	153.	AG	950.	10.0	.0	56.0		
36. SB	Pres dep	*	1773.0	581.0	1867.0	393.0	*	210.	153.	AG	950.	10.0	.0	56.0		

JOB: S8 Lombard & President EXAM RUN: Site 8 Existing AM
DATE: 08/31/2012 TIME: 11:25:12.77

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
9. WB	Lom ap	*	140	100	2.0	670	1381	56.40	1	3
20. NB	Pres ap	*	140	40	2.0	1535	1552	56.40	1	3
23. NB	Pres left	*	140	100	2.0	690	1572	56.40	1	3
32. SB	Pres ap	*	140	80	2.0	1605	1376	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1661.0	1054.0	5.0	*
2. SE 164 S	*	1607.0	1165.0	5.0	*
3. SE 82 S	*	1570.0	1238.0	5.0	*
4. SE CNR	*	1534.0	1312.0	5.0	*
5. SE 82 E	*	1607.0	1350.0	5.0	*
6. SE 164 E	*	1680.0	1387.0	5.0	*
7. SE MID E	*	1808.0	1440.0	5.0	*
8. NE MID E	*	1762.0	1504.0	5.0	*
9. NE 164 E	*	1657.0	1430.0	5.0	*
10. NE 82 E	*	1583.0	1395.0	5.0	*
11. NE CNR	*	1511.0	1367.0	5.0	*
12. NE 82 N	*	1473.0	1435.0	5.0	*
13. NE 164 N	*	1436.0	1510.0	5.0	*
14. NE MID N	*	1378.0	1629.0	5.0	*
15. NW MID N	*	1254.0	1606.0	5.0	*
16. NW 164 N	*	1319.0	1466.0	5.0	*
17. NW 82 N	*	1344.0	1387.0	5.0	*
18. NW CNR	*	1366.0	1316.0	5.0	*
19. NW 82 W	*	1299.0	1289.0	5.0	*
20. NW 164 W	*	1221.0	1264.0	5.0	*

21. NW MID W	*	1051.0	1231.0	5.0	*
22. SW MID W	*	1046.0	1148.0	5.0	*
23. SW 164 W	*	1257.0	1201.0	5.0	*
24. SW 82 W	*	1338.0	1224.0	5.0	*
25. SW CNR	*	1416.0	1244.0	5.0	*
26. SW 82 S	*	1452.0	1169.0	5.0	*
27. SW 164 S	*	1487.0	1094.0	5.0	*
28. SW MID S	*	1524.0	1013.0	5.0	*

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JOB: S8 Lombard & President EXAM RUN: Site 8 Existing AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.4	.5	.8	1.2	.2	.1	.0	.0	.0	.1	.1	.1	.1	1.0	1.5	1.9	1.9	.7	.2
5.	.1	.3	.4	.8	1.2	.2	.1	.0	.0	.0	.0	.1	.1	.1	1.0	1.4	2.0	1.8	.6	.3
10.	.0	.2	.4	.8	1.2	.2	.1	.0	.0	.0	.0	.1	.1	.1	1.0	1.6	1.9	1.8	.6	.4
15.	.0	.1	.4	.9	1.2	.2	.1	.0	.0	.0	.0	.1	.1	.1	.9	1.6	1.9	1.6	.7	.4
20.	.0	.1	.4	1.1	1.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.9	1.6	1.9	1.6	.9	.3
25.	.0	.0	.3	1.2	1.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.7	1.6	1.8	1.5	.8	.5
30.	.0	.0	.3	1.2	1.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.8	1.7	1.8	1.5	.8	.5
35.	.0	.0	.2	1.2	1.1	.3	.1	.0	.1	.1	.0	.0	.0	.0	.9	1.7	1.7	1.4	.8	.6
40.	.0	.0	.2	1.3	1.0	.3	.2	.0	.1	.1	.0	.0	.0	.0	.8	1.7	1.7	1.3	.8	.5
45.	.0	.0	.0	1.2	.9	.3	.3	.1	.1	.2	.0	.0	.0	.0	.9	1.7	1.7	1.3	.8	.6
50.	.0	.0	.0	1.2	.8	.4	.3	.1	.1	.2	.2	.0	.0	.0	.7	1.8	1.6	1.2	.8	.6
55.	.0	.0	.0	1.0	.6	.3	.3	.2	.1	.4	.3	.0	.0	.0	.9	1.8	1.7	1.2	.9	.6
60.	.0	.0	.0	.9	.5	.2	.3	.3	.3	.5	.4	.0	.0	.0	.9	1.9	1.7	1.3	1.1	.7
65.	.0	.0	.0	.7	.4	.1	.3	.3	.3	.6	.6	.0	.0	.0	.7	1.9	1.7	1.5	.9	.8
70.	.0	.0	.0	.5	.3	.1	.3	.3	.3	.8	.7	.0	.0	.0	.7	2.0	1.7	1.4	1.1	.9
75.	.0	.0	.0	.3	.2	.1	.1	.3	.4	.9	.9	.0	.0	.0	.8	1.9	1.8	1.5	1.2	1.0
80.	.0	.0	.0	.2	.1	.1	.0	.3	.3	1.0	1.1	.0	.0	.0	.8	1.9	1.8	1.4	1.2	1.0
85.	.0	.0	.0	.2	.1	.0	.0	.2	.3	1.1	1.2	.1	.0	.0	.8	1.8	1.8	1.6	1.2	1.2
90.	.0	.0	.0	.0	.0	.0	.0	.2	.2	1.2	1.2	.2	.0	.0	.8	1.9	1.8	1.5	1.3	1.0
95.	.0	.0	.0	.0	.0	.0	.0	.2	.2	1.3	1.2	.3	.0	.0	.8	2.0	2.0	1.3	1.1	1.1
100.	.0	.0	.0	.0	.0	.0	.0	.1	.2	1.3	1.1	.3	.0	.0	.9	2.0	2.1	1.4	1.2	1.0
105.	.0	.0	.0	.0	.0	.0	.0	.1	.2	1.3	1.0	.4	.1	.0	.9	2.1	2.0	1.6	1.2	1.0
110.	.0	.0	.0	.0	.0	.0	.0	.1	.2	1.3	1.0	.4	.2	.1	.9	2.3	2.1	1.5	1.2	1.0
115.	.0	.0	.0	.0	.0	.0	.0	.1	.2	1.2	.9	.5	.3	.1	1.1	2.2	2.0	1.5	1.2	.8
120.	.0	.0	.0	.0	.0	.0	.0	.1	.2	1.2	.9	.5	.4	.1	1.1	2.1	1.9	1.6	1.0	.9
125.	.0	.0	.1	.1	.0	.0	.0	.1	.2	1.2	.8	.5	.4	.2	1.3	2.4	2.1	1.7	1.1	.8
130.	.1	.0	.1	.1	.0	.0	.0	.1	.2	1.2	.7	.5	.4	.2	1.4	2.5	2.2	1.7	.9	.7
135.	.1	.0	.1	.1	.0	.0	.0	.2	.2	1.2	.8	.5	.4	.3	1.4	2.3	2.2	1.5	1.0	.7
140.	.3	.2	.2	.2	.0	.0	.0	.2	.2	1.2	.7	.6	.5	.3	1.6	2.5	2.0	1.5	.9	.5
145.	.4	.3	.5	.4	.0	.0	.0	.2	.2	1.2	.8	.7	.7	.5	1.6	2.6	1.8	1.2	.6	.5
150.	.6	.6	.6	.8	.0	.0	.0	.2	.2	1.2	1.1	1.0	.7	.7	1.4	2.3	1.6	1.1	.7	.5
155.	.8	.6	.8	1.0	.2	.0	.0	.2	.2	1.2	1.2	1.5	1.0	1.1	1.1	2.0	1.3	.9	.6	.6
160.	.9	.8	1.2	1.4	.2	.0	.0	.2	.2	1.4	1.6	1.5	1.2	1.2	.9	1.4	.9	.9	.6	.6
165.	1.1	.9	1.3	1.5	.2	.1	.0	.2	.3	1.5	1.5	1.4	1.1	1.3	.8	1.1	.7	.7	.6	.6
170.	1.0	1.2	1.6	1.6	.3	.2	.0	.2	.5	1.7	1.7	1.5	1.2	1.4	.5	.9	.6	.5	.6	.5
175.	1.0	1.2	1.5	1.6	.5	.2	.0	.2	.5	1.8	1.5	1.4	1.4	1.4	.3	.6	.4	.5	.5	.5
180.	1.0	1.0	1.6	1.5	.5	.2	.1	.2	.5	1.8	1.5	1.3	1.2	1.5	.2	.6	.3	.6	.5	.5
185.	.9	1.0	1.4	1.5	.6	.2	.2	.3	.9	1.9	1.3	1.2	1.3	1.6	.2	.3	.4	.5	.5	.5
190.	.8	1.0	1.6	1.5	.7	.4	.1	.3	.8	2.0	1.6	1.1	1.2	1.4	.2	.4	.4	.6	.6	.5
195.	.8	1.0	1.5	1.3	.7	.4	.1	.3	.9	2.0	1.4	1.1	1.3	1.3	.3	.4	.3	.6	.6	.5
200.	.8	1.1	1.5	1.3	.7	.4	.1	.3	1.2	2.0	1.4	1.2	1.4	1.3	.2	.4	.3	.7	.6	.6
205.	.8	1.0	1.5	1.2	.7	.3	.0	.4	1.3	2.1	1.3	1.2	1.5	1.2	.2	.4	.4	.6	.6	.6

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JOB: S8 Lombard & President EXAM RUN: Site 8 Existing AM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.8	1.1	1.5	1.1	.7	.4	.1	.5	1.4	2.1	1.1	1.2	1.5	1.0	.1	.3	.3	.7	.6	.6
215.	.8	1.1	1.5	1.2	.7	.4	.2	.5	1.4	1.9	1.1	1.2	1.4	.8	.1	.3	.3	.7	.7	.7
220.	.7	1.1	1.4	.9	.7	.6	.2	.6	1.5	1.8	1.2	1.3	1.4	.9	.1	.3	.3	.6	.8	.7
225.	.7	1.0	1.3	.8	.8	.5	.2	.7	1.6	1.7	1.4	1.2	1.5	.8	.1	.2	.3	.7	.8	.6
230.	.8	.9	1.4	1.0	.9	.7	.3	.6	1.5	1.6	1.4	1.4	1.4	.8	.1	.2	.2	.8	.7	.7
235.	.8	1.0	1.5	1.1	1.2	.8	.4	.6	1.5	1.6	1.4	1.3	1.2	.8	.1	.2	.3	.8	.7	.8
240.	.7	1.1	1.5	1.3	1.2	1.1	.5	.8	1.5	1.5	1.6	1.3	1.3	.7	.1	.2	.3	.7	.9	.7
245.	.7	1.1	1.5	1.3	1.2	1.2	.6	.8	1.4	1.2	1.5	1.5	1.3	.7	.0	.2	.3	.7	.8	.7
250.	.7	1.1	1.7	1.6	1.4	1.6	.8	.6	1.1	1.1	1.4	1.2	1.1	.7	.0	.1	.3	.7	.8	.7
255.	.7	1.1	1.6	1.6	1.7	1.6	.8	.4	1.0	1.1	1.4	1.2	1.2	.7	.0	.0	.2	.6	.6	.6
260.	.7	1.0	1.5	1.7	1.6	1.6	.8	.3	.8	.9	1.3	1.2	1.1	.8	.0	.0	.1	.5	.5	.5
265.	.8	1.3	1.6	1.6	1.8	1.5	.6	.2	.7	.8	1.1	1.2	1.0	.8	.0	.0	.0	.4	.5	.5
270.	.8	1.3	1.7	1.5	1.9	1.7	.6	.2	.7	.7	1.1	1.2	.9	.7	.0	.0	.0	.1	.4	.4
275.	.8	1.4	1.7	1.5	1.9	1.5	.6	.3	.6	.6	1.1	1.3	.9	.7	.0	.0	.0	.0	.1	.3
280.	1.0	1.4	1.6	1.5	1.9	1.4	.5	.1	.6	.6	1.1	1.2	.8	.9	.0	.0	.0	.0	.1	.0
285.	1.1	1.6	1.7	1.6	1.9	1.4	.4	.1	.4	.6	1.1	1.3	.9	.9	.0	.0	.0	.0	.1	.0
290.	1.2	1.7	1.8	1.6	1.7	1.1	.3	.2	.4	.6	1.2	1.2	.9	.8	.0	.0	.0	.0	.1	.0
295.	1.4	1.6	1.7	1.5	1.8	.9	.3	.1	.3	.6	1.3	1.2	.9	.9	.0	.1	.1	.0	.1	.0
300.	1.4	1.8	1.7	1.8	1.8	.8	.3	.1	.3	.4	1.3	1.2	.9	1.0	.0	.1	.1	.0	.0	.0

305. *	1.5	1.9	1.7	1.7	1.6	.6	.3	.1	.2	.4	1.1	1.3	1.1	1.0	.1	.1	.1	.0	.0	.0
310. *	1.5	1.7	1.5	1.7	1.7	.6	.2	.1	.2	.5	1.2	1.1	1.1	1.0	.1	.1	.1	.0	.0	.0
315. *	1.7	1.7	1.5	1.5	1.6	.5	.2	.0	.1	.5	1.3	1.1	1.1	1.1	.3	.1	.1	.1	.0	.0
320. *	1.5	1.6	1.4	1.6	1.4	.4	.2	.0	.1	.2	1.1	1.1	1.2	1.0	.3	.3	.3	.2	.0	.0
325. *	1.3	1.5	1.7	1.4	1.4	.2	.2	.0	.0	.2	1.0	1.1	1.1	1.0	.4	.5	.4	.2	.0	.0
330. *	1.3	1.4	1.4	1.1	1.4	.2	.2	.0	.0	.2	.7	.9	1.0	.9	.7	.8	.7	.5	.0	.0
335. *	.9	.9	1.1	.9	1.2	.2	.2	.0	.0	.0	.5	.6	.8	.6	.9	.9	1.0	.8	.0	.0
340. *	.6	.8	.7	.8	1.2	.2	.1	.0	.0	.0	.4	.5	.4	.6	.9	1.1	1.3	1.2	.0	.0
345. *	.4	.7	.6	.7	1.2	.2	.1	.0	.0	.0	.2	.4	.4	.3	1.1	1.4	1.4	1.4	.3	.0
350. *	.3	.5	.6	.7	1.1	.2	.1	.0	.0	.0	.1	.2	.3	.2	1.2	1.3	1.8	1.6	.4	.0
355. *	.1	.4	.6	.7	1.1	.2	.1	.0	.0	.0	.1	.1	.1	.2	1.2	1.4	1.8	1.8	.5	.2
360. *	.1	.4	.5	.8	1.2	.2	.1	.0	.0	.0	.1	.1	.1	.1	1.0	1.5	1.9	1.9	.7	.2
MAX *	1.7	1.9	1.8	1.8	1.9	1.7	.8	.8	1.6	2.1	1.7	1.5	1.5	1.6	1.6	2.6	2.2	1.9	1.3	1.2
DEGR. *	315	305	290	300	270	270	250	240	225	205	170	160	205	185	140	145	130	0	90	85

1

JOB: S8 Lombard & President EXAM RUN: Site 8 Existing AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.5	.8	1.4	1.7	.9	1.2	1.3
5. *	.0	.5	.9	1.4	1.6	.9	1.1	1.3
10. *	.0	.5	1.1	1.5	1.5	1.0	1.2	1.2
15. *	.1	.6	1.1	1.4	1.4	1.2	1.1	1.1
20. *	.1	.6	1.1	1.4	1.3	1.1	1.2	1.2
25. *	.2	.6	1.0	1.3	1.1	1.2	1.1	1.1
30. *	.1	.6	1.2	1.2	1.2	1.4	1.1	.9
35. *	.3	.8	1.2	1.3	1.2	1.2	1.1	.8
40. *	.4	.9	1.2	1.3	1.3	1.2	1.1	.9
45. *	.4	1.0	1.3	1.2	1.3	1.1	1.0	.8
50. *	.3	1.0	1.2	1.2	1.4	1.1	1.0	.7
55. *	.4	1.1	1.2	1.1	1.2	1.1	.9	.7
60. *	.4	1.2	1.2	1.1	1.2	1.1	.9	.7
65. *	.5	1.1	1.1	1.0	1.3	1.1	1.0	.6
70. *	.7	.8	1.0	.9	1.1	1.0	.9	.6
75. *	.9	.8	1.0	.9	1.0	1.0	.9	.7
80. *	.7	.8	.7	.8	.9	1.0	1.0	.7
85. *	.8	.6	.6	.6	.9	1.0	.9	.6
90. *	.9	.5	.4	.6	.9	1.0	.8	.7
95. *	.9	.5	.4	.7	.9	1.0	.8	.6
100. *	.8	.2	.4	.7	1.0	1.0	.8	.6
105. *	.8	.2	.4	.7	1.0	.9	.8	.6
110. *	.7	.1	.3	.6	1.1	.9	.8	.6
115. *	.6	.1	.4	.4	1.1	1.2	.8	.7
120. *	.6	.1	.3	.4	1.2	1.1	.9	.8
125. *	.6	.1	.4	.4	1.3	.9	.8	.8
130. *	.5	.1	.4	.4	1.1	.9	.8	.7
135. *	.5	.1	.2	.3	1.1	.8	.7	1.0
140. *	.5	.1	.0	.3	.9	.8	.7	.9
145. *	.5	.1	.0	.2	.9	.6	.8	.7
150. *	.5	.1	.0	.1	.7	.6	.7	.6
155. *	.5	.0	.0	.0	.6	.5	.6	.4
160. *	.5	.0	.0	.0	.3	.3	.2	.3
165. *	.5	.0	.0	.0	.2	.2	.2	.1
170. *	.5	.0	.0	.0	.2	.1	.1	.1
175. *	.5	.0	.0	.0	.1	.1	.1	.1
180. *	.5	.0	.0	.0	.1	.1	.1	.0
185. *	.5	.0	.0	.0	.0	.0	.0	.0
190. *	.5	.0	.1	.0	.0	.0	.0	.0
195. *	.6	.0	.1	.0	.0	.0	.0	.0
200. *	.6	.0	.1	.0	.0	.0	.0	.0
205. *	.5	.0	.1	.0	.0	.0	.0	.0

1

JOB: S8 Lombard & President EXAM RUN: Site 8 Existing AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.6	.0	.1	.1	.0	.0	.0	.0
215. *	.6	.0	.1	.1	.0	.0	.0	.0
220. *	.7	.0	.1	.1	.0	.0	.0	.0
225. *	.7	.0	.1	.1	.0	.0	.0	.0
230. *	.6	.0	.1	.1	.0	.0	.0	.0
235. *	.7	.0	.3	.1	.1	.0	.0	.0
240. *	.8	.1	.3	.3	.1	.0	.0	.0
245. *	.8	.2	.4	.4	.3	.0	.0	.0
250. *	.8	.3	.7	.6	.4	.0	.0	.0

255.	*	.9	.5	.8	.8	.6	.0	.0	.0
260.	*	.9	.6	.9	.9	.8	.1	.0	.0
265.	*	.7	.7	1.0	.9	.9	.4	.0	.0
270.	*	.5	.8	1.1	1.0	.9	.4	.0	.0
275.	*	.4	1.0	1.0	1.0	.8	.5	.3	.0
280.	*	.3	1.0	1.0	.8	.6	.4	.3	.0
285.	*	.2	.9	.9	.8	.6	.3	.2	.0
290.	*	.1	.9	.7	.6	.6	.2	.2	.1
295.	*	.0	.9	.7	.6	.6	.2	.2	.2
300.	*	.0	.7	.7	.6	.5	.3	.1	.1
305.	*	.0	.7	.6	.6	.6	.3	.1	.1
310.	*	.0	.6	.6	.6	.7	.2	.1	.1
315.	*	.0	.7	.5	.5	.8	.3	.3	.2
320.	*	.0	.7	.5	.5	.8	.6	.4	.2
325.	*	.0	.6	.5	.5	1.0	.6	.6	.4
330.	*	.0	.6	.6	.5	1.4	.8	.7	.6
335.	*	.0	.5	.6	.6	1.7	1.1	.8	.6
340.	*	.0	.6	.6	.7	1.9	1.3	.9	.9
345.	*	.0	.5	.6	1.0	1.9	1.4	1.1	1.1
350.	*	.0	.5	.6	1.3	2.0	1.2	1.1	1.2
355.	*	.0	.5	.7	1.2	1.9	1.0	1.2	1.3
360.	*	.0	.5	.8	1.4	1.7	.9	1.2	1.3
MAX	*	.9	1.2	1.3	1.5	2.0	1.4	1.2	1.3
DEGR.	*	75	60	45	10	350	30	0	0

THE HIGHEST CONCENTRATION IS 2.60 PPM AT 145 DEGREES FROM REC16.
THE 2ND HIGHEST CONCENTRATION IS 2.20 PPM AT 130 DEGREES FROM REC17.
THE 3RD HIGHEST CONCENTRATION IS 2.10 PPM AT 205 DEGREES FROM REC10.

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S8 Lombard & President EXPM             60.0321.0.0000.000280.30480000    1    1
SE MID S                 1661.     1054.       5.0
SE 164 S                 1607.     1165.       5.0
SE 82 S                  1570.     1238.       5.0
SE CNR                   1534.     1312.       5.0
SE 82 E                  1607.     1350.       5.0
SE 164 E                 1680.     1387.       5.0
SE MID E                 1808.     1440.       5.0
NE MID E                 1762.     1504.       5.0
NE 164  E                1657.     1430.       5.0
NE 82  E                 1583.     1395.       5.0
NE CNR                   1511.     1367.       5.0
NE 82 N                  1473.     1435.       5.0
NE 164 N                 1436.     1510.       5.0
NE MID N                 1378.     1629.       5.0
NW MID N                 1254.     1606.       5.0
NW 164 N                 1319.     1466.       5.0
NW 82 N                  1344.     1387.       5.0
NW CNR                   1366.     1316.       5.0
NW 82 W                  1299.     1289.       5.0
NW 164 W                 1221.     1264.       5.0
NW MID W                 1051.     1231.       5.0
SW MID W                 1046.     1148.       5.0
SW 164 W                 1257.     1201.       5.0
SW 82 W                  1338.     1224.       5.0
SW CNR                   1416.     1244.       5.0
SW 82 S                  1452.     1169.       5.0
SW 164 S                 1487.     1094.       5.0
SW MID S                 1524.     1013.       5.0
Site 8 Existing PM                      36  1   0
  1
WB        Lom ap    AG  2349.  1748.  1969.  1554.    740.10.0   0  44   30.
  1
WB        Lom ap1   AG  1969.  1554.  1855.  1537.    370.10.0   0  44   30.
  1
WB        Lom ap1   AG  1855.  1537.  1793.  1506.    370.10.0   0  44   30.
  1
WB        Lom ap1   AG  1793.  1506.  1719.  1436.    370.10.0   0  44   30.
  1
WB        Lom ap2   AG  1969.  1554.  1888.  1494.    370.10.0   0  32   30.
  1
WB        Lom ap2   AG  1888.  1494.  1831.  1463.    370.10.0   0  32   30.
  1
WB        Lom ap2   AG  1831.  1463.  1719.  1436.    370.10.0   0  32   30.
  1
WB        Lom ap3   AG  1719.  1436.  1501.  1326.    740.10.0   0  56   30.
  2
WB        Lom ap    AG  1535.  1343.  1688.  1421.      0.  36   3
       110        80       2.0  740   56.4 1537 1 3
  1
WB        Lom dep   AG  1501.  1326.  1347.  1267.   1620.10.0   0  68   30.
  1
WB        Lom dep   AG  1347.  1267.  1160.  1201.   1620.10.0   0  68   30.
  1
WB        Lom dep   AG  1160.  1201.  1011.  1183.   1620.10.0   0  92   30.
  1
WB        Lom dep   AG  1011.  1183.   807.  1176.   1620.10.0   0  80   30.
  1
WB        Lom dep   AG   807.  1176.   465.  1161.   1620.10.0   0  80   30.
  1
NB        Pres ap   AG  1934.   426.  1839.   622.   2515.10.0   0  56   35.
  1
NB        Pres ap   AG  1839.   622.  1721.   844.   2515.10.0   0  68   35.
  1
NB        Pres ap   AG  1721.   844.  1639.  1016.   2515.10.0   0  68   35.
  1
NB        Pres thru AG  1639.  1016.  1591.  1125.   1760.10.0   0  56   35.
  1
NB        Pres thru AG  1591.  1125.  1503.  1304.   1760.10.0   0  56   35.
  2
NB        Pres ap   AG  1519.  1271.  1579.  1151.      0.  36   3
       110        30       2.0 1760   56.4 1725 1 3
  1
NB        Pres left AG  1639.  1016.  1569.  1111.    755.10.0   0  44   35.
  1
NB        Pres left AG  1569.  1111.  1480.  1294.    755.10.0   0  44   35.
  2
NB        Pres left AG  1498.  1258.  1556.  1138.      0.  24   2
       110        70       2.0  755   56.4 1747 1 3
  1
NB        Pres dep  AG  1503.  1304.  1326.  1668.   1875.10.0   0  56   35.
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  1
NB        Pres dep  AG  1326.  1668.  1181.  1944.   1875.10.0   0  68   35.
  1
NB        Pres dep  AG  1181.  1944.  1024.  2203.   1875.10.0   0  68   35.
  1
SB        Pres ap   AG   950.  2164.  1048.  2012.   1385.10.0   0  56   35.
  1
SB        Pres ap   AG  1048.  2012.  1181.  1795.   1385.10.0   0  56   35.
  1
SB        Pres ap   AG  1181.  1795.  1272.  1632.   1385.10.0   0  56   35.
  1
SB        Pres ap   AG  1272.  1632.  1347.  1477.   1385.10.0   0  56   35.
  1
SB        Pres ap   AG  1347.  1477.  1412.  1304.   1385.10.0   0  68   35.
  2
SB        Pres ap   AG  1398.  1342.  1351.  1464.      0.  48   4
       110        70       2.0 1385   56.4 1529 1 3
  1
SB        Pres dep  AG  1412.  1304.  1468.  1205.   1145.10.0   0  56   35.
  1
SB        Pres dep  AG  1468.  1205.  1648.   829.   1145.10.0   0  56   35.
  1
SB        Pres dep  AG  1648.   829.  1773.   581.   1145.10.0   0  56   35.
  1
SB        Pres dep  AG  1773.   581.  1867.   393.   1145.10.0   0  56   35.
1.0   04  1000   0Y  5  0 72
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JOB: S8 Lombard & President EXPM RUN: Site 8 Existing PM
DATE: 09/04/2012 TIME: 11:20:02.77

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom ap	*	2349.0	1748.0	1969.0	1554.0	*	427.	243.	AG	740.	10.0	.0	44.0		
2. WB	Lom ap1	*	1969.0	1554.0	1855.0	1537.0	*	115.	262.	AG	370.	10.0	.0	44.0		
3. WB	Lom ap1	*	1855.0	1537.0	1793.0	1506.0	*	69.	243.	AG	370.	10.0	.0	44.0		
4. WB	Lom ap1	*	1793.0	1506.0	1719.0	1436.0	*	102.	227.	AG	370.	10.0	.0	44.0		
5. WB	Lom ap2	*	1969.0	1554.0	1888.0	1494.0	*	101.	233.	AG	370.	10.0	.0	32.0		
6. WB	Lom ap2	*	1888.0	1494.0	1831.0	1463.0	*	65.	241.	AG	370.	10.0	.0	32.0		
7. WB	Lom ap2	*	1831.0	1463.0	1719.0	1436.0	*	115.	256.	AG	370.	10.0	.0	32.0		
8. WB	Lom ap3	*	1719.0	1436.0	1501.0	1326.0	*	244.	243.	AG	740.	10.0	.0	56.0		
9. WB	Lom ap	*	1535.0	1343.0	1630.9	1391.9	*	108.	63.	AG	330.	100.0	.0	36.0	.68	5.5
10. WB	Lom dep	*	1501.0	1326.0	1347.0	1267.0	*	165.	249.	AG	1620.	10.0	.0	68.0		
11. WB	Lom dep	*	1347.0	1267.0	1160.0	1201.0	*	198.	251.	AG	1620.	10.0	.0	68.0		
12. WB	Lom dep	*	1160.0	1201.0	1011.0	1183.0	*	150.	263.	AG	1620.	10.0	.0	92.0		
13. WB	Lom dep	*	1011.0	1183.0	807.0	1176.0	*	204.	268.	AG	1620.	10.0	.0	80.0		
14. WB	Lom dep	*	807.0	1176.0	465.0	1161.0	*	342.	267.	AG	1620.	10.0	.0	80.0		
15. NB	Pres ap	*	1934.0	426.0	1839.0	622.0	*	218.	334.	AG	2515.	10.0	.0	56.0		
16. NB	Pres ap	*	1839.0	622.0	1721.0	844.0	*	251.	332.	AG	2515.	10.0	.0	68.0		
17. NB	Pres ap	*	1721.0	844.0	1639.0	1016.0	*	191.	335.	AG	2515.	10.0	.0	68.0		
18. NB	Pres thru	*	1639.0	1016.0	1591.0	1125.0	*	119.	336.	AG	1760.	10.0	.0	56.0		
19. NB	Pres thru	*	1591.0	1125.0	1503.0	1304.0	*	199.	334.	AG	1760.	10.0	.0	56.0		
20. NB	Pres ap	*	1519.0	1271.0	1562.0	1185.0	*	96.	153.	AG	124.	100.0	.0	36.0	.49	4.9
21. NB	Pres left	*	1639.0	1016.0	1569.0	1111.0	*	118.	324.	AG	755.	10.0	.0	44.0		
22. NB	Pres left	*	1569.0	1111.0	1480.0	1294.0	*	203.	334.	AG	755.	10.0	.0	44.0		
23. NB	Pres left	*	1498.0	1258.0	1560.8	1128.1	*	144.	154.	AG	193.	100.0	.0	24.0	.66	7.3
24. NB	Pres dep	*	1503.0	1304.0	1326.0	1668.0	*	405.	334.	AG	1875.	10.0	.0	56.0		
25. NB	Pres dep	*	1326.0	1668.0	1181.0	1944.0	*	312.	332.	AG	1875.	10.0	.0	68.0		
26. NB	Pres dep	*	1181.0	1944.0	1024.0	2203.0	*	303.	329.	AG	1875.	10.0	.0	68.0		
27. SB	Pres ap	*	950.0	2164.0	1048.0	2012.0	*	181.	147.	AG	1385.	10.0	.0	56.0		
28. SB	Pres ap	*	1048.0	2012.0	1181.0	1795.0	*	255.	148.	AG	1385.	10.0	.0	56.0		
29. SB	Pres ap	*	1181.0	1795.0	1272.0	1632.0	*	187.	151.	AG	1385.	10.0	.0	56.0		
30. SB	Pres ap	*	1272.0	1632.0	1347.0	1477.0	*	172.	154.	AG	1385.	10.0	.0	56.0		
31. SB	Pres ap	*	1347.0	1477.0	1412.0	1304.0	*	185.	159.	AG	1385.	10.0	.0	68.0		
32. SB	Pres ap	*	1398.0	1342.0	1350.4	1465.6	*	132.	339.	AG	385.	100.0	.0	48.0	.69	6.7
33. SB	Pres dep	*	1412.0	1304.0	1468.0	1205.0	*	114.	151.	AG	1145.	10.0	.0	56.0		
34. SB	Pres dep	*	1468.0	1205.0	1648.0	829.0	*	417.	154.	AG	1145.	10.0	.0	56.0		
35. SB	Pres dep	*	1648.0	829.0	1773.0	581.0	*	278.	153.	AG	1145.	10.0	.0	56.0		
36. SB	Pres dep	*	1773.0	581.0	1867.0	393.0	*	210.	153.	AG	1145.	10.0	.0	56.0		

JOB: S8 Lombard & President EXPM RUN: Site 8 Existing PM
DATE: 09/04/2012 TIME: 11:20:02.77

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
9. WB	Lom ap	*	110	80	2.0	740	1537	56.40	1	3
20. NB	Pres ap	*	110	30	2.0	1760	1725	56.40	1	3
23. NB	Pres left	*	110	70	2.0	755	1747	56.40	1	3
32. SB	Pres ap	*	110	70	2.0	1385	1529	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1661.0	1054.0	5.0	*
2. SE 164 S	*	1607.0	1165.0	5.0	*
3. SE 82 S	*	1570.0	1238.0	5.0	*
4. SE CNR	*	1534.0	1312.0	5.0	*
5. SE 82 E	*	1607.0	1350.0	5.0	*
6. SE 164 E	*	1680.0	1387.0	5.0	*
7. SE MID E	*	1808.0	1440.0	5.0	*
8. NE MID E	*	1762.0	1504.0	5.0	*
9. NE 164 E	*	1657.0	1430.0	5.0	*
10. NE 82 E	*	1583.0	1395.0	5.0	*
11. NE CNR	*	1511.0	1367.0	5.0	*
12. NE 82 N	*	1473.0	1435.0	5.0	*
13. NE 164 N	*	1436.0	1510.0	5.0	*
14. NE MID N	*	1378.0	1629.0	5.0	*
15. NW MID N	*	1254.0	1606.0	5.0	*
16. NW 164 N	*	1319.0	1466.0	5.0	*
17. NW 82 N	*	1344.0	1387.0	5.0	*
18. NW CNR	*	1366.0	1316.0	5.0	*
19. NW 82 W	*	1299.0	1289.0	5.0	*
20. NW 164 W	*	1221.0	1264.0	5.0	*

21. NW MID W	*	1051.0	1231.0	5.0	*
22. SW MID W	*	1046.0	1148.0	5.0	*
23. SW 164 W	*	1257.0	1201.0	5.0	*
24. SW 82 W	*	1338.0	1224.0	5.0	*
25. SW CNR	*	1416.0	1244.0	5.0	*
26. SW 82 S	*	1452.0	1169.0	5.0	*
27. SW 164 S	*	1487.0	1094.0	5.0	*
28. SW MID S	*	1524.0	1013.0	5.0	*

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JOB: S8 Lombard & President EXPM RUN: Site 8 Existing PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.4	.5	.8	1.1	.2	.1	.0	.0	.0	.1	.1	.1	.1	.9	1.0	1.7	1.7	.5	.2
5.	.0	.3	.5	.8	1.1	.2	.2	.0	.0	.0	.0	.1	.1	.1	.9	.8	1.8	1.8	.6	.2
10.	.0	.2	.4	.9	1.2	.2	.2	.0	.0	.0	.0	.1	.1	.1	.9	.8	1.8	1.8	.6	.3
15.	.0	.2	.4	1.0	1.2	.2	.2	.0	.0	.0	.0	.1	.1	.1	.9	1.0	1.9	1.8	.7	.3
20.	.0	.0	.3	1.1	1.1	.2	.1	.0	.0	.0	.0	.1	.1	.1	.8	.9	1.9	1.8	.9	.3
25.	.0	.0	.3	1.2	1.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.8	.8	1.8	1.6	.8	.4
30.	.0	.0	.2	1.2	1.0	.3	.1	.0	.1	.0	.0	.0	.0	.0	.8	.8	1.8	1.5	.8	.5
35.	.0	.0	.2	1.2	1.0	.3	.2	.0	.1	.1	.0	.0	.0	.0	.8	.8	1.8	1.5	.8	.4
40.	.0	.0	.2	1.2	.9	.3	.2	.0	.1	.1	.0	.0	.0	.0	.8	.8	1.8	1.4	.8	.4
45.	.0	.0	.0	1.2	.8	.4	.3	.1	.1	.2	.1	.0	.0	.0	.7	.7	1.8	1.3	.8	.5
50.	.0	.0	.0	1.1	.7	.4	.3	.2	.1	.2	.2	.0	.0	.0	.8	.7	1.7	1.3	.9	.6
55.	.0	.0	.0	1.0	.6	.3	.3	.2	.1	.3	.3	.0	.0	.0	.8	.7	1.8	1.3	.8	.6
60.	.0	.0	.0	.9	.4	.3	.3	.3	.3	.4	.5	.0	.0	.0	.7	.8	1.8	1.4	1.0	.7
65.	.0	.0	.0	.6	.3	.2	.3	.3	.3	.6	.6	.0	.0	.0	.7	.9	1.8	1.2	1.1	.8
70.	.0	.0	.0	.5	.3	.1	.3	.3	.4	.7	.7	.0	.0	.0	.7	.9	1.8	1.4	1.2	.8
75.	.0	.0	.0	.3	.1	.1	.1	.3	.4	.8	.9	.0	.0	.0	.7	1.1	1.9	1.4	1.1	.9
80.	.0	.0	.0	.2	.1	.1	.0	.3	.4	.9	1.0	.0	.0	.0	.7	1.1	2.0	1.4	1.3	1.2
85.	.0	.0	.0	.2	.1	.1	.0	.2	.3	1.0	1.1	.1	.0	.0	.7	1.2	2.0	1.4	1.1	1.0
90.	.0	.0	.0	.1	.1	.0	.0	.2	.3	1.0	1.2	.2	.0	.0	.7	1.3	2.0	1.4	1.1	1.0
95.	.0	.0	.0	.0	.0	.0	.0	.2	.3	1.1	1.2	.2	.0	.0	.8	1.5	2.1	1.3	1.0	.9
100.	.0	.0	.0	.0	.0	.0	.0	.2	.3	1.2	1.2	.3	.0	.0	.8	1.7	2.1	1.3	1.0	.9
105.	.0	.0	.0	.0	.0	.0	.0	.1	.2	1.2	1.2	.3	.1	.1	.8	1.9	2.1	1.5	1.1	1.0
110.	.0	.0	.0	.0	.0	.0	.0	.1	.2	1.3	1.1	.5	.3	.1	.8	2.0	2.1	1.5	1.1	.9
115.	.0	.0	.0	.0	.0	.0	.0	.1	.2	1.3	.9	.5	.3	.1	.9	2.0	2.1	1.4	1.0	.8
120.	.0	.0	.1	.1	.0	.0	.0	.1	.2	1.3	.9	.5	.3	.1	1.0	2.2	2.0	1.4	1.0	.7
125.	.0	.0	.1	.1	.0	.0	.0	.1	.2	1.2	.8	.5	.4	.1	1.1	2.2	2.1	1.5	1.2	.7
130.	.1	.0	.1	.1	.0	.0	.0	.2	.2	1.2	.7	.5	.4	.2	1.2	2.2	2.3	1.6	.8	.8
135.	.1	.1	.1	.1	.0	.0	.0	.2	.2	1.2	.8	.5	.5	.3	1.4	2.2	2.0	1.3	.8	.7
140.	.3	.3	.3	.2	.0	.0	.0	.2	.2	1.2	.7	.7	.6	.4	1.3	2.5	1.9	1.5	.8	.5
145.	.4	.3	.5	.7	.0	.0	.0	.2	.2	1.2	.9	.7	.7	.5	1.3	2.4	1.9	1.3	.8	.4
150.	.7	.6	.6	.8	.0	.0	.0	.2	.2	1.2	1.2	1.2	.9	.7	1.3	2.1	1.5	1.2	.6	.5
155.	.8	.8	.9	1.1	.2	.0	.0	.2	.2	1.5	1.5	1.7	1.2	1.0	1.1	1.8	1.0	.8	.5	.5
160.	1.1	1.1	1.2	1.4	.2	.0	.0	.2	.2	1.4	1.5	1.7	1.3	1.3	.7	1.4	.9	.7	.5	.5
165.	1.2	1.3	1.3	1.5	.3	.2	.0	.2	.4	1.6	1.7	1.5	1.3	1.4	.6	1.2	.7	.6	.5	.5
170.	1.1	1.2	1.4	1.5	.4	.2	.0	.2	.4	1.7	1.7	1.3	1.4	1.4	.5	.9	.6	.5	.5	.5
175.	1.1	1.2	1.5	1.8	.5	.2	.1	.3	.4	1.7	1.5	1.4	1.5	1.3	.3	.6	.3	.4	.5	.4
180.	1.1	1.0	1.6	1.7	.4	.2	.1	.4	.6	1.9	1.5	1.4	1.4	1.4	.2	.4	.3	.5	.5	.4
185.	1.2	1.0	1.4	1.6	.6	.3	.2	.3	.8	2.0	1.6	1.3	1.3	1.5	.2	.3	.3	.5	.5	.4
190.	1.0	1.1	1.4	1.6	.7	.4	.2	.4	.8	2.0	1.4	1.2	1.3	1.2	.2	.2	.4	.6	.5	.4
195.	1.0	.9	1.5	1.5	.6	.4	.1	.4	.8	2.0	1.5	1.1	1.5	1.2	.1	.2	.2	.5	.5	.5
200.	1.0	.9	1.6	1.4	.6	.4	.1	.5	.9	2.0	1.4	1.2	1.5	1.2	.2	.2	.2	.5	.5	.5
205.	1.0	1.1	1.6	1.3	.6	.3	.2	.4	1.1	2.0	1.2	1.1	1.5	1.1	.1	.2	.2	.6	.5	.6

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JOB: S8 Lombard & President EXPM RUN: Site 8 Existing PM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.0	1.0	1.6	1.2	.6	.3	.1	.5	1.3	2.3	1.3	1.4	1.4	.9	.0	.3	.2	.6	.5	.5
215.	.9	1.1	1.5	1.2	.6	.6	.2	.5	1.4	2.0	1.1	1.3	1.4	.8	.0	.3	.2	.5	.6	.5
220.	1.0	1.0	1.5	1.1	.7	.8	.2	.5	1.2	1.9	1.1	1.3	1.4	.8	.0	.1	.3	.6	.6	.6
225.	1.0	1.0	1.5	.9	.8	.7	.2	.5	1.5	1.8	1.2	1.3	1.4	.8	.0	.1	.3	.6	.7	.6
230.	.9	.9	1.5	1.1	.9	.7	.3	.7	1.3	1.8	1.4	1.4	1.3	.8	.0	.2	.2	.7	.6	.6
235.	1.0	1.0	1.4	1.0	1.0	.8	.4	.6	1.4	1.5	1.3	1.5	1.2	.8	.1	.1	.3	.7	.6	.6
240.	.9	1.1	1.5	1.2	1.2	1.1	.4	.7	1.3	1.5	1.4	1.5	1.2	.8	.0	.1	.3	.6	.7	.6
245.	.9	1.1	1.6	1.4	1.2	1.2	.7	.5	1.3	1.3	1.4	1.4	1.1	.8	.0	.1	.2	.6	.6	.5
250.	.9	1.2	1.6	1.4	1.4	1.4	.7	.5	1.2	1.2	1.5	1.3	1.0	.8	.0	.1	.2	.6	.7	.6
255.	.9	1.2	1.6	1.6	1.8	1.4	.7	.4	1.1	1.1	1.2	1.3	.9	.8	.0	.0	.1	.5	.6	.5
260.	.9	1.2	1.6	1.5	1.8	1.5	.6	.3	.9	.9	1.3	1.3	1.0	.9	.0	.0	.0	.4	.5	.5
265.	.9	1.2	1.6	1.6	1.9	1.4	.6	.2	.7	.9	1.1	1.3	.8	.7	.0	.0	.0	.1	.4	.4
270.	.9	1.2	1.6	1.6	1.8	1.5	.7	.2	.7	.8	1.2	1.2	.8	.7	.0	.0	.0	.0	.1	.4
275.	.9	1.4	1.5	1.5	2.0	1.3	.7	.1	.5	.7	1.2	1.2	.8	.8	.0	.0	.0	.0	.1	.1
280.	.9	1.5	1.7	1.4	2.0	1.1	.6	.1	.5	.6	1.2	1.2	.8	.9	.0	.0	.0	.0	.1	.0
285.	1.0	1.6	1.8	1.6	2.0	1.0	.4	.1	.4	.7	1.2	1.1	.8	1.0	.0	.0	.0	.0	.1	.0
290.	1.1	1.6	1.7	1.6	2.0	1.0	.4	.2	.3	.7	1.2	1.1	.9	1.0	.0	.0	.0	.0	.0	.0
295.	1.3	1.8	1.8	1.7	2.1	.9	.5	.2	.3	.6	1.4	1.1	1.0	.9	.0	.0	.0	.0	.0	.0
300.	1.2	1.7	1.8	1.7	1.8	.5	.5	.1	.2	.5	1.2	1.0	1.0	1.1	.0	.1	.0	.0	.0	.0

305. *	1.3	1.8	1.7	1.8	1.7	.5	.3	.1	.2	.4	1.2	1.0	1.2	1.1	.1	.1	.0	.0	.0	.0
310. *	1.4	1.7	1.6	1.7	1.7	.4	.3	.1	.2	.4	1.1	1.1	1.1	1.2	.1	.1	.1	.0	.0	.0
315. *	1.7	1.9	1.6	1.5	1.5	.4	.2	.0	.2	.3	1.2	1.1	1.2	1.2	.1	.1	.1	.1	.0	.0
320. *	1.6	1.5	1.5	1.6	1.5	.3	.2	.0	.1	.2	1.2	1.1	1.3	1.2	.3	.3	.1	.1	.0	.0
325. *	1.4	1.7	1.6	1.3	1.4	.3	.2	.0	.1	.2	1.0	1.2	1.2	1.2	.4	.3	.3	.2	.0	.0
330. *	1.3	1.3	1.4	1.2	1.4	.2	.2	.0	.0	.2	.8	.9	1.0	.9	.8	.6	.5	.4	.0	.0
335. *	.9	1.1	1.1	1.0	1.3	.2	.2	.0	.0	.1	.6	.8	.8	.8	.8	.8	1.0	.8	.0	.0
340. *	.6	.8	.9	.9	1.2	.2	.1	.0	.0	.0	.5	.5	.5	.6	.9	.9	1.1	1.1	.0	.0
345. *	.4	.6	.7	.7	1.2	.2	.1	.0	.0	.0	.3	.4	.4	.3	1.0	1.1	1.3	1.3	.3	.0
350. *	.3	.5	.6	.7	1.1	.2	.1	.0	.0	.0	.2	.2	.3	.2	1.0	1.0	1.4	1.4	.3	.0
355. *	.1	.4	.6	.7	1.1	.2	.1	.0	.0	.0	.1	.1	.1	.2	1.1	.9	1.5	1.7	.5	.1
360. *	.1	.4	.5	.8	1.1	.2	.1	.0	.0	.0	.1	.1	.1	.1	.9	1.0	1.7	1.7	.5	.2
MAX *	1.7	1.9	1.8	1.8	2.1	1.5	.7	.7	1.5	2.3	1.7	1.7	1.5	1.5	1.4	2.5	2.3	1.8	1.3	1.2
DEGR. *	315	315	285	175	295	260	245	230	225	210	165	155	175	185	135	140	130	5	80	80

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JOB: S8 Lombard & President EXPM RUN: Site 8 Existing PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.5	.7	1.1	1.5	1.2	1.3	1.2
5. *	.0	.5	.9	1.4	1.6	1.2	1.4	1.2
10. *	.1	.4	1.0	1.3	1.5	1.2	1.3	1.1
15. *	.1	.5	1.0	1.4	1.3	1.1	1.3	1.0
20. *	.1	.6	1.0	1.2	1.3	1.1	1.2	1.0
25. *	.1	.6	.9	1.2	1.2	1.3	1.2	1.0
30. *	.2	.6	1.1	1.2	1.2	1.4	1.2	.8
35. *	.2	.7	1.1	1.2	1.2	1.4	1.0	.7
40. *	.2	.8	1.1	1.2	1.1	1.3	.9	.7
45. *	.3	.8	1.2	1.1	1.4	1.2	.9	.6
50. *	.3	.9	1.1	1.0	1.4	1.1	.8	.6
55. *	.4	1.0	1.2	1.0	1.3	1.2	.8	.6
60. *	.4	1.1	1.2	1.0	1.3	1.1	1.0	.7
65. *	.5	1.0	1.0	1.0	1.3	1.2	.9	.7
70. *	.7	.7	1.0	1.1	1.2	1.2	.8	.7
75. *	.7	.7	.8	.8	1.1	1.1	.8	.7
80. *	.8	.7	.6	.7	.8	1.0	.8	.7
85. *	.6	.5	.6	.7	.9	.9	.7	.8
90. *	.7	.4	.5	.7	1.1	.9	.6	.7
95. *	.7	.3	.4	.7	1.1	1.0	.7	.6
100. *	.6	.3	.4	.6	1.0	1.0	.8	.8
105. *	.7	.3	.4	.5	1.2	1.0	.8	.7
110. *	.6	.3	.4	.5	1.1	.8	.8	.7
115. *	.7	.1	.3	.5	1.2	1.0	.9	.8
120. *	.6	.1	.3	.6	1.2	1.1	.9	.8
125. *	.5	.1	.4	.4	1.2	.9	1.0	.8
130. *	.5	.1	.3	.5	1.1	1.0	.9	1.0
135. *	.5	.1	.3	.4	1.2	1.0	.8	1.1
140. *	.4	.1	.1	.3	1.1	.9	1.0	.9
145. *	.4	.1	.0	.3	.9	.7	.9	.9
150. *	.4	.0	.0	.1	.7	.8	.8	.8
155. *	.4	.0	.0	.0	.7	.6	.7	.5
160. *	.4	.0	.0	.0	.4	.3	.4	.3
165. *	.5	.0	.0	.0	.2	.2	.2	.2
170. *	.5	.0	.0	.0	.2	.2	.1	.1
175. *	.5	.0	.0	.0	.2	.1	.1	.1
180. *	.5	.0	.0	.0	.1	.1	.1	.0
185. *	.4	.0	.0	.0	.1	.1	.0	.0
190. *	.4	.0	.0	.0	.1	.0	.0	.0
195. *	.4	.0	.1	.0	.0	.0	.0	.0
200. *	.5	.0	.1	.0	.0	.0	.0	.0
205. *	.5	.0	.1	.0	.0	.0	.0	.0

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JOB: S8 Lombard & President EXPM RUN: Site 8 Existing PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.6	.0	.1	.0	.0	.0	.0	.0
215. *	.5	.0	.1	.0	.0	.0	.0	.0
220. *	.5	.0	.1	.1	.0	.0	.0	.0
225. *	.6	.0	.1	.1	.0	.0	.0	.0
230. *	.6	.0	.1	.1	.0	.0	.0	.0
235. *	.6	.0	.3	.1	.1	.0	.0	.0
240. *	.7	.1	.3	.2	.1	.0	.0	.0
245. *	.8	.2	.4	.4	.1	.0	.0	.0
250. *	.7	.2	.6	.4	.4	.0	.0	.0

255.	*	.7	.5	.7	.6	.6	.0	.0	.0
260.	*	.6	.5	.8	.8	.6	.0	.0	.0
265.	*	.6	.6	.9	.8	.8	.2	.0	.0
270.	*	.5	.7	.9	.9	.7	.3	.0	.0
275.	*	.4	.8	.9	.8	.6	.3	.0	.0
280.	*	.3	.7	.8	.7	.5	.3	.2	.0
285.	*	.2	.7	.6	.6	.5	.3	.2	.0
290.	*	.0	.7	.6	.5	.5	.2	.2	.0
295.	*	.0	.6	.6	.5	.6	.2	.1	.1
300.	*	.0	.7	.6	.5	.5	.3	.1	.1
305.	*	.0	.6	.5	.5	.6	.2	.1	.1
310.	*	.0	.6	.5	.5	.7	.2	.1	.2
315.	*	.0	.6	.5	.5	.7	.3	.3	.2
320.	*	.0	.5	.5	.5	.7	.5	.4	.2
325.	*	.0	.5	.5	.5	1.0	.5	.6	.5
330.	*	.0	.5	.5	.5	1.2	.9	.7	.6
335.	*	.0	.5	.5	.5	1.6	1.1	.8	.8
340.	*	.0	.5	.5	.6	1.8	1.4	1.0	1.0
345.	*	.0	.4	.5	.8	1.9	1.4	1.1	1.2
350.	*	.0	.4	.6	1.0	1.9	1.2	1.3	1.1
355.	*	.0	.5	.6	1.1	1.9	1.2	1.3	1.4
360.	*	.0	.5	.7	1.1	1.5	1.2	1.3	1.2
MAX	*	.8	1.1	1.2	1.4	1.9	1.4	1.4	1.4
DEGR.	*	80	60	45	5	345	30	5	355

THE HIGHEST CONCENTRATION IS 2.50 PPM AT 140 DEGREES FROM REC16.
THE 2ND HIGHEST CONCENTRATION IS 2.30 PPM AT 210 DEGREES FROM REC10.
THE 3RD HIGHEST CONCENTRATION IS 2.30 PPM AT 130 DEGREES FROM REC17.

```
S8 Lombard & President NBAM21           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1661.     1054.       5.0
SE 164 S                 1607.     1165.       5.0
SE 82 S                  1570.     1238.       5.0
SE CNR                   1534.     1312.       5.0
SE 82 E                  1607.     1350.       5.0
SE 164 E                 1680.     1387.       5.0
SE MID E                 1808.     1440.       5.0
NE MID E                 1762.     1504.       5.0
NE 164  E                1657.     1430.       5.0
NE 82  E                 1583.     1395.       5.0
NE CNR                   1511.     1367.       5.0
NE 82 N                  1473.     1435.       5.0
NE 164 N                 1436.     1510.       5.0
NE MID N                 1378.     1629.       5.0
NW MID N                 1254.     1606.       5.0
NW 164 N                 1319.     1466.       5.0
NW 82 N                  1344.     1387.       5.0
NW CNR                   1366.     1316.       5.0
NW 82 W                  1299.     1289.       5.0
NW 164 W                 1221.     1264.       5.0
NW MID W                 1051.     1231.       5.0
SW MID W                 1046.     1148.       5.0
SW 164 W                 1257.     1201.       5.0
SW 82 W                  1338.     1224.       5.0
SW CNR                   1416.     1244.       5.0
SW 82 S                  1452.     1169.       5.0
SW 164 S                 1487.     1094.       5.0
SW MID S                 1524.     1013.       5.0
Site 8 No Build AM 2021                  36  1   0
  1
WB        Lom ap    AG  2349.  1748.  1969.  1554.    805. 8.1   0  44   30.
  1
WB        Lom ap1   AG  1969.  1554.  1855.  1537.    402. 8.1   0  44   30.
  1
WB        Lom ap1   AG  1855.  1537.  1793.  1506.    402. 8.1   0  44   30.
  1
WB        Lom ap1   AG  1793.  1506.  1719.  1436.    402. 8.1   0  44   30.
  1
WB        Lom ap2   AG  1969.  1554.  1888.  1494.    403. 8.1   0  32   30.
  1
WB        Lom ap2   AG  1888.  1494.  1831.  1463.    403. 8.1   0  32   30.
  1
WB        Lom ap2   AG  1831.  1463.  1719.  1436.    403. 8.1   0  32   30.
  1
WB        Lom ap3   AG  1719.  1436.  1501.  1326.    805. 8.1   0  56   30.
  2
WB        Lom ap    AG  1535.  1343.  1688.  1421.      0.  36   3
       140       105       2.0  805   43.6 1386 1 3
  1
WB        Lom dep   AG  1501.  1326.  1347.  1267.   2325. 8.1   0  68   30.
  1
WB        Lom dep   AG  1347.  1267.  1160.  1201.   2325. 8.1   0  68   30.
  1
WB        Lom dep   AG  1160.  1201.  1011.  1183.   2325. 8.1   0  92   30.
  1
WB        Lom dep   AG  1011.  1183.   807.  1176.   2325. 8.1   0  80   30.
  1
WB        Lom dep   AG   807.  1176.   465.  1161.   2325. 8.1   0  80   30.
  1
NB        Pres ap   AG  1934.   426.  1839.   622.   2520. 8.1   0  56   35.
  1
NB        Pres ap   AG  1839.   622.  1721.   844.   2520. 8.1   0  68   35.
  1
NB        Pres ap   AG  1721.   844.  1639.  1016.   2520. 8.1   0  68   35.
  1
NB        Pres thru AG  1639.  1016.  1591.  1125.   1635. 8.1   0  56   35.
  1
NB        Pres thru AG  1591.  1125.  1503.  1304.   1635. 8.1   0  56   35.
  2
NB        Pres ap   AG  1519.  1271.  1579.  1151.      0.  36   3
       140        44       2.0 1635   43.6 1552 1 3
  1
NB        Pres left AG  1639.  1016.  1569.  1111.    885. 8.1   0  44   35.
  1
NB        Pres left AG  1569.  1111.  1480.  1294.    885. 8.1   0  44   35.
  2
NB        Pres left AG  1498.  1258.  1556.  1138.      0.  24   2
       140       104       2.0  885   43.6 1653 1 3
  1
NB        Pres dep  AG  1503.  1304.  1326.  1668.   1755. 8.1   0  56   35.
```

```
  1
NB        Pres dep  AG  1326.  1668.  1181.  1944.   1755. 8.1   0  68   35.
  1
NB        Pres dep  AG  1181.  1944.  1024.  2203.   1755. 8.1   0  68   35.
  1
SB        Pres ap   AG   950.  2164.  1048.  2012.   1795. 8.1   0  56   35.
  1
SB        Pres ap   AG  1048.  2012.  1181.  1795.   1795. 8.1   0  56   35.
  1
SB        Pres ap   AG  1181.  1795.  1272.  1632.   1795. 8.1   0  56   35.
  1
SB        Pres ap   AG  1272.  1632.  1347.  1477.   1795. 8.1   0  56   35.
  1
SB        Pres ap   AG  1347.  1477.  1412.  1304.   1795. 8.1   0  68   35.
  2
SB        Pres ap   AG  1398.  1342.  1351.  1464.      0.  48   4
       140        84       2.0 1795   43.6 1376 1 3
  1
SB        Pres dep  AG  1412.  1304.  1468.  1205.   1040. 8.1   0  56   35.
  1
SB        Pres dep  AG  1468.  1205.  1648.   829.   1040. 8.1   0  56   35.
  1
SB        Pres dep  AG  1648.   829.  1773.   581.   1040. 8.1   0  56   35.
  1
SB        Pres dep  AG  1773.   581.  1867.   393.   1040. 8.1   0  56   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S8 Lombard & President NBAM21 RUN: Site 8 No Build AM 2021
DATE: 09/07/2012 TIME: 11:05:28.63

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION			*	LINK COORDINATES (FT)				*	LENGTH	BRG	TYPE	VPH	EF	H	W	V/C	QUEUE
			*	X1	Y1	X2	Y2	*	(FT)	(DEG)			(G/MI)	(FT)	(FT)		(VEH)
1.	WB	Lom ap	*	2349.0	1748.0	1969.0	1554.0	*	427.	243.	AG	805.	8.1	.0	44.0		
2.	WB	Lom ap1	*	1969.0	1554.0	1855.0	1537.0	*	115.	262.	AG	402.	8.1	.0	44.0		
3.	WB	Lom ap1	*	1855.0	1537.0	1793.0	1506.0	*	69.	243.	AG	402.	8.1	.0	44.0		
4.	WB	Lom ap1	*	1793.0	1506.0	1719.0	1436.0	*	102.	227.	AG	402.	8.1	.0	44.0		
5.	WB	Lom ap2	*	1969.0	1554.0	1888.0	1494.0	*	101.	233.	AG	403.	8.1	.0	32.0		
6.	WB	Lom ap2	*	1888.0	1494.0	1831.0	1463.0	*	65.	241.	AG	403.	8.1	.0	32.0		
7.	WB	Lom ap2	*	1831.0	1463.0	1719.0	1436.0	*	115.	256.	AG	403.	8.1	.0	32.0		
8.	WB	Lom ap3	*	1719.0	1436.0	1501.0	1326.0	*	244.	243.	AG	805.	8.1	.0	56.0		
9.	WB	Lom ap	*	1535.0	1343.0	1696.3	1425.2	*	181.	63.	AG	263.	100.0	.0	36.0	.88	9.2
10.	WB	Lom dep	*	1501.0	1326.0	1347.0	1267.0	*	165.	249.	AG	2325.	8.1	.0	68.0		
11.	WB	Lom dep	*	1347.0	1267.0	1160.0	1201.0	*	198.	251.	AG	2325.	8.1	.0	68.0		
12.	WB	Lom dep	*	1160.0	1201.0	1011.0	1183.0	*	150.	263.	AG	2325.	8.1	.0	92.0		
13.	WB	Lom dep	*	1011.0	1183.0	807.0	1176.0	*	204.	268.	AG	2325.	8.1	.0	80.0		
14.	WB	Lom dep	*	807.0	1176.0	465.0	1161.0	*	342.	267.	AG	2325.	8.1	.0	80.0		
15.	NB	Pres ap	*	1934.0	426.0	1839.0	622.0	*	218.	334.	AG	2520.	8.1	.0	56.0		
16.	NB	Pres ap	*	1839.0	622.0	1721.0	844.0	*	251.	332.	AG	2520.	8.1	.0	68.0		
17.	NB	Pres ap	*	1721.0	844.0	1639.0	1016.0	*	191.	335.	AG	2520.	8.1	.0	68.0		
18.	NB	Pres thru	*	1639.0	1016.0	1591.0	1125.0	*	119.	336.	AG	1635.	8.1	.0	56.0		
19.	NB	Pres thru	*	1591.0	1125.0	1503.0	1304.0	*	199.	334.	AG	1635.	8.1	.0	56.0		
20.	NB	Pres ap	*	1519.0	1271.0	1577.6	1153.7	*	131.	153.	AG	110.	100.0	.0	36.0	.53	6.7
21.	NB	Pres left	*	1639.0	1016.0	1569.0	1111.0	*	118.	324.	AG	885.	8.1	.0	44.0		
22.	NB	Pres left	*	1569.0	1111.0	1480.0	1294.0	*	203.	334.	AG	885.	8.1	.0	44.0		
23.	NB	Pres left	*	1498.0	1258.0	1933.9	356.2	*	1002.	154.	AG	174.	100.0	.0	24.0	1.17	50.9
24.	NB	Pres dep	*	1503.0	1304.0	1326.0	1668.0	*	405.	334.	AG	1755.	8.1	.0	56.0		
25.	NB	Pres dep	*	1326.0	1668.0	1181.0	1944.0	*	312.	332.	AG	1755.	8.1	.0	68.0		
26.	NB	Pres dep	*	1181.0	1944.0	1024.0	2203.0	*	303.	329.	AG	1755.	8.1	.0	68.0		
27.	SB	Pres ap	*	950.0	2164.0	1048.0	2012.0	*	181.	147.	AG	1795.	8.1	.0	56.0		
28.	SB	Pres ap	*	1048.0	2012.0	1181.0	1795.0	*	255.	148.	AG	1795.	8.1	.0	56.0		
29.	SB	Pres ap	*	1181.0	1795.0	1272.0	1632.0	*	187.	151.	AG	1795.	8.1	.0	56.0		
30.	SB	Pres ap	*	1272.0	1632.0	1347.0	1477.0	*	172.	154.	AG	1795.	8.1	.0	56.0		

```
      31. SB        Pres ap   *   1347.0    1477.0    1412.0    1304.0 *     185.   159. AG   1795.   8.1
.0 68.0
      32. SB        Pres ap   *   1398.0    1342.0    1314.6    1558.6 *     232.   339. AG    281. 100.0
.0 48.0  .88  11.8
      33. SB        Pres dep  *   1412.0    1304.0    1468.0    1205.0 *     114.   151. AG   1040.   8.1
.0 56.0
      34. SB        Pres dep  *   1468.0    1205.0    1648.0     829.0 *     417.   154. AG   1040.   8.1
.0 56.0
      35. SB        Pres dep  *   1648.0     829.0    1773.0     581.0 *     278.   153. AG   1040.   8.1
.0 56.0
      36. SB        Pres dep  *   1773.0     581.0    1867.0     393.0 *     210.   153. AG   1040.   8.1
.0 56.0
1

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      JOB: S8 Lombard & President NBAM21                        RUN: Site 8 No Build AM 2021
      DATE: 09/07/2012   TIME: 11:05:28.63

       ADDITIONAL QUEUE LINK PARAMETERS
       --------------------------------
         LINK DESCRIPTION     *   CYCLE    RED     CLEARANCE  APPROACH  SATURATION   IDLE   SIGNAL   ARRIVAL
                              *   LENGTH   TIME    LOST TIME    VOL     FLOW RATE   EM FAC   TYPE     RATE
                              *    (SEC)   (SEC)    (SEC)      (VPH)      (VPH)    (gm/hr)
      ------------------------*-------------------------------------------------------------------------------
--
       9. WB        Lom ap    *    140      105       2.0       805       1386      43.60      1        3
      20. NB        Pres ap   *    140       44       2.0      1635       1552      43.60      1        3
      23. NB        Pres left *    140      104       2.0       885       1653      43.60      1        3
      32. SB        Pres ap   *    140       84       2.0      1795       1376      43.60      1        3

       RECEPTOR LOCATIONS
       ------------------
                                 *          COORDINATES (FT)          *
         RECEPTOR                *      X          Y          Z       *
     -------------------------*-----------------------------------*
      1. SE MID S              *      1661.0     1054.0        5.0   *
      2. SE 164 S              *      1607.0     1165.0        5.0   *
      3. SE 82 S               *      1570.0     1238.0        5.0   *
      4. SE CNR                *      1534.0     1312.0        5.0   *
      5. SE 82 E               *      1607.0     1350.0        5.0   *
      6. SE 164 E              *      1680.0     1387.0        5.0   *
      7. SE MID E              *      1808.0     1440.0        5.0   *
      8. NE MID E              *      1762.0     1504.0        5.0   *
      9. NE 164  E             *      1657.0     1430.0        5.0   *
     10. NE 82  E              *      1583.0     1395.0        5.0   *
     11. NE CNR                *      1511.0     1367.0        5.0   *
     12. NE 82 N               *      1473.0     1435.0        5.0   *
     13. NE 164 N              *      1436.0     1510.0        5.0   *
     14. NE MID N              *      1378.0     1629.0        5.0   *
     15. NW MID N              *      1254.0     1606.0        5.0   *
     16. NW 164 N              *      1319.0     1466.0        5.0   *
     17. NW 82 N               *      1344.0     1387.0        5.0   *
     18. NW CNR                *      1366.0     1316.0        5.0   *
     19. NW 82 W               *      1299.0     1289.0        5.0   *
     20. NW 164 W              *      1221.0     1264.0        5.0   *
     21. NW MID W              *      1051.0     1231.0        5.0   *
     22. SW MID W              *      1046.0     1148.0        5.0   *
     23. SW 164 W              *      1257.0     1201.0        5.0   *
     24. SW 82 W               *      1338.0     1224.0        5.0   *
     25. SW CNR                *      1416.0     1244.0        5.0   *
     26. SW 82 S               *      1452.0     1169.0        5.0   *
     27. SW 164 S              *      1487.0     1094.0        5.0   *
     28. SW MID S              *      1524.0     1013.0        5.0   *
1

PAGE  3
      JOB: S8 Lombard & President NBAM21                        RUN: Site 8 No Build AM 2021

       MODEL RESULTS
       -------------

       REMARKS : In search of the angle corresponding to
                 the maximum concentration, only the first
                 angle, of the angles with same maximum
                 concentrations, is indicated as maximum.

 WIND ANGLE RANGE:   0.-360.

 WIND  * CONCENTRATION
 ANGLE *      (PPM)
```

(DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.1	.4	.4	.7	1.0	.9	.1	.0	.0	.0	.0	.1	.1	.1	.9	1.7	1.8	1.7	.6	.2
5.	*	.1	.3	.4	.7	1.0	.9	.1	.0	.0	.0	.0	.1	.1	.0	.8	1.8	1.9	1.6	.7	.4
10.	*	.1	.3	.4	.7	1.0	.8	.1	.0	.0	.0	.0	.0	.1	.0	.8	1.8	1.7	1.5	.6	.3
15.	*	.0	.1	.4	.8	1.1	.8	.1	.0	.0	.0	.0	.0	.0	.0	.8	1.8	1.7	1.5	.6	.3
20.	*	.0	.1	.4	.9	1.1	.8	.1	.0	.0	.0	.0	.0	.0	.0	.7	1.8	1.7	1.4	.8	.4
25.	*	.0	.1	.4	1.0	1.2	.7	.1	.0	.0	.0	.0	.0	.0	.0	.7	1.7	1.5	1.4	.7	.5
30.	*	.0	.1	.3	1.1	1.2	.7	.1	.0	.0	.0	.0	.0	.0	.0	.7	1.6	1.5	1.2	.7	.5
35.	*	.0	.0	.3	1.1	1.2	.7	.1	.0	.1	.1	.0	.0	.0	.0	.7	1.6	1.4	1.2	.7	.4
40.	*	.0	.0	.2	1.1	1.2	.6	.2	.0	.2	.2	.0	.0	.0	.0	.8	1.6	1.4	1.1	.6	.4
45.	*	.0	.0	.1	1.2	1.1	.6	.2	.1	.2	.2	.1	.0	.0	.0	.7	1.5	1.4	1.2	.6	.5
50.	*	.0	.0	.1	1.1	1.0	.5	.3	.1	.2	.3	.2	.0	.0	.0	.7	1.4	1.4	1.1	.7	.5
55.	*	.0	.0	.0	1.0	.8	.4	.3	.2	.2	.5	.3	.0	.0	.0	.7	1.4	1.4	1.1	.7	.6
60.	*	.0	.0	.0	.8	.7	.3	.3	.3	.3	.6	.4	.0	.0	.0	.7	1.6	1.4	1.1	.9	.7
65.	*	.0	.0	.0	.7	.6	.2	.3	.3	.6	.8	.6	.0	.0	.0	.7	1.6	1.4	1.3	.9	.7
70.	*	.0	.0	.0	.5	.3	.1	.3	.3	.6	.9	.8	.0	.0	.0	.7	1.5	1.6	1.3	1.1	.9
75.	*	.0	.0	.0	.3	.3	.1	.1	.3	.8	1.1	.9	.0	.0	.0	.7	1.6	1.5	1.4	1.1	1.0
80.	*	.0	.0	.0	.2	.2	.1	.0	.3	.8	1.2	1.1	.1	.0	.0	.6	1.5	1.5	1.4	1.1	.9
85.	*	.0	.0	.0	.2	.2	.0	.0	.2	.8	1.3	1.1	.1	.0	.0	.7	1.5	1.7	1.3	1.1	.9
90.	*	.0	.0	.0	.0	.0	.0	.0	.2	.8	1.3	1.1	.3	.0	.0	.7	1.5	1.7	1.4	1.2	1.0
95.	*	.0	.0	.0	.0	.0	.0	.0	.2	.8	1.3	1.0	.3	.0	.0	.7	1.7	1.8	1.3	1.0	1.1
100.	*	.0	.0	.0	.0	.0	.0	.0	.1	.9	1.3	.9	.4	.1	.0	.8	1.7	1.8	1.4	1.1	.9
105.	*	.0	.0	.0	.0	.0	.0	.0	.1	.9	1.3	.9	.4	.1	.0	.8	1.7	1.7	1.4	1.2	.9
110.	*	.0	.0	.0	.0	.0	.0	.0	.1	.9	1.1	.9	.4	.1	.0	.9	1.8	1.9	1.3	1.1	1.0
115.	*	.0	.0	.0	.0	.0	.0	.0	.1	1.0	1.1	.8	.4	.3	.0	1.2	1.8	1.8	1.4	1.2	.8
120.	*	.0	.0	.0	.0	.0	.0	.0	.1	1.0	1.1	.7	.4	.4	.2	1.3	1.9	1.7	1.5	1.1	.9
125.	*	.0	.0	.0	.1	.0	.0	.0	.1	1.0	1.0	.7	.5	.4	.2	1.2	2.0	2.0	1.6	1.1	.9
130.	*	.1	.0	.1	.1	.0	.0	.0	.1	1.0	1.0	.6	.5	.4	.2	1.4	2.1	2.0	1.5	1.0	.8
135.	*	.1	.0	.1	.1	.0	.0	.0	.2	1.0	1.0	.6	.4	.4	.2	1.6	2.0	2.1	1.4	1.0	.7
140.	*	.3	.3	.2	.2	.0	.0	.0	.2	1.0	1.0	.7	.6	.5	.3	1.7	2.2	1.9	1.4	1.0	.6
145.	*	.4	.4	.6	.5	.0	.0	.0	.2	1.1	1.0	.8	.7	.7	.5	1.5	2.3	1.8	1.2	.7	.6
150.	*	.6	.8	.8	.9	.0	.0	.0	.2	1.1	1.1	1.1	1.0	.6	.6	1.4	2.1	1.5	1.1	.7	.5
155.	*	.9	.8	.9	1.2	.1	.0	.0	.2	1.1	1.1	1.2	1.2	.9	.9	1.3	1.6	1.1	1.0	.7	.5
160.	*	1.1	1.0	1.1	1.4	.3	.1	.0	.2	1.2	1.3	1.7	1.5	1.1	1.1	1.0	1.4	1.0	.9	.6	.6
165.	*	1.3	1.1	1.5	1.6	.4	.2	.0	.2	1.2	1.4	1.5	1.4	1.1	1.1	.9	1.1	.7	.7	.6	.6
170.	*	1.3	1.3	1.6	1.6	.5	.3	.0	.3	1.3	1.4	1.5	1.3	1.1	1.2	.6	.8	.6	.5	.5	.5
175.	*	1.3	1.3	1.5	1.5	.6	.3	.1	.3	1.2	1.7	1.4	1.2	1.2	1.2	.3	.6	.4	.5	.5	.5
180.	*	1.4	1.2	1.7	1.4	.6	.2	.2	.3	1.3	1.6	1.4	1.2	1.1	1.3	.2	.5	.3	.6	.5	.5
185.	*	1.1	1.1	1.5	1.3	.6	.2	.2	.4	1.3	1.7	1.3	1.1	1.1	1.4	.2	.3	.4	.5	.5	.5

190. * 1.0 1.1 1.3 1.3 .5 .4 .2 .4 1.4 1.8 1.4 1.0 1.1 1.3 .2 .4
.4 .6 .6 .5
195. * 1.2 1.0 1.3 1.3 .7 .4 .2 .3 1.5 1.8 1.2 1.0 1.2 1.3 .3 .4
.3 .6 .6 .5
200. * 1.1 .9 1.3 1.1 .7 .3 .2 .3 1.6 1.7 1.3 1.1 1.2 1.3 .2 .4
.2 .7 .6 .6
205. * 1.1 1.0 1.2 1.0 .7 .4 .1 .4 1.8 1.9 1.2 1.1 1.3 1.3 .1 .4
.3 .6 .6 .6
1

PAGE 4
JOB: S8 Lombard & President NBAM21 RUN: Site 8 No Build AM 2021

WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16
REC17 REC18 REC19 REC20
------*----------
210. * 1.0 1.1 1.2 1.1 .7 .4 .1 .6 1.7 1.8 1.1 1.1 1.3 1.1 .1 .3
.3 .7 .6 .6
215. * 1.0 1.0 1.2 1.0 .6 .4 .1 .6 1.7 1.6 1.1 1.1 1.1 .9 .1 .3
.3 .7 .7 .7
220. * 1.0 1.0 1.2 .9 .6 .6 .2 .7 1.7 1.7 1.2 1.1 1.1 .8 .1 .2
.3 .6 .8 .7
225. * 1.0 1.0 1.2 .8 .7 .5 .2 .7 1.7 1.4 1.2 1.1 1.2 .8 .1 .2
.3 .7 .8 .6
230. * 1.0 1.0 1.2 .8 .9 .7 .3 .7 1.7 1.4 1.3 1.2 1.2 .7 .1 .2
.2 .8 .7 .7
235. * 1.1 1.0 1.2 1.0 .8 .8 .4 .7 1.6 1.4 1.3 1.1 1.0 .7 .1 .2
.3 .8 .7 .8
240. * 1.0 1.0 1.2 1.2 1.1 .9 .5 .8 1.4 1.3 1.3 1.3 1.2 .8 .1 .2
.3 .7 .9 .7
245. * 1.0 1.0 1.2 1.2 1.1 1.1 .6 .8 1.4 1.2 1.3 1.3 1.1 .7 .0 .2
.3 .7 .8 .7
250. * 1.0 1.1 1.4 1.6 1.2 1.3 .8 .6 1.2 1.0 1.3 1.1 1.1 .7 .0 .1
.3 .7 .8 .7
255. * 1.0 1.1 1.4 1.6 1.4 1.6 .8 .4 1.0 .9 1.3 1.0 1.0 .6 .0 .0
.2 .6 .6 .6
260. * 1.0 1.1 1.5 1.6 1.5 1.7 .9 .3 .7 .9 1.1 1.0 1.1 .7 .0 .0
.1 .5 .5 .5
265. * 1.0 1.2 1.5 1.4 1.6 1.7 .8 .2 .7 .8 .9 1.0 1.0 .7 .0 .0
.0 .3 .5 .4
270. * 1.0 1.3 1.4 1.4 1.6 1.7 .6 .2 .6 .6 1.0 1.0 1.0 .6 .0 .0
.0 .1 .4 .4
275. * 1.0 1.3 1.4 1.3 1.7 1.7 .7 .2 .6 .5 .9 1.0 1.0 .6 .0 .0
.0 .0 .1 .2
280. * 1.0 1.3 1.4 1.5 1.7 1.6 .6 .2 .6 .5 .9 1.2 1.0 .8 .0 .0
.0 .0 .1 .0
285. * 1.1 1.6 1.5 1.4 1.6 1.6 .5 .1 .4 .6 1.1 1.1 1.0 .8 .0 .0
.0 .0 .1 .0
290. * 1.1 1.7 1.5 1.5 1.5 1.4 .3 .1 .3 .6 1.1 1.1 .9 .7 .0 .0
.0 .0 .1 .0
295. * 1.3 1.6 1.7 1.5 1.6 1.4 .3 .1 .3 .6 1.2 1.1 1.0 .8 .0 .1
.0 .0 .1 .0
300. * 1.3 1.7 1.5 1.5 1.6 1.3 .2 .1 .2 .5 1.1 1.2 1.0 .9 .0 .2
.0 .0 .0 .0
305. * 1.3 1.7 1.4 1.5 1.5 1.2 .2 .1 .2 .4 1.0 1.1 1.0 .9 .1 .2
.1 .0 .0 .0
310. * 1.5 1.6 1.4 1.5 1.4 1.2 .2 .0 .2 .5 1.1 1.0 1.0 1.0 .1 .2
.1 .0 .0 .0
315. * 1.6 1.5 1.4 1.4 1.5 1.2 .2 .0 .1 .3 1.1 1.1 1.0 .8 .1 .2
.1 .1 .0 .0
320. * 1.3 1.6 1.4 1.3 1.2 1.1 .2 .0 .1 .2 1.1 1.0 1.0 1.0 .3 .4
.2 .2 .0 .0
325. * 1.3 1.3 1.3 1.3 1.2 1.0 .2 .0 .0 .2 .9 1.0 .9 1.0 .4 .6
.3 .2 .0 .0
330. * 1.0 1.2 1.2 1.0 1.2 1.0 .2 .0 .0 .1 .8 .7 .9 .7 .7 .8
.6 .4 .0 .0
335. * .9 .9 1.0 .9 1.0 1.0 .1 .0 .0 .0 .5 .5 .5 .6 .8 1.0
1.0 .8 .0 .0
340. * .5 .6 .6 .7 1.0 1.0 .1 .0 .0 .0 .4 .4 .4 .5 .9 1.4
1.3 1.1 .0 .0
345. * .4 .5 .5 .6 1.0 1.0 .1 .0 .0 .0 .2 .3 .3 .3 .9 1.5
1.4 1.4 .4 .0
350. * .3 .5 .5 .6 1.0 .9 .1 .0 .0 .0 .1 .2 .2 .2 1.0 1.6
1.6 1.4 .4 .0
355. * .1 .4 .5 .6 1.0 .9 .1 .0 .0 .0 .1 .1 .1 .2 1.0 1.7
1.7 1.5 .4 .1
360. * .1 .4 .4 .7 1.0 .9 .1 .0 .0 .0 .0 .1 .1 .1 .9 1.7
1.8 1.7 .6 .2

```
 ------*-------------------------------------------------------------------------------------------------------------
-------------------
 MAX   *   1.6   1.7   1.7   1.6   1.7   1.7    .9    .8   1.8   1.9   1.7   1.5   1.3   1.4   1.7   2.3
2.1   1.7   1.2   1.1
 DEGR. *  315   300   295   250   275   260   260   240   205   205   160   160   205   185   140   145   135
0   105    95

1
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JOB: S8 Lombard & President NBAM21 RUN: Site 8 No Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.5	.8	1.3	1.5	.9	1.0	1.1
5.	.0	.5	.9	1.3	1.4	.9	1.0	1.1
10.	.0	.5	1.1	1.3	1.3	.9	1.1	1.0
15.	.0	.5	1.1	1.2	1.2	1.0	1.1	1.0
20.	.1	.5	1.1	1.3	1.1	1.1	1.0	1.0
25.	.1	.6	1.0	1.1	1.1	1.0	1.0	1.0
30.	.1	.7	1.2	1.1	1.1	1.2	1.0	.9
35.	.3	.8	1.2	1.0	1.2	1.2	1.0	.8
40.	.4	.9	1.2	1.2	1.2	1.2	.9	.7
45.	.3	.9	1.1	1.2	1.2	1.1	.8	.7
50.	.3	1.0	1.2	1.0	1.3	.9	.8	.7
55.	.4	1.1	1.2	1.1	1.2	1.0	.9	.8
60.	.4	1.2	1.0	1.2	1.2	.9	.9	.8
65.	.5	1.1	1.0	1.0	1.1	.9	.8	.8
70.	.8	.9	.9	.7	1.1	.9	.8	.8
75.	.9	.8	1.0	.7	1.0	.9	.8	.8
80.	.7	.7	.7	.8	1.0	.9	.8	.7
85.	.8	.6	.5	.6	.8	.9	.6	.7
90.	.8	.5	.4	.6	.9	.9	.8	.8
95.	.8	.5	.4	.6	.9	.9	.8	.8
100.	.8	.3	.4	.6	.9	.9	.8	.8
105.	.8	.3	.3	.6	.9	.8	.9	.8
110.	.8	.2	.3	.5	1.0	.9	.9	.8
115.	.7	.2	.4	.5	1.1	1.1	.9	.9
120.	.7	.2	.4	.5	1.1	1.1	1.0	1.0
125.	.7	.2	.4	.4	1.2	1.0	1.1	1.0
130.	.6	.2	.5	.4	1.1	1.1	1.1	.9
135.	.6	.1	.2	.5	1.2	1.1	1.0	.9
140.	.5	.1	.1	.5	1.0	1.0	1.0	1.0
145.	.5	.1	.1	.3	.9	.8	.8	.9
150.	.5	.1	.0	.2	.8	.7	.8	.7
155.	.5	.0	.0	.1	.6	.6	.5	.5
160.	.5	.0	.0	.0	.4	.3	.3	.4
165.	.5	.0	.0	.0	.3	.2	.1	.1
170.	.5	.0	.0	.0	.2	.1	.1	.1
175.	.5	.0	.0	.0	.1	.1	.1	.1
180.	.5	.0	.0	.0	.0	.1	.0	.0
185.	.5	.0	.0	.0	.0	.0	.0	.0
190.	.5	.0	.1	.0	.0	.0	.0	.0
195.	.6	.0	.1	.0	.0	.0	.0	.0
200.	.5	.0	.1	.0	.0	.0	.0	.0
205.	.5	.0	.1	.0	.0	.0	.0	.0

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JOB: S8 Lombard & President NBAM21 RUN: Site 8 No Build AM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.6	.0	.1	.0	.0	.0	.0	.0
215.	.6	.0	.1	.1	.0	.0	.0	.0

220.	*	.7	.0	.1	.1	.0	.0	.0	.0
225.	*	.7	.0	.1	.1	.0	.0	.0	.0
230.	*	.6	.0	.1	.1	.0	.0	.0	.0
235.	*	.7	.0	.3	.1	.1	.0	.0	.0
240.	*	.8	.1	.3	.3	.1	.0	.0	.0
245.	*	.8	.2	.4	.4	.3	.0	.0	.0
250.	*	.8	.3	.7	.6	.4	.0	.0	.0
255.	*	.9	.5	.8	.8	.6	.0	.0	.0
260.	*	.9	.6	.9	.9	.8	.1	.0	.0
265.	*	.7	.7	1.0	.9	.9	.4	.0	.0
270.	*	.5	.8	1.1	.9	.9	.4	.0	.0
275.	*	.4	.9	1.0	1.0	.8	.5	.3	.0
280.	*	.3	1.0	1.0	.8	.6	.4	.3	.0
285.	*	.2	.9	.9	.7	.6	.3	.2	.0
290.	*	.1	.9	.7	.6	.6	.2	.2	.1
295.	*	.0	.9	.7	.6	.6	.2	.2	.2
300.	*	.0	.7	.7	.6	.5	.3	.1	.1
305.	*	.0	.7	.6	.6	.6	.3	.1	.1
310.	*	.0	.6	.6	.6	.7	.2	.1	.1
315.	*	.0	.6	.5	.5	.8	.2	.2	.2
320.	*	.0	.7	.5	.5	.8	.6	.4	.2
325.	*	.0	.6	.5	.5	1.0	.6	.5	.4
330.	*	.0	.6	.6	.5	1.3	.6	.5	.5
335.	*	.0	.5	.6	.5	1.6	1.0	.8	.6
340.	*	.0	.6	.6	.7	1.7	1.3	.9	.8
345.	*	.0	.5	.6	.8	1.8	1.3	.9	1.0
350.	*	.0	.5	.6	1.1	1.8	1.0	.9	.9
355.	*	.0	.5	.6	1.3	1.7	1.0	1.1	1.1
360.	*	.0	.5	.8	1.3	1.5	.9	1.0	1.1
MAX	*	.9	1.2	1.2	1.3	1.8	1.3	1.1	1.1
DEGR.	*	75	60	30	0	345	340	355	355

THE HIGHEST CONCENTRATION IS 2.30 PPM AT 145 DEGREES FROM REC16.
THE 2ND HIGHEST CONCENTRATION IS 2.10 PPM AT 135 DEGREES FROM REC17.
THE 3RD HIGHEST CONCENTRATION IS 1.90 PPM AT 205 DEGREES FROM REC10.

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S8 Lombard & President NBAM35           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1661.     1054.       5.0
SE 164 S                 1607.     1165.       5.0
SE 82 S                  1570.     1238.       5.0
SE CNR                   1534.     1312.       5.0
SE 82 E                  1607.     1350.       5.0
SE 164 E                 1680.     1387.       5.0
SE MID E                 1808.     1440.       5.0
NE MID E                 1762.     1504.       5.0
NE 164  E                1657.     1430.       5.0
NE 82  E                 1583.     1395.       5.0
NE CNR                   1511.     1367.       5.0
NE 82 N                  1473.     1435.       5.0
NE 164 N                 1436.     1510.       5.0
NE MID N                 1378.     1629.       5.0
NW MID N                 1254.     1606.       5.0
NW 164 N                 1319.     1466.       5.0
NW 82 N                  1344.     1387.       5.0
NW CNR                   1366.     1316.       5.0
NW 82 W                  1299.     1289.       5.0
NW 164 W                 1221.     1264.       5.0
NW MID W                 1051.     1231.       5.0
SW MID W                 1046.     1148.       5.0
SW 164 W                 1257.     1201.       5.0
SW 82 W                  1338.     1224.       5.0
SW CNR                   1416.     1244.       5.0
SW 82 S                  1452.     1169.       5.0
SW 164 S                 1487.     1094.       5.0
SW MID S                 1524.     1013.       5.0
Site 8 No Build AM 2035                  36  1   0
  1
WB        Lom ap    AG  2349.  1748.  1969.  1554.    885. 7.8   0  44   30.
  1
WB        Lom ap1   AG  1969.  1554.  1855.  1537.    442. 7.8   0  44   30.
  1
WB        Lom ap1   AG  1855.  1537.  1793.  1506.    442. 7.8   0  44   30.
  1
WB        Lom ap1   AG  1793.  1506.  1719.  1436.    442. 7.8   0  44   30.
  1
WB        Lom ap2   AG  1969.  1554.  1888.  1494.    443. 7.8   0  32   30.
  1
WB        Lom ap2   AG  1888.  1494.  1831.  1463.    443. 7.8   0  32   30.
  1
WB        Lom ap2   AG  1831.  1463.  1719.  1436.    443. 7.8   0  32   30.
  1
WB        Lom ap3   AG  1719.  1436.  1501.  1326.    885. 7.8   0  56   30.
  2
WB        Lom ap    AG  1535.  1343.  1688.  1421.      0.  36   3
       140       100       2.0  885   42.1 1389 1 3
  1
WB        Lom dep   AG  1501.  1326.  1347.  1267.   2590. 7.8   0  68   30.
  1
WB        Lom dep   AG  1347.  1267.  1160.  1201.   2590. 7.8   0  68   30.
  1
WB        Lom dep   AG  1160.  1201.  1011.  1183.   2590. 7.8   0  92   30.
  1
WB        Lom dep   AG  1011.  1183.   807.  1176.   2590. 7.8   0  80   30.
  1
WB        Lom dep   AG   807.  1176.   465.  1161.   2590. 7.8   0  80   30.
  1
NB        Pres ap   AG  1934.   426.  1839.   622.   2670. 7.9   0  56   35.
  1
NB        Pres ap   AG  1839.   622.  1721.   844.   2670. 7.9   0  68   35.
  1
NB        Pres ap   AG  1721.   844.  1639.  1016.   2670. 7.9   0  68   35.
  1
NB        Pres thru AG  1639.  1016.  1591.  1125.   1670. 7.9   0  56   35.
  1
NB        Pres thru AG  1591.  1125.  1503.  1304.   1670. 7.9   0  56   35.
  2
NB        Pres ap   AG  1519.  1271.  1579.  1151.      0.  36   3
       140        40       2.0 1670   42.1 1552 1 3
  1
NB        Pres left AG  1639.  1016.  1569.  1111.   1000. 7.9   0  44   35.
  1
NB        Pres left AG  1569.  1111.  1480.  1294.   1000. 7.9   0  44   35.
  2
NB        Pres left AG  1498.  1258.  1556.  1138.      0.  24   2
       140       100       2.0 1000   42.1 1700 1 3
  1
NB        Pres dep  AG  1503.  1304.  1326.  1668.   1795. 7.9   0  56   35.
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  1
NB        Pres dep  AG  1326.  1668.  1181.  1944.   1795. 7.9   0  68   35.
  1
NB        Pres dep  AG  1181.  1944.  1024.  2203.   1795. 7.9   0  68   35.
  1
SB        Pres ap   AG   950.  2164.  1048.  2012.   1940. 7.9   0  56   35.
  1
SB        Pres ap   AG  1048.  2012.  1181.  1795.   1940. 7.9   0  56   35.
  1
SB        Pres ap   AG  1181.  1795.  1272.  1632.   1940. 7.9   0  56   35.
  1
SB        Pres ap   AG  1272.  1632.  1347.  1477.   1940. 7.9   0  56   35.
  1
SB        Pres ap   AG  1347.  1477.  1412.  1304.   1940. 7.9   0  68   35.
  2
SB        Pres ap   AG  1398.  1342.  1351.  1464.      0.  48   4
       140        80       2.0 1940   42.1 1376 1 3
  1
SB        Pres dep  AG  1412.  1304.  1468.  1205.   1100. 7.9   0  56   35.
  1
SB        Pres dep  AG  1468.  1205.  1648.   829.   1100. 7.9   0  56   35.
  1
SB        Pres dep  AG  1648.   829.  1773.   581.   1100. 7.9   0  56   35.
  1
SB        Pres dep  AG  1773.   581.  1867.   393.   1100. 7.9   0  56   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S8 Lombard & President NBAM35 RUN: Site 8 No Build AM 2035
DATE: 09/04/2012 TIME: 12:02:03.85

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom ap	2349.0	1748.0	1969.0	1554.0	427.	243.	AG	885.	7.8	.0	44.0		
2. WB	Lom ap1	1969.0	1554.0	1855.0	1537.0	115.	262.	AG	442.	7.8	.0	44.0		
3. WB	Lom ap1	1855.0	1537.0	1793.0	1506.0	69.	243.	AG	442.	7.8	.0	44.0		
4. WB	Lom ap1	1793.0	1506.0	1719.0	1436.0	102.	227.	AG	442.	7.8	.0	44.0		
5. WB	Lom ap2	1969.0	1554.0	1888.0	1494.0	101.	233.	AG	443.	7.8	.0	32.0		
6. WB	Lom ap2	1888.0	1494.0	1831.0	1463.0	65.	241.	AG	443.	7.8	.0	32.0		
7. WB	Lom ap2	1831.0	1463.0	1719.0	1436.0	115.	256.	AG	443.	7.8	.0	32.0		
8. WB	Lom ap3	1719.0	1436.0	1501.0	1326.0	244.	243.	AG	885.	7.8	.0	56.0		
9. WB	Lom ap	1535.0	1343.0	1692.1	1423.1	176.	63.	AG	242.	100.0	.0	36.0	.83	9.0
10. WB	Lom dep	1501.0	1326.0	1347.0	1267.0	165.	249.	AG	2590.	7.8	.0	68.0		
11. WB	Lom dep	1347.0	1267.0	1160.0	1201.0	198.	251.	AG	2590.	7.8	.0	68.0		
12. WB	Lom dep	1160.0	1201.0	1011.0	1183.0	150.	263.	AG	2590.	7.8	.0	92.0		
13. WB	Lom dep	1011.0	1183.0	807.0	1176.0	204.	268.	AG	2590.	7.8	.0	80.0		
14. WB	Lom dep	807.0	1176.0	465.0	1161.0	342.	267.	AG	2590.	7.8	.0	80.0		
15. NB	Pres ap	1934.0	426.0	1839.0	622.0	218.	334.	AG	2670.	7.9	.0	56.0		
16. NB	Pres ap	1839.0	622.0	1721.0	844.0	251.	332.	AG	2670.	7.9	.0	68.0		
17. NB	Pres ap	1721.0	844.0	1639.0	1016.0	191.	335.	AG	2670.	7.9	.0	68.0		
18. NB	Pres thru	1639.0	1016.0	1591.0	1125.0	119.	336.	AG	1670.	7.9	.0	56.0		
19. NB	Pres thru	1591.0	1125.0	1503.0	1304.0	199.	334.	AG	1670.	7.9	.0	56.0		
20. NB	Pres ap	1519.0	1271.0	1573.4	1162.2	122.	153.	AG	97.	100.0	.0	36.0	.52	6.2
21. NB	Pres left	1639.0	1016.0	1569.0	1111.0	118.	324.	AG	1000.	7.9	.0	44.0		
22. NB	Pres left	1569.0	1111.0	1480.0	1294.0	203.	334.	AG	1000.	7.9	.0	44.0		
23. NB	Pres left	1498.0	1258.0	1937.3	349.1	1009.	154.	AG	161.	100.0	.0	24.0	1.14	51.3
24. NB	Pres dep	1503.0	1304.0	1326.0	1668.0	405.	334.	AG	1795.	7.9	.0	56.0		
25. NB	Pres dep	1326.0	1668.0	1181.0	1944.0	312.	332.	AG	1795.	7.9	.0	68.0		
26. NB	Pres dep	1181.0	1944.0	1024.0	2203.0	303.	329.	AG	1795.	7.9	.0	68.0		
27. SB	Pres ap	950.0	2164.0	1048.0	2012.0	181.	147.	AG	1940.	7.9	.0	56.0		
28. SB	Pres ap	1048.0	2012.0	1181.0	1795.0	255.	148.	AG	1940.	7.9	.0	56.0		
29. SB	Pres ap	1181.0	1795.0	1272.0	1632.0	187.	151.	AG	1940.	7.9	.0	56.0		
30. SB	Pres ap	1272.0	1632.0	1347.0	1477.0	172.	154.	AG	1940.	7.9	.0	56.0		
31. SB	Pres ap	1347.0	1477.0	1412.0	1304.0	185.	159.	AG	1940.	7.9	.0	68.0		
32. SB	Pres ap	1398.0	1342.0	1311.8	1565.8	240.	339.	AG	258.	100.0	.0	48.0	.88	12.2
33. SB	Pres dep	1412.0	1304.0	1468.0	1205.0	114.	151.	AG	1100.	7.9	.0	56.0		
34. SB	Pres dep	1468.0	1205.0	1648.0	829.0	417.	154.	AG	1100.	7.9	.0	56.0		
35. SB	Pres dep	1648.0	829.0	1773.0	581.0	278.	153.	AG	1100.	7.9	.0	56.0		
36. SB	Pres dep	1773.0	581.0	1867.0	393.0	210.	153.	AG	1100.	7.9	.0	56.0		

JOB: S8 Lombard & President NBAM35 RUN: Site 8 No Build AM 2035
DATE: 09/04/2012 TIME: 12:02:03.85

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
9. WB	Lom ap	140	100	2.0	885	1389	42.10	1	3
20. NB	Pres ap	140	40	2.0	1670	1552	42.10	1	3
23. NB	Pres left	140	100	2.0	1000	1700	42.10	1	3
32. SB	Pres ap	140	80	2.0	1940	1376	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1661.0	1054.0	5.0
2. SE 164 S	1607.0	1165.0	5.0
3. SE 82 S	1570.0	1238.0	5.0
4. SE CNR	1534.0	1312.0	5.0
5. SE 82 E	1607.0	1350.0	5.0
6. SE 164 E	1680.0	1387.0	5.0
7. SE MID E	1808.0	1440.0	5.0
8. NE MID E	1762.0	1504.0	5.0
9. NE 164 E	1657.0	1430.0	5.0
10. NE 82 E	1583.0	1395.0	5.0
11. NE CNR	1511.0	1367.0	5.0
12. NE 82 N	1473.0	1435.0	5.0
13. NE 164 N	1436.0	1510.0	5.0
14. NE MID N	1378.0	1629.0	5.0
15. NW MID N	1254.0	1606.0	5.0
16. NW 164 N	1319.0	1466.0	5.0
17. NW 82 N	1344.0	1387.0	5.0
18. NW CNR	1366.0	1316.0	5.0
19. NW 82 W	1299.0	1289.0	5.0
20. NW 164 W	1221.0	1264.0	5.0

21. NW MID W	*	1051.0	1231.0	5.0	*
22. SW MID W	*	1046.0	1148.0	5.0	*
23. SW 164 W	*	1257.0	1201.0	5.0	*
24. SW 82 W	*	1338.0	1224.0	5.0	*
25. SW CNR	*	1416.0	1244.0	5.0	*
26. SW 82 S	*	1452.0	1169.0	5.0	*
27. SW 164 S	*	1487.0	1094.0	5.0	*
28. SW MID S	*	1524.0	1013.0	5.0	*

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JOB: S8 Lombard & President NBAM35 RUN: Site 8 No Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.4	.4	.7	.9	.8	.1	.0	.0	.0	.0	.1	.1	.1	.9	1.7	1.8	1.7	.6	.2
5.	.1	.3	.4	.6	1.0	.8	.1	.0	.0	.0	.0	.1	.1	.0	.9	1.8	1.8	1.6	.6	.4
10.	.1	.3	.4	.7	1.0	.7	.1	.0	.0	.0	.0	.0	.1	.0	.8	1.9	1.7	1.5	.6	.3
15.	.0	.2	.4	.8	1.0	.7	.1	.0	.0	.0	.0	.0	.0	.0	.8	1.7	1.7	1.4	.6	.3
20.	.0	.1	.4	.9	1.1	.6	.1	.0	.0	.0	.0	.0	.0	.0	.8	1.7	1.7	1.4	.7	.4
25.	.0	.1	.3	1.0	1.1	.6	.1	.0	.0	.0	.0	.0	.0	.0	.7	1.7	1.5	1.3	.7	.5
30.	.0	.0	.3	1.0	1.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.8	1.7	1.5	1.3	.6	.5
35.	.0	.0	.3	1.1	1.1	.6	.2	.0	.1	.1	.0	.0	.0	.0	.7	1.5	1.5	1.2	.6	.5
40.	.0	.0	.2	1.1	1.1	.6	.2	.0	.1	.2	.0	.0	.0	.0	.8	1.5	1.3	1.2	.6	.4
45.	.0	.0	.1	1.1	1.1	.6	.3	.1	.1	.2	.2	.0	.0	.0	.7	1.5	1.3	1.1	.6	.5
50.	.0	.0	.0	1.0	1.0	.6	.3	.1	.2	.3	.2	.0	.0	.0	.7	1.5	1.3	1.1	.7	.5
55.	.0	.0	.0	1.0	.9	.4	.3	.2	.2	.5	.3	.0	.0	.0	.7	1.4	1.3	1.1	.7	.6
60.	.0	.0	.0	.9	.6	.3	.3	.3	.4	.6	.5	.0	.0	.0	.8	1.5	1.4	1.2	.9	.8
65.	.0	.0	.0	.6	.5	.1	.3	.3	.5	.7	.6	.0	.0	.0	.7	1.5	1.4	1.3	.9	.7
70.	.0	.0	.0	.5	.4	.1	.3	.3	.6	.9	.7	.0	.0	.0	.7	1.5	1.5	1.4	1.1	.9
75.	.0	.0	.0	.3	.2	.1	.1	.3	.7	1.0	.9	.0	.0	.0	.7	1.5	1.5	1.4	1.2	1.0
80.	.0	.0	.0	.2	.2	.1	.0	.3	.7	1.1	1.0	.1	.0	.0	.7	1.4	1.4	1.4	1.2	1.0
85.	.0	.0	.0	.2	.1	.0	.0	.2	.7	1.2	1.0	.1	.0	.0	.7	1.4	1.5	1.4	1.2	.9
90.	.0	.0	.0	.0	.1	.0	.0	.2	.7	1.2	1.0	.3	.0	.0	.7	1.6	1.6	1.4	1.3	1.0
95.	.0	.0	.0	.0	.0	.0	.0	.2	.7	1.2	1.0	.3	.0	.0	.7	1.6	1.7	1.3	1.3	1.1
100.	.0	.0	.0	.0	.0	.0	.0	.2	.7	1.2	1.0	.3	.1	.0	.8	1.6	1.7	1.4	1.1	.9
105.	.0	.0	.0	.0	.0	.0	.0	.1	.8	1.2	.8	.4	.1	.0	.8	1.7	1.7	1.6	1.1	.9
110.	.0	.0	.0	.0	.0	.0	.0	.1	.8	1.1	.8	.4	.1	.0	1.1	1.9	1.8	1.4	1.1	1.0
115.	.0	.0	.0	.0	.0	.0	.0	.1	.9	1.0	.7	.4	.2	.0	1.1	1.8	1.7	1.4	1.2	.8
120.	.0	.0	.0	.0	.0	.0	.0	.1	.9	1.0	.7	.4	.4	.2	1.2	1.8	1.7	1.5	1.2	.9
125.	.0	.0	.0	.1	.0	.0	.0	.1	.9	1.0	.7	.5	.4	.2	1.3	2.1	1.9	1.6	1.2	.9
130.	.1	.0	.1	.1	.0	.0	.0	.1	.9	.9	.6	.4	.4	.2	1.4	2.1	1.9	1.7	1.1	.9
135.	.1	.0	.1	.1	.0	.0	.0	.2	.9	.9	.5	.4	.4	.2	1.7	2.0	1.9	1.5	1.0	.8
140.	.3	.2	.3	.2	.0	.0	.0	.2	1.0	.9	.7	.6	.4	.3	1.7	2.0	1.9	1.6	1.0	.6
145.	.4	.4	.6	.5	.0	.0	.0	.2	1.0	1.0	.7	.7	.7	.5	1.6	2.2	1.8	1.3	.8	.6
150.	.6	.8	.7	.9	.0	.0	.0	.2	1.0	1.0	1.0	.8	.6	.6	1.5	2.1	1.5	1.2	.8	.6
155.	.9	.8	.9	1.0	.1	.0	.0	.2	1.0	1.1	1.3	1.2	.9	.9	1.2	1.6	1.1	1.0	.7	.6
160.	1.1	1.0	1.1	1.4	.3	.1	.0	.2	1.1	1.3	1.7	1.5	1.1	1.1	1.0	1.4	1.0	1.0	.6	.6
165.	1.4	1.2	1.3	1.5	.3	.2	.0	.2	1.2	1.3	1.5	1.5	1.2	1.0	.8	1.1	.6	.7	.6	.6
170.	1.2	1.2	1.6	1.5	.5	.3	.0	.3	1.3	1.4	1.5	1.3	1.2	1.2	.6	.8	.6	.6	.6	.6
175.	1.2	1.2	1.4	1.4	.6	.3	.1	.3	1.3	1.5	1.4	1.1	1.3	1.2	.3	.6	.4	.6	.6	.5
180.	1.3	1.1	1.5	1.3	.6	.2	.2	.3	1.2	1.5	1.4	1.2	1.1	1.3	.2	.5	.4	.6	.6	.5
185.	1.2	1.1	1.3	1.3	.7	.2	.3	.4	1.2	1.7	1.4	1.3	1.2	1.4	.2	.4	.4	.6	.6	.5
190.	1.0	1.1	1.3	1.3	.6	.4	.2	.4	1.4	1.7	1.3	1.0	1.2	1.4	.2	.4	.4	.6	.6	.5
195.	1.2	1.0	1.4	1.3	.7	.4	.2	.3	1.5	1.6	1.2	1.0	1.2	1.3	.3	.4	.4	.6	.6	.6
200.	1.1	.9	1.4	1.0	.7	.3	.2	.5	1.5	1.7	1.3	1.1	1.2	1.3	.2	.3	.3	.7	.6	.7
205.	1.1	1.1	1.3	1.0	.7	.3	.1	.4	1.7	1.8	1.2	1.2	1.2	1.3	.2	.3	.4	.6	.7	.7

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JOB: S8 Lombard & President NBAM35 RUN: Site 8 No Build AM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.0	1.1	1.3	1.1	.6	.3	.1	.6	1.6	1.6	1.3	1.1	1.2	1.1	.1	.3	.3	.7	.7	.7
215.	1.0	1.0	1.3	1.1	.6	.6	.1	.6	1.6	1.6	1.1	1.1	1.2	1.0	.1	.3	.4	.7	.7	.7
220.	1.0	1.0	1.3	.9	.7	.6	.2	.7	1.7	1.6	1.2	1.1	1.2	.9	.1	.2	.3	.8	.8	.7
225.	1.1	1.0	1.3	1.0	.7	.6	.2	.7	1.5	1.4	1.2	1.1	1.2	.8	.2	.2	.3	.7	.8	.7
230.	1.0	.9	1.3	.7	.8	.7	.3	.6	1.6	1.6	1.4	1.3	1.2	.8	.1	.2	.2	.8	.8	.7
235.	1.1	.9	1.3	1.0	.8	.7	.3	.8	1.6	1.4	1.5	1.1	1.2	.8	.1	.2	.3	.8	.9	.8
240.	1.0	.9	1.3	1.2	1.1	.9	.5	.7	1.6	1.3	1.4	1.2	1.3	.9	.1	.2	.3	.9	.9	.8
245.	1.0	1.0	1.3	1.3	1.1	1.2	.6	.8	1.4	1.3	1.5	1.3	1.3	.8	.0	.2	.3	.7	.8	.7
250.	1.0	1.1	1.5	1.6	1.3	1.3	.8	.6	1.1	1.1	1.5	1.2	1.2	.7	.0	.1	.3	.7	.9	.7
255.	1.0	1.1	1.5	1.8	1.4	1.7	.9	.4	1.0	.9	1.4	1.1	1.1	.6	.0	.1	.2	.7	.6	.8
260.	1.0	1.1	1.6	1.9	1.7	1.6	.9	.3	.7	.9	1.2	1.0	1.1	.7	.0	.0	.1	.5	.6	.5
265.	1.0	1.2	1.5	1.4	1.6	1.6	.7	.2	.5	.7	1.0	1.0	1.0	.7	.0	.0	.0	.4	.5	.5
270.	1.0	1.4	1.5	1.5	1.7	1.6	.7	.2	.6	.6	1.0	1.0	1.0	.6	.0	.0	.0	.1	.4	.4
275.	1.0	1.4	1.5	1.3	1.6	1.5	.6	.2	.6	.5	.9	1.0	1.0	.6	.0	.0	.0	.0	.1	.4
280.	1.0	1.4	1.5	1.5	1.7	1.6	.7	.2	.6	.5	.9	1.2	1.0	.8	.0	.0	.0	.0	.1	.0
285.	1.1	1.5	1.5	1.5	1.7	1.4	.6	.1	.3	.6	1.0	1.2	1.0	.8	.0	.0	.0	.0	.1	.0
290.	1.1	1.6	1.5	1.4	1.5	1.4	.3	.1	.3	.6	1.0	1.1	1.0	.7	.0	.0	.0	.0	.1	.0
295.	1.3	1.6	1.5	1.6	1.6	1.3	.3	.1	.3	.6	1.1	1.0	1.0	.8	.0	.0	.1	.0	.1	.0
300.	1.4	1.8	1.6	1.6	1.6	1.3	.2	.1	.3	.5	1.1	1.2	1.1	.9	.0	.1	.1	.0	.1	.0

305. *	1.3	1.8	1.4	1.6	1.3	1.1	.2	.1	.2	.4	1.0	1.2	1.0	.9	.1	.2	.1	.0	.0	.0
310. *	1.5	1.7	1.4	1.5	1.3	1.1	.2	.0	.2	.6	1.1	1.1	1.0	1.0	.1	.2	.1	.0	.0	.0
315. *	1.5	1.4	1.5	1.4	1.4	1.1	.2	.0	.1	.5	1.1	1.1	1.0	.8	.2	.2	.1	.1	.0	.0
320. *	1.4	1.5	1.4	1.3	1.1	1.0	.2	.0	.1	.2	1.1	1.1	1.0	1.0	.3	.4	.2	.2	.0	.0
325. *	1.3	1.3	1.3	1.4	1.1	.9	.2	.0	.0	.2	.9	1.1	.9	1.0	.4	.6	.3	.2	.0	.0
330. *	1.0	1.1	1.2	1.0	1.1	.9	.2	.0	.0	.1	.8	.7	1.0	.7	.7	.8	.7	.5	.0	.0
335. *	1.0	.9	1.0	.9	.9	.9	.2	.0	.0	.0	.5	.5	.5	.6	.9	1.0	1.0	.8	.0	.0
340. *	.4	.6	.6	.7	.9	.9	.1	.0	.0	.0	.4	.4	.4	.5	.9	1.4	1.3	1.0	.0	.0
345. *	.4	.5	.5	.6	.9	.9	.1	.0	.0	.0	.2	.3	.3	.3	.9	1.5	1.4	1.4	.4	.0
350. *	.3	.5	.5	.6	.9	.9	.1	.0	.0	.0	.1	.2	.2	.2	1.0	1.6	1.5	1.5	.4	.0
355. *	.1	.4	.4	.6	.9	.8	.1	.0	.0	.0	.1	.1	.1	.2	1.1	1.7	1.7	1.5	.4	.2
360. *	.1	.4	.4	.7	.9	.8	.1	.0	.0	.0	.0	.1	.1	.1	.9	1.7	1.8	1.7	.6	.2
MAX *	1.5	1.8	1.6	1.9	1.7	1.7	.9	.8	1.7	1.8	1.7	1.5	1.3	1.4	1.7	2.2	1.9	1.7	1.3	1.1
DEGR. *	315	300	300	260	260	255	255	235	205	205	160	160	175	185	135	145	125	130	90	95

1

JOB: S8 Lombard & President NBAM35 RUN: Site 8 No Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.6	.9	1.4	1.6	.9	1.0	1.1
5. *	.0	.6	1.0	1.3	1.4	1.0	1.0	1.1
10. *	.0	.6	1.1	1.3	1.3	.9	1.1	1.0
15. *	.0	.6	1.1	1.2	1.3	1.0	1.1	1.0
20. *	.2	.6	1.2	1.3	1.2	1.1	1.1	1.0
25. *	.1	.6	1.1	1.2	1.2	1.0	1.1	1.0
30. *	.1	.7	1.2	1.2	1.2	1.2	1.0	.8
35. *	.3	.8	1.2	1.1	1.2	1.1	1.0	.8
40. *	.4	.9	1.2	1.2	1.2	1.2	1.0	.8
45. *	.3	1.1	1.2	1.2	1.3	1.0	.9	.7
50. *	.3	1.2	1.3	1.3	1.3	1.0	.9	.8
55. *	.4	1.3	1.3	1.1	1.3	1.0	.9	.8
60. *	.4	1.2	1.2	1.1	1.2	.9	.8	.8
65. *	.6	1.1	1.1	1.0	1.1	.9	.8	.8
70. *	.7	1.0	1.0	1.0	1.1	.9	.8	.8
75. *	1.0	.8	.9	.8	1.0	.9	.9	.9
80. *	.6	.8	.7	.6	.9	.9	.9	.8
85. *	.8	.6	.7	.6	.8	.9	.7	.7
90. *	.8	.6	.5	.6	.9	.9	.8	.9
95. *	1.0	.5	.4	.6	.9	.9	.8	.8
100. *	.9	.3	.4	.6	.9	.8	.8	.8
105. *	.8	.3	.3	.5	.9	.8	.9	.8
110. *	.9	.2	.3	.4	1.0	.8	.8	.8
115. *	.8	.2	.4	.5	1.0	1.0	.8	.8
120. *	.8	.2	.4	.5	1.1	1.1	1.0	.9
125. *	.8	.2	.4	.4	1.1	1.0	1.2	1.0
130. *	.7	.1	.5	.5	1.1	1.1	1.1	.9
135. *	.6	.1	.2	.5	1.2	1.1	1.0	.9
140. *	.6	.1	.1	.4	1.1	1.0	1.0	.9
145. *	.5	.1	.1	.3	.8	.8	.8	.9
150. *	.5	.1	.0	.2	.8	.8	.8	.8
155. *	.5	.1	.0	.1	.5	.6	.5	.5
160. *	.5	.0	.0	.0	.4	.3	.3	.4
165. *	.6	.0	.0	.0	.2	.2	.2	.1
170. *	.6	.0	.0	.0	.2	.1	.1	.1
175. *	.6	.0	.0	.0	.1	.1	.1	.1
180. *	.6	.0	.0	.0	.0	.1	.0	.0
185. *	.6	.0	.0	.0	.0	.0	.0	.0
190. *	.5	.0	.1	.0	.0	.0	.0	.0
195. *	.6	.0	.1	.0	.0	.0	.0	.0
200. *	.6	.0	.1	.0	.0	.0	.0	.0
205. *	.6	.0	.1	.1	.0	.0	.0	.0

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JOB: S8 Lombard & President NBAM35 RUN: Site 8 No Build AM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.6	.0	.1	.1	.0	.0	.0	.0
215. *	.6	.0	.1	.1	.0	.0	.0	.0
220. *	.7	.0	.1	.1	.0	.0	.0	.0
225. *	.7	.0	.1	.1	.0	.0	.0	.0
230. *	.8	.0	.1	.1	.0	.0	.0	.0
235. *	.7	.0	.3	.2	.1	.0	.0	.0
240. *	.8	.1	.4	.3	.1	.0	.0	.0
245. *	.9	.2	.4	.4	.3	.0	.0	.0
250. *	.9	.3	.7	.6	.5	.0	.0	.0

255.	*	.9	.5	.9	.8	.6	.0	.0	.0
260.	*	.9	.7	1.0	1.0	.9	.1	.0	.0
265.	*	.8	.9	1.1	1.1	.9	.4	.0	.0
270.	*	.6	.9	1.1	1.0	.9	.4	.1	.0
275.	*	.5	1.0	1.1	1.0	.8	.5	.3	.0
280.	*	.3	1.0	1.1	.8	.6	.4	.4	.1
285.	*	.2	.9	1.0	.8	.6	.3	.3	.2
290.	*	.1	.9	.8	.7	.7	.2	.2	.1
295.	*	.0	.9	.8	.7	.6	.2	.2	.2
300.	*	.0	.8	.7	.6	.6	.3	.2	.2
305.	*	.0	.7	.6	.6	.7	.3	.2	.1
310.	*	.0	.8	.6	.6	.8	.2	.1	.1
315.	*	.0	.7	.6	.6	.9	.3	.3	.2
320.	*	.0	.7	.6	.6	.8	.6	.4	.3
325.	*	.0	.6	.6	.6	1.0	.6	.5	.4
330.	*	.0	.7	.6	.6	1.3	.6	.5	.6
335.	*	.0	.6	.6	.6	1.6	1.1	.9	.6
340.	*	.0	.6	.6	.7	1.7	1.3	.9	.8
345.	*	.0	.5	.6	.9	1.7	1.3	.9	1.0
350.	*	.0	.6	.6	1.1	1.8	1.2	1.1	1.0
355.	*	.0	.6	.7	1.2	1.7	1.1	1.1	1.0
360.	*	.0	.6	.9	1.4	1.6	.9	1.0	1.1
MAX	*	1.0	1.3	1.3	1.4	1.8	1.3	1.2	1.1
DEGR.	*	75	55	50	0	350	340	125	0

THE HIGHEST CONCENTRATION IS 2.20 PPM AT 145 DEGREES FROM REC16.
THE 2ND HIGHEST CONCENTRATION IS 1.90 PPM AT 260 DEGREES FROM REC4 .
THE 3RD HIGHEST CONCENTRATION IS 1.90 PPM AT 125 DEGREES FROM REC17.

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S8 Lombard & President NBPM21           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1661.     1054.       5.0
SE 164 S                 1607.     1165.       5.0
SE 82 S                  1570.     1238.       5.0
SE CNR                   1534.     1312.       5.0
SE 82 E                  1607.     1350.       5.0
SE 164 E                 1680.     1387.       5.0
SE MID E                 1808.     1440.       5.0
NE MID E                 1762.     1504.       5.0
NE 164  E                1657.     1430.       5.0
NE 82  E                 1583.     1395.       5.0
NE CNR                   1511.     1367.       5.0
NE 82 N                  1473.     1435.       5.0
NE 164 N                 1436.     1510.       5.0
NE MID N                 1378.     1629.       5.0
NW MID N                 1254.     1606.       5.0
NW 164 N                 1319.     1466.       5.0
NW 82 N                  1344.     1387.       5.0
NW CNR                   1366.     1316.       5.0
NW 82 W                  1299.     1289.       5.0
NW 164 W                 1221.     1264.       5.0
NW MID W                 1051.     1231.       5.0
SW MID W                 1046.     1148.       5.0
SW 164 W                 1257.     1201.       5.0
SW 82 W                  1338.     1224.       5.0
SW CNR                   1416.     1244.       5.0
SW 82 S                  1452.     1169.       5.0
SW 164 S                 1487.     1094.       5.0
SW MID S                 1524.     1013.       5.0
Site 8 No Build PM 2021                  36  1   0
  1
WB        Lom ap    AG  2349.  1748.  1969.  1554.    845. 8.1   0  44   30.
  1
WB        Lom ap1   AG  1969.  1554.  1855.  1537.    422. 8.1   0  44   30.
  1
WB        Lom ap1   AG  1855.  1537.  1793.  1506.    422. 8.1   0  44   30.
  1
WB        Lom ap1   AG  1793.  1506.  1719.  1436.    422. 8.1   0  44   30.
  1
WB        Lom ap2   AG  1969.  1554.  1888.  1494.    423. 8.1   0  32   30.
  1
WB        Lom ap2   AG  1888.  1494.  1831.  1463.    423. 8.1   0  32   30.
  1
WB        Lom ap2   AG  1831.  1463.  1719.  1436.    423. 8.1   0  32   30.
  1
WB        Lom ap3   AG  1719.  1436.  1501.  1326.    845. 8.1   0  56   30.
  2
WB        Lom ap    AG  1535.  1343.  1688.  1421.      0.  36   3
       110        85       2.0  845   43.6 1539 1 3
  1
WB        Lom dep   AG  1501.  1326.  1347.  1267.   1805. 8.1   0  68   30.
  1
WB        Lom dep   AG  1347.  1267.  1160.  1201.   1805. 8.1   0  68   30.
  1
WB        Lom dep   AG  1160.  1201.  1011.  1183.   1805. 8.1   0  92   30.
  1
WB        Lom dep   AG  1011.  1183.   807.  1176.   1805. 8.1   0  80   30.
  1
WB        Lom dep   AG   807.  1176.   465.  1161.   1805. 8.1   0  80   30.
  1
NB        Pres ap   AG  1934.   426.  1839.   622.   2810. 8.1   0  56   35.
  1
NB        Pres ap   AG  1839.   622.  1721.   844.   2810. 8.1   0  68   35.
  1
NB        Pres ap   AG  1721.   844.  1639.  1016.   2810. 8.1   0  68   35.
  1
NB        Pres thru AG  1639.  1016.  1591.  1125.   1980. 8.1   0  56   35.
  1
NB        Pres thru AG  1591.  1125.  1503.  1304.   1980. 8.1   0  56   35.
  2
NB        Pres ap   AG  1519.  1271.  1579.  1151.      0.  36   3
       110        35       2.0 1980   43.6 1725 1 3
  1
NB        Pres left AG  1639.  1016.  1569.  1111.    830. 8.1   0  44   35.
  1
NB        Pres left AG  1569.  1111.  1480.  1294.    830. 8.1   0  44   35.
  2
NB        Pres left AG  1498.  1258.  1556.  1138.      0.  24   2
       110        75       2.0  830   43.6 1722 1 3
  1
NB        Pres dep  AG  1503.  1304.  1326.  1668.   2015. 8.1   0  56   35.
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  1
NB        Pres dep  AG  1326.  1668.  1181.  1944.   2015. 8.1   0  68   35.
  1
NB        Pres dep  AG  1181.  1944.  1024.  2203.   2015. 8.1   0  68   35.
  1
SB        Pres ap   AG   950.  2164.  1048.  2012.   1630. 8.1   0  56   35.
  1
SB        Pres ap   AG  1048.  2012.  1181.  1795.   1630. 8.1   0  56   35.
  1
SB        Pres ap   AG  1181.  1795.  1272.  1632.   1630. 8.1   0  56   35.
  1
SB        Pres ap   AG  1272.  1632.  1347.  1477.   1630. 8.1   0  56   35.
  1
SB        Pres ap   AG  1347.  1477.  1412.  1304.   1630. 8.1   0  68   35.
  2
SB        Pres ap   AG  1398.  1342.  1351.  1464.      0.  48   4
       110        75       2.0 1630   43.6 1491 1 3
  1
SB        Pres dep  AG  1412.  1304.  1468.  1205.   1375. 8.1   0  56   35.
  1
SB        Pres dep  AG  1468.  1205.  1648.   829.   1375. 8.1   0  56   35.
  1
SB        Pres dep  AG  1648.   829.  1773.   581.   1375. 8.1   0  56   35.
  1
SB        Pres dep  AG  1773.   581.  1867.   393.   1375. 8.1   0  56   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S8 Lombard & President NBPM21 RUN: Site 8 No Build PM 2021
DATE: 09/07/2012 TIME: 11:05:59.33

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom ap	2349.0	1748.0	1969.0	1554.0	427.	243.	AG	845.	8.1	.0	44.0		
2. WB	Lom ap1	1969.0	1554.0	1855.0	1537.0	115.	262.	AG	422.	8.1	.0	44.0		
3. WB	Lom ap1	1855.0	1537.0	1793.0	1506.0	69.	243.	AG	422.	8.1	.0	44.0		
4. WB	Lom ap1	1793.0	1506.0	1719.0	1436.0	102.	227.	AG	422.	8.1	.0	44.0		
5. WB	Lom ap2	1969.0	1554.0	1888.0	1494.0	101.	233.	AG	423.	8.1	.0	32.0		
6. WB	Lom ap2	1888.0	1494.0	1831.0	1463.0	65.	241.	AG	423.	8.1	.0	32.0		
7. WB	Lom ap2	1831.0	1463.0	1719.0	1436.0	115.	256.	AG	423.	8.1	.0	32.0		
8. WB	Lom ap3	1719.0	1436.0	1501.0	1326.0	244.	243.	AG	845.	8.1	.0	56.0		
9. WB	Lom ap	1535.0	1343.0	1704.2	1429.3	190.	63.	AG	271.	100.0	.0	36.0	.96	9.6
10. WB	Lom dep	1501.0	1326.0	1347.0	1267.0	165.	249.	AG	1805.	8.1	.0	68.0		
11. WB	Lom dep	1347.0	1267.0	1160.0	1201.0	198.	251.	AG	1805.	8.1	.0	68.0		
12. WB	Lom dep	1160.0	1201.0	1011.0	1183.0	150.	263.	AG	1805.	8.1	.0	92.0		
13. WB	Lom dep	1011.0	1183.0	807.0	1176.0	204.	268.	AG	1805.	8.1	.0	80.0		
14. WB	Lom dep	807.0	1176.0	465.0	1161.0	342.	267.	AG	1805.	8.1	.0	80.0		
15. NB	Pres ap	1934.0	426.0	1839.0	622.0	218.	334.	AG	2810.	8.1	.0	56.0		
16. NB	Pres ap	1839.0	622.0	1721.0	844.0	251.	332.	AG	2810.	8.1	.0	68.0		
17. NB	Pres ap	1721.0	844.0	1639.0	1016.0	191.	335.	AG	2810.	8.1	.0	68.0		
18. NB	Pres thru	1639.0	1016.0	1591.0	1125.0	119.	336.	AG	1980.	8.1	.0	56.0		
19. NB	Pres thru	1591.0	1125.0	1503.0	1304.0	199.	334.	AG	1980.	8.1	.0	56.0		
20. NB	Pres ap	1519.0	1271.0	1575.5	1158.0	126.	153.	AG	112.	100.0	.0	36.0	.59	6.4
21. NB	Pres left	1639.0	1016.0	1569.0	1111.0	118.	324.	AG	830.	8.1	.0	44.0		
22. NB	Pres left	1569.0	1111.0	1480.0	1294.0	203.	334.	AG	830.	8.1	.0	44.0		
23. NB	Pres left	1498.0	1258.0	1581.9	1084.5	193.	154.	AG	159.	100.0	.0	24.0	.86	9.8
24. NB	Pres dep	1503.0	1304.0	1326.0	1668.0	405.	334.	AG	2015.	8.1	.0	56.0		
25. NB	Pres dep	1326.0	1668.0	1181.0	1944.0	312.	332.	AG	2015.	8.1	.0	68.0		
26. NB	Pres dep	1181.0	1944.0	1024.0	2203.0	303.	329.	AG	2015.	8.1	.0	68.0		
27. SB	Pres ap	950.0	2164.0	1048.0	2012.0	181.	147.	AG	1630.	8.1	.0	56.0		
28. SB	Pres ap	1048.0	2012.0	1181.0	1795.0	255.	148.	AG	1630.	8.1	.0	56.0		
29. SB	Pres ap	1181.0	1795.0	1272.0	1632.0	187.	151.	AG	1630.	8.1	.0	56.0		
30. SB	Pres ap	1272.0	1632.0	1347.0	1477.0	172.	154.	AG	1630.	8.1	.0	56.0		
31. SB	Pres ap	1347.0	1477.0	1412.0	1304.0	185.	159.	AG	1630.	8.1	.0	68.0		
32. SB	Pres ap	1398.0	1342.0	1311.1	1567.5	242.	339.	AG	319.	100.0	.0	48.0	.97	12.3
33. SB	Pres dep	1412.0	1304.0	1468.0	1205.0	114.	151.	AG	1375.	8.1	.0	56.0		
34. SB	Pres dep	1468.0	1205.0	1648.0	829.0	417.	154.	AG	1375.	8.1	.0	56.0		
35. SB	Pres dep	1648.0	829.0	1773.0	581.0	278.	153.	AG	1375.	8.1	.0	56.0		
36. SB	Pres dep	1773.0	581.0	1867.0	393.0	210.	153.	AG	1375.	8.1	.0	56.0		

JOB: S8 Lombard & President NBPM21 RUN: Site 8 No Build PM 2021
DATE: 09/07/2012 TIME: 11:05:59.33

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
9. WB	Lom ap	110	85	2.0	845	1539	43.60	1	3
20. NB	Pres ap	110	35	2.0	1980	1725	43.60	1	3
23. NB	Pres left	110	75	2.0	830	1722	43.60	1	3
32. SB	Pres ap	110	75	2.0	1630	1491	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1661.0	1054.0	5.0
2. SE 164 S	1607.0	1165.0	5.0
3. SE 82 S	1570.0	1238.0	5.0
4. SE CNR	1534.0	1312.0	5.0
5. SE 82 E	1607.0	1350.0	5.0
6. SE 164 E	1680.0	1387.0	5.0
7. SE MID E	1808.0	1440.0	5.0
8. NE MID E	1762.0	1504.0	5.0
9. NE 164 E	1657.0	1430.0	5.0
10. NE 82 E	1583.0	1395.0	5.0
11. NE CNR	1511.0	1367.0	5.0
12. NE 82 N	1473.0	1435.0	5.0
13. NE 164 N	1436.0	1510.0	5.0
14. NE MID N	1378.0	1629.0	5.0
15. NW MID N	1254.0	1606.0	5.0
16. NW 164 N	1319.0	1466.0	5.0
17. NW 82 N	1344.0	1387.0	5.0
18. NW CNR	1366.0	1316.0	5.0
19. NW 82 W	1299.0	1289.0	5.0
20. NW 164 W	1221.0	1264.0	5.0

21. NW MID W	*	1051.0	1231.0	5.0	*
22. SW MID W	*	1046.0	1148.0	5.0	*
23. SW 164 W	*	1257.0	1201.0	5.0	*
24. SW 82 W	*	1338.0	1224.0	5.0	*
25. SW CNR	*	1416.0	1244.0	5.0	*
26. SW 82 S	*	1452.0	1169.0	5.0	*
27. SW 164 S	*	1487.0	1094.0	5.0	*
28. SW MID S	*	1524.0	1013.0	5.0	*

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JOB: S8 Lombard & President NBPM21 RUN: Site 8 No Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.4	.5	.7	1.0	1.0	.1	.0	.0	.0	.1	.1	.1	.1	.8	1.9	2.0	1.8	.5	.1
5.	.1	.4	.4	.7	1.0	1.0	.1	.0	.0	.0	.0	.1	.1	.1	.9	1.9	2.0	1.7	.7	.3
10.	.1	.3	.4	.7	1.1	1.0	.1	.0	.0	.0	.0	.1	.1	.1	.9	1.9	1.8	1.5	.7	.4
15.	.0	.3	.4	.8	1.1	.9	.1	.0	.0	.0	.0	.0	.1	.1	.8	2.0	1.8	1.5	.7	.5
20.	.0	.1	.4	1.0	1.2	.9	.1	.0	.1	.0	.0	.0	.0	.0	.8	1.9	1.8	1.4	.8	.4
25.	.0	.1	.4	1.0	1.3	.9	.1	.0	.1	.0	.0	.0	.0	.0	.7	1.8	1.6	1.4	.8	.5
30.	.0	.1	.4	1.1	1.3	.8	.1	.0	.1	.0	.0	.0	.0	.0	.6	1.8	1.6	1.3	.8	.6
35.	.0	.0	.3	1.2	1.3	.8	.2	.0	.2	.2	.0	.0	.0	.0	.7	1.8	1.6	1.3	.8	.5
40.	.0	.0	.3	1.2	1.2	.8	.2	.0	.2	.2	.0	.0	.0	.0	.8	1.8	1.5	1.2	.8	.5
45.	.0	.0	.1	1.2	1.2	.8	.3	.1	.2	.2	.2	.0	.0	.0	.7	1.6	1.5	1.1	.7	.5
50.	.0	.0	.1	1.2	1.1	.7	.3	.1	.2	.3	.2	.0	.0	.0	.6	1.6	1.5	1.2	.7	.5
55.	.0	.0	.0	1.1	.9	.5	.3	.2	.3	.5	.3	.0	.0	.0	.8	1.6	1.5	1.2	.9	.5
60.	.0	.0	.0	.9	.7	.4	.3	.3	.6	.6	.5	.0	.0	.0	.7	1.7	1.5	1.2	.9	.7
65.	.0	.0	.0	.7	.6	.2	.3	.3	.7	.8	.7	.0	.0	.0	.6	1.7	1.5	1.3	.9	.8
70.	.0	.0	.0	.5	.5	.2	.3	.3	.7	1.1	.8	.0	.0	.0	.6	1.7	1.6	1.3	.9	.7
75.	.0	.0	.0	.3	.3	.1	.1	.3	.9	1.2	1.0	.1	.0	.0	.6	1.8	1.6	1.3	1.1	.9
80.	.0	.0	.0	.2	.2	.1	.0	.3	.9	1.3	1.1	.1	.0	.0	.7	1.7	1.6	1.3	1.2	1.0
85.	.0	.0	.0	.2	.2	.0	.0	.2	.9	1.3	1.1	.1	.0	.0	.7	1.7	1.8	1.4	1.0	1.0
90.	.0	.0	.0	.0	.1	.0	.0	.2	1.0	1.3	1.1	.3	.0	.0	.7	1.7	1.8	1.2	1.0	.8
95.	.0	.0	.0	.0	.0	.0	.0	.2	1.0	1.3	1.1	.3	.1	.0	.8	1.8	1.8	1.2	.8	.8
100.	.0	.0	.0	.0	.0	.0	.0	.2	1.0	1.3	1.1	.4	.1	.0	.9	1.9	1.9	1.1	.9	.9
105.	.0	.0	.0	.0	.0	.0	.0	.1	1.0	1.3	.9	.4	.1	.0	.9	2.0	1.8	1.5	1.0	1.0
110.	.0	.0	.0	.0	.0	.0	.0	.1	1.1	1.2	.9	.4	.2	.1	1.1	2.1	1.8	1.4	1.2	.8
115.	.0	.0	.0	.0	.0	.0	.0	.1	1.1	1.1	.8	.4	.4	.2	1.2	1.9	1.8	1.4	1.0	.8
120.	.0	.0	.0	.1	.0	.0	.0	.1	1.1	1.1	.8	.5	.4	.2	1.3	2.0	1.7	1.3	.9	.6
125.	.0	.0	.1	.1	.0	.0	.0	.1	1.0	1.1	.7	.5	.4	.2	1.4	2.2	2.0	1.4	.9	.6
130.	.1	.0	.1	.1	.0	.0	.0	.1	1.0	1.0	.6	.5	.4	.2	1.6	2.2	1.9	1.4	.8	.6
135.	.1	.0	.1	.1	.0	.0	.0	.2	1.0	1.0	.7	.4	.4	.3	1.5	2.1	1.9	1.3	.8	.6
140.	.3	.2	.3	.2	.0	.0	.0	.2	1.1	1.0	.6	.6	.5	.3	1.6	2.3	1.8	1.5	.7	.5
145.	.4	.3	.5	.5	.0	.0	.0	.2	1.1	1.0	.8	.6	.6	.5	1.6	2.3	1.7	1.2	.6	.4
150.	.7	.6	.6	.7	.0	.0	.0	.2	1.1	1.1	1.2	.9	.6	.7	1.5	2.0	1.4	1.1	.5	.4
155.	.8	.7	.7	1.0	.2	.0	.0	.2	1.1	1.2	1.3	1.4	1.1	.9	1.4	1.6	1.0	.7	.4	.4
160.	.9	.9	1.3	1.3	.2	.0	.0	.2	1.1	1.3	1.5	1.6	1.2	1.2	.9	1.4	.9	.6	.5	.4
165.	1.1	1.0	1.4	1.5	.3	.1	.0	.2	1.2	1.4	1.5	1.4	1.0	1.3	.6	1.0	.7	.5	.4	.4
170.	1.0	1.2	1.5	1.5	.4	.2	.0	.2	1.3	1.5	1.7	1.3	1.1	1.4	.6	.8	.5	.4	.4	.4
175.	1.0	1.2	1.4	1.6	.4	.2	.0	.2	1.3	1.6	1.4	1.3	1.4	1.2	.3	.6	.3	.4	.4	.4
180.	1.0	1.0	1.6	1.5	.5	.2	.1	.3	1.2	1.7	1.4	1.3	1.2	1.4	.3	.3	.3	.5	.4	.4
185.	.9	1.1	1.5	1.4	.6	.3	.2	.3	1.5	1.7	1.3	1.2	1.2	1.4	.2	.3	.3	.4	.4	.4
190.	1.0	1.1	1.6	1.4	.6	.3	.1	.3	1.6	1.7	1.4	.9	1.2	1.4	.2	.3	.4	.4	.4	.4
195.	.8	1.0	1.5	1.3	.6	.4	.1	.4	1.5	1.7	1.3	1.0	1.3	1.4	.1	.3	.2	.5	.4	.4
200.	1.0	1.1	1.4	1.2	.6	.4	.1	.5	1.7	1.8	1.3	1.1	1.4	1.5	.0	.3	.2	.5	.5	.4
205.	.9	1.0	1.4	1.1	.6	.3	.2	.6	1.8	1.8	1.1	1.0	1.4	1.5	.0	.3	.2	.5	.5	.5

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JOB: S8 Lombard & President NBPM21 RUN: Site 8 No Build PM 2021

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.0	1.2	1.4	1.1	.6	.4	.1	.7	1.8	2.1	1.0	1.1	1.2	1.1	.0	.3	.2	.5	.5	.5
215.	.9	1.2	1.4	1.0	.6	.4	.2	.7	1.8	1.7	1.0	1.1	1.2	1.1	.0	.2	.2	.5	.5	.5
220.	.8	1.1	1.4	.9	.7	.6	.3	.6	1.6	1.5	1.0	1.1	1.3	1.0	.0	.1	.3	.5	.5	.5
225.	.9	1.0	1.4	.8	.7	.5	.2	.7	1.7	1.5	1.1	1.2	1.3	1.0	.0	.1	.2	.6	.6	.5
230.	.8	1.1	1.3	.9	.9	.6	.3	.8	1.7	1.5	1.3	1.2	1.2	.9	.0	.2	.2	.7	.6	.5
235.	.9	1.1	1.3	1.0	.9	.8	.4	.8	1.7	1.3	1.3	1.2	1.2	.9	.0	.1	.2	.6	.6	.5
240.	.9	1.2	1.3	1.2	.9	.9	.4	.8	1.4	1.3	1.3	1.2	1.3	.8	.0	.0	.2	.5	.5	.6
245.	.9	1.2	1.4	1.3	1.1	1.2	.7	.6	1.5	1.2	1.1	1.2	1.2	.8	.0	.0	.2	.5	.6	.5
250.	.9	1.2	1.4	1.3	1.2	1.4	.8	.6	1.2	1.1	1.1	1.1	1.2	.7	.0	.0	.1	.6	.5	.6
255.	.9	1.2	1.5	1.3	1.6	1.6	.9	.4	.9	.9	1.2	1.1	1.2	.7	.0	.0	.0	.4	.6	.5
260.	.8	1.3	1.4	1.3	1.5	1.6	.8	.2	.7	.8	1.2	1.1	1.3	.7	.0	.0	.0	.4	.5	.5
265.	.8	1.2	1.4	1.4	1.7	1.7	.7	.2	.8	.8	1.1	1.1	1.2	.7	.0	.0	.0	.1	.4	.4
270.	.9	1.3	1.4	1.4	1.7	1.7	.6	.2	.7	.7	1.1	1.1	1.2	.7	.0	.0	.0	.0	.1	.3
275.	.9	1.3	1.4	1.3	1.7	1.8	.7	.2	.7	.6	1.1	1.1	1.1	.7	.0	.0	.0	.0	.1	.1
280.	1.0	1.5	1.5	1.3	1.8	1.8	.6	.2	.5	.6	1.1	1.2	1.1	.8	.0	.0	.0	.0	.1	.0
285.	1.0	1.6	1.6	1.4	1.7	1.8	.5	.2	.6	.6	1.1	1.2	1.2	.9	.0	.0	.0	.0	.0	.0
290.	1.1	1.7	1.6	1.5	1.7	1.6	.4	.2	.4	.7	1.2	1.2	1.1	.8	.0	.1	.0	.0	.0	.0
295.	1.2	1.8	1.6	1.5	1.7	1.4	.3	.1	.3	.6	1.3	1.2	1.1	.9	.0	.1	.0	.0	.0	.0
300.	1.2	1.6	1.6	1.7	1.6	1.3	.3	.1	.3	.5	1.2	1.2	1.1	.9	.0	.1	.0	.0	.0	.0

305. *	1.3	1.7	1.5	1.8	1.5	1.3	.3	.1	.2	.4	1.2	1.1	1.2	1.0	.1	.2	.0	.0	.0	.0
310. *	1.5	1.8	1.6	1.5	1.4	1.2	.2	.1	.2	.5	1.1	1.2	1.1	.9	.1	.2	.1	.0	.0	.0
315. *	1.5	1.7	1.5	1.5	1.4	1.2	.2	.0	.1	.4	1.3	1.2	1.2	1.1	.1	.2	.2	.0	.0	.0
320. *	1.4	1.7	1.3	1.6	1.3	1.1	.2	.0	.1	.2	1.2	1.1	1.1	1.0	.3	.2	.2	.2	.0	.0
325. *	1.3	1.5	1.5	1.3	1.2	1.0	.2	.0	.0	.2	.9	1.1	1.1	.9	.4	.5	.4	.2	.0	.0
330. *	1.1	1.2	1.2	1.0	1.2	1.0	.2	.0	.0	.2	.7	.7	.9	.9	.6	.9	.6	.4	.0	.0
335. *	.9	.9	1.0	1.0	1.0	1.0	.2	.0	.0	.0	.5	.6	.7	.6	.8	1.2	.9	.9	.0	.0
340. *	.7	.9	.8	.8	1.0	1.0	.1	.0	.0	.0	.4	.5	.4	.6	.8	1.4	1.2	1.2	.0	.0
345. *	.4	.6	.6	.7	1.0	1.0	.1	.0	.0	.0	.2	.4	.3	.3	1.0	1.6	1.6	1.4	.2	.0
350. *	.3	.5	.5	.7	1.0	1.0	.1	.0	.0	.0	.1	.2	.3	.2	1.0	1.7	1.7	1.5	.4	.0
355. *	.1	.4	.6	.6	1.0	1.0	.1	.0	.0	.0	.1	.1	.1	.2	.9	1.8	1.7	1.7	.6	.1
360. *	.1	.4	.5	.7	1.0	1.0	.1	.0	.0	.0	.1	.1	.1	.1	.8	1.9	2.0	1.8	.5	.1
MAX *	1.5	1.8	1.6	1.8	1.8	1.8	.9	.8	1.8	2.1	1.7	1.6	1.4	1.5	1.6	2.3	2.0	1.8	1.2	1.0
DEGR. *	310	310	180	305	280	275	255	230	205	210	170	160	175	200	130	140	0	0	110	80

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JOB: S8 Lombard & President NBPM21 RUN: Site 8 No Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.4	.7	1.2	1.4	1.0	1.1	1.2
5. *	.0	.4	.9	1.3	1.5	1.1	1.2	1.2
10. *	.0	.4	.9	1.3	1.4	.9	1.2	1.1
15. *	.1	.4	1.0	1.2	1.2	1.1	1.2	1.1
20. *	.1	.5	1.0	1.2	1.3	1.1	1.2	1.2
25. *	.1	.5	1.0	1.2	1.1	1.2	1.2	1.1
30. *	.1	.5	.9	1.1	1.0	1.2	1.1	.9
35. *	.3	.7	1.0	1.2	1.1	1.2	1.0	.7
40. *	.3	.7	1.0	1.1	1.2	1.3	1.0	.8
45. *	.3	.8	1.0	1.0	1.2	1.3	.9	.7
50. *	.3	.8	1.1	1.0	1.4	1.0	.9	.7
55. *	.5	.9	1.1	1.1	1.3	1.0	.9	.6
60. *	.4	.9	1.0	1.1	1.2	1.1	.9	.6
65. *	.5	1.0	1.0	1.0	1.3	1.0	1.0	.6
70. *	.7	.8	.9	.9	1.2	1.0	.9	.6
75. *	.7	.7	.7	.8	1.0	.9	.8	.7
80. *	.7	.4	.7	.7	.9	.9	.9	.7
85. *	.6	.4	.6	.6	.8	.9	.9	.6
90. *	.6	.4	.5	.5	.9	.9	.7	.6
95. *	.5	.3	.4	.6	1.0	1.0	.7	.6
100. *	.6	.3	.4	.6	1.0	1.1	.9	.7
105. *	.7	.2	.4	.6	1.1	.9	.9	.7
110. *	.6	.2	.3	.5	1.1	.9	.8	.7
115. *	.6	.1	.3	.4	1.2	1.0	.7	.8
120. *	.5	.1	.3	.6	1.1	1.0	.8	.8
125. *	.4	.1	.3	.5	1.2	.9	.9	.8
130. *	.4	.1	.3	.4	1.1	1.0	.9	.7
135. *	.4	.1	.2	.3	1.2	.9	.8	1.0
140. *	.4	.1	.0	.3	1.0	.8	.9	.9
145. *	.4	.0	.0	.3	1.0	.7	.9	.8
150. *	.4	.0	.0	.1	.7	.8	.7	.6
155. *	.4	.0	.0	.0	.7	.6	.7	.5
160. *	.4	.0	.0	.0	.3	.3	.4	.3
165. *	.4	.0	.0	.0	.2	.2	.2	.1
170. *	.4	.0	.0	.0	.2	.1	.1	.1
175. *	.4	.0	.0	.0	.2	.1	.1	.1
180. *	.4	.0	.0	.0	.1	.1	.1	.0
185. *	.4	.0	.0	.0	.1	.1	.0	.0
190. *	.4	.0	.0	.0	.1	.0	.0	.0
195. *	.4	.0	.0	.0	.0	.0	.0	.0
200. *	.4	.0	.1	.0	.0	.0	.0	.0
205. *	.4	.0	.1	.0	.0	.0	.0	.0

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JOB: S8 Lombard & President NBPM21 RUN: Site 8 No Build PM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.4	.0	.1	.0	.0	.0	.0	.0
215. *	.5	.0	.1	.0	.0	.0	.0	.0
220. *	.5	.0	.1	.0	.0	.0	.0	.0
225. *	.5	.0	.1	.1	.0	.0	.0	.0
230. *	.6	.0	.1	.1	.0	.0	.0	.0
235. *	.5	.0	.1	.1	.0	.0	.0	.0
240. *	.5	.1	.3	.2	.1	.0	.0	.0
245. *	.6	.2	.3	.3	.1	.0	.0	.0
250. *	.6	.2	.5	.4	.4	.0	.0	.0

255.	*	.6	.5	.6	.6	.4	.0	.0	.0
260.	*	.6	.5	.8	.7	.6	.0	.0	.0
265.	*	.5	.6	.8	.8	.6	.2	.0	.0
270.	*	.4	.6	.8	.8	.6	.2	.0	.0
275.	*	.3	.7	.9	.7	.5	.2	.0	.0
280.	*	.3	.7	.8	.6	.5	.2	.1	.0
285.	*	.1	.7	.6	.5	.4	.2	.2	.0
290.	*	.0	.7	.6	.5	.5	.2	.1	.0
295.	*	.0	.6	.6	.5	.5	.2	.1	.0
300.	*	.0	.5	.5	.5	.5	.2	.1	.1
305.	*	.0	.5	.5	.4	.5	.2	.1	.1
310.	*	.0	.6	.4	.4	.5	.2	.1	.1
315.	*	.0	.5	.4	.4	.7	.4	.2	.2
320.	*	.0	.5	.4	.4	.8	.5	.4	.3
325.	*	.0	.5	.4	.4	1.1	.6	.6	.5
330.	*	.0	.4	.4	.4	1.3	.8	.8	.4
335.	*	.0	.4	.5	.4	1.5	1.1	.8	.8
340.	*	.0	.5	.5	.5	1.8	1.2	.9	.8
345.	*	.0	.4	.5	.8	1.8	1.4	1.0	1.2
350.	*	.0	.4	.4	1.1	1.9	1.3	1.1	1.1
355.	*	.0	.4	.6	1.1	1.7	1.1	1.3	1.2
360.	*	.0	.4	.7	1.2	1.4	1.0	1.1	1.2
MAX	*	.7	1.0	1.1	1.3	1.9	1.4	1.3	1.2
DEGR.	*	70	65	50	5	350	345	355	0

THE HIGHEST CONCENTRATION IS 2.30 PPM AT 140 DEGREES FROM REC16.
THE 2ND HIGHEST CONCENTRATION IS 2.10 PPM AT 210 DEGREES FROM REC10.
THE 3RD HIGHEST CONCENTRATION IS 2.00 PPM AT 0 DEGREES FROM REC17.

```
S8 Lombard & President NBPM35           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1661.     1054.       5.0
SE 164 S                 1607.     1165.       5.0
SE 82 S                  1570.     1238.       5.0
SE CNR                   1534.     1312.       5.0
SE 82 E                  1607.     1350.       5.0
SE 164 E                 1680.     1387.       5.0
SE MID E                 1808.     1440.       5.0
NE MID E                 1762.     1504.       5.0
NE 164  E                1657.     1430.       5.0
NE 82  E                 1583.     1395.       5.0
NE CNR                   1511.     1367.       5.0
NE 82 N                  1473.     1435.       5.0
NE 164 N                 1436.     1510.       5.0
NE MID N                 1378.     1629.       5.0
NW MID N                 1254.     1606.       5.0
NW 164 N                 1319.     1466.       5.0
NW 82 N                  1344.     1387.       5.0
NW CNR                   1366.     1316.       5.0
NW 82 W                  1299.     1289.       5.0
NW 164 W                 1221.     1264.       5.0
NW MID W                 1051.     1231.       5.0
SW MID W                 1046.     1148.       5.0
SW 164 W                 1257.     1201.       5.0
SW 82 W                  1338.     1224.       5.0
SW CNR                   1416.     1244.       5.0
SW 82 S                  1452.     1169.       5.0
SW 164 S                 1487.     1094.       5.0
SW MID S                 1524.     1013.       5.0
Site 8 No Build PM 2035                 36  1   0
  1
WB        Lom ap    AG  2349.  1748.  1969.  1554.   1010. 7.8   0  44   30.
  1
WB        Lom ap1   AG  1969.  1554.  1855.  1537.    505. 7.8   0  44   30.
  1
WB        Lom ap1   AG  1855.  1537.  1793.  1506.    505. 7.8   0  44   30.
  1
WB        Lom ap1   AG  1793.  1506.  1719.  1436.    505. 7.8   0  44   30.
  1
WB        Lom ap2   AG  1969.  1554.  1888.  1494.    505. 7.8   0  32   30.
  1
WB        Lom ap2   AG  1888.  1494.  1831.  1463.    505. 7.8   0  32   30.
  1
WB        Lom ap2   AG  1831.  1463.  1719.  1436.    505. 7.8   0  32   30.
  1
WB        Lom ap3   AG  1719.  1436.  1501.  1326.   1010. 7.8   0  56   30.
  2
WB        Lom ap    AG  1535.  1343.  1688.  1421.      0.  36   3
       110        80       2.0 1010   42.1 1542 1 3
  1
WB        Lom dep   AG  1501.  1326.  1347.  1267.   2100. 7.8   0  68   30.
  1
WB        Lom dep   AG  1347.  1267.  1160.  1201.   2100. 7.8   0  68   30.
  1
WB        Lom dep   AG  1160.  1201.  1011.  1183.   2100. 7.8   0  92   30.
  1
WB        Lom dep   AG  1011.  1183.   807.  1176.   2100. 7.8   0  80   30.
  1
WB        Lom dep   AG   807.  1176.   465.  1161.   2100. 7.8   0  80   30.
  1
NB        Pres ap   AG  1934.   426.  1839.   622.   2965. 7.9   0  56   35.
  1
NB        Pres ap   AG  1839.   622.  1721.   844.   2965. 7.9   0  68   35.
  1
NB        Pres ap   AG  1721.   844.  1639.  1016.   2965. 7.9   0  68   35.
  1
NB        Pres thru AG  1639.  1016.  1591.  1125.   2025. 7.9   0  56   35.
  1
NB        Pres thru AG  1591.  1125.  1503.  1304.   2025. 7.9   0  56   35.
  2
NB        Pres ap   AG  1519.  1271.  1579.  1151.      0.  36   3
       110        30       2.0 2025   42.1 1719 1 3
  1
NB        Pres left AG  1639.  1016.  1569.  1111.    940. 7.9   0  44   35.
  1
NB        Pres left AG  1569.  1111.  1480.  1294.    940. 7.9   0  44   35.
  2
NB        Pres left AG  1498.  1258.  1556.  1138.      0.  24   2
       110        70       2.0  940   42.1 1687 1 3
  1
NB        Pres dep  AG  1503.  1304.  1326.  1668.   2165. 7.9   0  56   35.
```

```
  1
NB        Pres dep  AG  1326.  1668.  1181.  1944.   2165. 7.9   0  68   35.
  1
NB        Pres dep  AG  1181.  1944.  1024.  2203.   2165. 7.9   0  68   35.
  1
SB        Pres ap   AG   950.  2164.  1048.  2012.   1665. 7.9   0  56   35.
  1
SB        Pres ap   AG  1048.  2012.  1181.  1795.   1665. 7.9   0  56   35.
  1
SB        Pres ap   AG  1181.  1795.  1272.  1632.   1665. 7.9   0  56   35.
  1
SB        Pres ap   AG  1272.  1632.  1347.  1477.   1665. 7.9   0  56   35.
  1
SB        Pres ap   AG  1347.  1477.  1412.  1304.   1665. 7.9   0  68   35.
  2
SB        Pres ap   AG  1398.  1342.  1351.  1464.      0.  48   4
       110        70       2.0 1665   42.1 1476 1 3
  1
SB        Pres dep  AG  1412.  1304.  1468.  1205.   1375. 7.9   0  56   35.
  1
SB        Pres dep  AG  1468.  1205.  1648.   829.   1375. 7.9   0  56   35.
  1
SB        Pres dep  AG  1648.   829.  1773.   581.   1375. 7.9   0  56   35.
  1
SB        Pres dep  AG  1773.   581.  1867.   393.   1375. 7.9   0  56   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S8 Lombard & President NBPM35 RUN: Site 8 No Build PM 2035
DATE: 09/04/2012 TIME: 12:30:56.48

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. WB	Lom ap	2349.0	1748.0	1969.0	1554.0	427.	243.	AG	1010.	7.8	.0	44.0		
2. WB	Lom ap1	1969.0	1554.0	1855.0	1537.0	115.	262.	AG	505.	7.8	.0	44.0		
3. WB	Lom ap1	1855.0	1537.0	1793.0	1506.0	69.	243.	AG	505.	7.8	.0	44.0		
4. WB	Lom ap1	1793.0	1506.0	1719.0	1436.0	102.	227.	AG	505.	7.8	.0	44.0		
5. WB	Lom ap2	1969.0	1554.0	1888.0	1494.0	101.	233.	AG	505.	7.8	.0	32.0		
6. WB	Lom ap2	1888.0	1494.0	1831.0	1463.0	65.	241.	AG	505.	7.8	.0	32.0		
7. WB	Lom ap2	1831.0	1463.0	1719.0	1436.0	115.	256.	AG	505.	7.8	.0	32.0		
8. WB	Lom ap3	1719.0	1436.0	1501.0	1326.0	244.	243.	AG	1010.	7.8	.0	56.0		
9. WB	Lom ap	1535.0	1343.0	1706.9	1430.6	193.	63.	AG	246.	100.0	.0	36.0	.92	9.8
10. WB	Lom dep	1501.0	1326.0	1347.0	1267.0	165.	249.	AG	2100.	7.8	.0	68.0		
11. WB	Lom dep	1347.0	1267.0	1160.0	1201.0	198.	251.	AG	2100.	7.8	.0	68.0		
12. WB	Lom dep	1160.0	1201.0	1011.0	1183.0	150.	263.	AG	2100.	7.8	.0	92.0		
13. WB	Lom dep	1011.0	1183.0	807.0	1176.0	204.	268.	AG	2100.	7.8	.0	80.0		
14. WB	Lom dep	807.0	1176.0	465.0	1161.0	342.	267.	AG	2100.	7.8	.0	80.0		
15. NB	Pres ap	1934.0	426.0	1839.0	622.0	218.	334.	AG	2965.	7.9	.0	56.0		
16. NB	Pres ap	1839.0	622.0	1721.0	844.0	251.	332.	AG	2965.	7.9	.0	68.0		
17. NB	Pres ap	1721.0	844.0	1639.0	1016.0	191.	335.	AG	2965.	7.9	.0	68.0		
18. NB	Pres thru	1639.0	1016.0	1591.0	1125.0	119.	336.	AG	2025.	7.9	.0	56.0		
19. NB	Pres thru	1591.0	1125.0	1503.0	1304.0	199.	334.	AG	2025.	7.9	.0	56.0		
20. NB	Pres ap	1519.0	1271.0	1568.5	1172.0	111.	153.	AG	92.	100.0	.0	36.0	.57	5.6
21. NB	Pres left	1639.0	1016.0	1569.0	1111.0	118.	324.	AG	940.	7.9	.0	44.0		
22. NB	Pres left	1569.0	1111.0	1480.0	1294.0	203.	334.	AG	940.	7.9	.0	44.0		
23. NB	Pres left	1498.0	1258.0	1585.1	1077.7	200.	154.	AG	144.	100.0	.0	24.0	.85	10.2
24. NB	Pres dep	1503.0	1304.0	1326.0	1668.0	405.	334.	AG	2165.	7.9	.0	56.0		
25. NB	Pres dep	1326.0	1668.0	1181.0	1944.0	312.	332.	AG	2165.	7.9	.0	68.0		
26. NB	Pres dep	1181.0	1944.0	1024.0	2203.0	303.	329.	AG	2165.	7.9	.0	68.0		
27. SB	Pres ap	950.0	2164.0	1048.0	2012.0	181.	147.	AG	1665.	7.9	.0	56.0		
28. SB	Pres ap	1048.0	2012.0	1181.0	1795.0	255.	148.	AG	1665.	7.9	.0	56.0		
29. SB	Pres ap	1181.0	1795.0	1272.0	1632.0	187.	151.	AG	1665.	7.9	.0	56.0		
30. SB	Pres ap	1272.0	1632.0	1347.0	1477.0	172.	154.	AG	1665.	7.9	.0	56.0		
31. SB	Pres ap	1347.0	1477.0	1412.0	1304.0	185.	159.	AG	1665.	7.9	.0	68.0		
32. SB	Pres ap	1398.0	1342.0	1332.3	1512.6	183.	339.	AG	287.	100.0	.0	48.0	.86	9.3
33. SB	Pres dep	1412.0	1304.0	1468.0	1205.0	114.	151.	AG	1375.	7.9	.0	56.0		
34. SB	Pres dep	1468.0	1205.0	1648.0	829.0	417.	154.	AG	1375.	7.9	.0	56.0		
35. SB	Pres dep	1648.0	829.0	1773.0	581.0	278.	153.	AG	1375.	7.9	.0	56.0		
36. SB	Pres dep	1773.0	581.0	1867.0	393.0	210.	153.	AG	1375.	7.9	.0	56.0		

JOB: S8 Lombard & President NBPM35 RUN: Site 8 No Build PM 2035
DATE: 09/04/2012 TIME: 12:30:56.48

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
9. WB	Lom ap	110	80	2.0	1010	1542	42.10	1	3
20. NB	Pres ap	110	30	2.0	2025	1719	42.10	1	3
23. NB	Pres left	110	70	2.0	940	1687	42.10	1	3
32. SB	Pres ap	110	70	2.0	1665	1476	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1661.0	1054.0	5.0
2. SE 164 S	1607.0	1165.0	5.0
3. SE 82 S	1570.0	1238.0	5.0
4. SE CNR	1534.0	1312.0	5.0
5. SE 82 E	1607.0	1350.0	5.0
6. SE 164 E	1680.0	1387.0	5.0
7. SE MID E	1808.0	1440.0	5.0
8. NE MID E	1762.0	1504.0	5.0
9. NE 164 E	1657.0	1430.0	5.0
10. NE 82 E	1583.0	1395.0	5.0
11. NE CNR	1511.0	1367.0	5.0
12. NE 82 N	1473.0	1435.0	5.0
13. NE 164 N	1436.0	1510.0	5.0
14. NE MID N	1378.0	1629.0	5.0
15. NW MID N	1254.0	1606.0	5.0
16. NW 164 N	1319.0	1466.0	5.0
17. NW 82 N	1344.0	1387.0	5.0
18. NW CNR	1366.0	1316.0	5.0
19. NW 82 W	1299.0	1289.0	5.0
20. NW 164 W	1221.0	1264.0	5.0

21. NW MID W	*	1051.0	1231.0	5.0	*
22. SW MID W	*	1046.0	1148.0	5.0	*
23. SW 164 W	*	1257.0	1201.0	5.0	*
24. SW 82 W	*	1338.0	1224.0	5.0	*
25. SW CNR	*	1416.0	1244.0	5.0	*
26. SW 82 S	*	1452.0	1169.0	5.0	*
27. SW 164 S	*	1487.0	1094.0	5.0	*
28. SW MID S	*	1524.0	1013.0	5.0	*

1

JOB: S8 Lombard & President NBPM35 RUN: Site 8 No Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.4	.5	.8	.9	.9	.2	.0	.0	.0	.1	.1	.1	.1	.8	1.4	1.7	1.6	.4	.1
5.	.1	.3	.4	.7	1.1	.9	.2	.0	.0	.0	.0	.1	.1	.1	.9	1.3	1.8	1.5	.6	.2
10.	.1	.3	.4	.8	1.1	.9	.2	.0	.0	.0	.0	.1	.1	.1	.9	1.4	1.6	1.4	.7	.3
15.	.0	.2	.4	.9	1.1	1.0	.2	.0	.0	.0	.0	.1	.1	.1	.8	1.5	1.7	1.4	.6	.4
20.	.0	.1	.4	.9	1.2	1.0	.1	.0	.0	.0	.0	.0	.1	.1	.8	1.5	1.7	1.3	.7	.3
25.	.0	.1	.4	1.0	1.2	.8	.1	.0	.0	.0	.0	.0	.0	.0	.8	1.5	1.6	1.3	.8	.5
30.	.0	.1	.3	1.0	1.2	.9	.1	.0	.1	.1	.0	.0	.0	.0	.6	1.5	1.5	1.2	.8	.5
35.	.0	.0	.3	1.1	1.2	.8	.2	.0	.2	.1	.0	.0	.0	.0	.7	1.6	1.5	1.2	.8	.4
40.	.0	.0	.2	1.1	1.2	.9	.2	.1	.2	.2	.0	.0	.0	.0	.8	1.5	1.4	1.1	.7	.4
45.	.0	.0	.1	1.2	1.1	.8	.3	.1	.2	.2	.2	.0	.0	.0	.7	1.5	1.4	1.2	.7	.4
50.	.0	.0	.1	1.1	1.0	.7	.3	.2	.2	.3	.2	.0	.0	.0	.6	1.5	1.4	1.1	.8	.5
55.	.0	.0	.0	1.0	.9	.6	.3	.2	.4	.5	.3	.0	.0	.0	.8	1.6	1.4	1.1	.9	.5
60.	.0	.0	.0	.9	.8	.6	.3	.3	.6	.6	.5	.0	.0	.0	.7	1.6	1.4	1.2	1.0	.7
65.	.0	.0	.0	.8	.6	.4	.3	.3	.7	.9	.6	.0	.0	.0	.6	1.6	1.4	1.3	1.1	.7
70.	.0	.0	.0	.5	.4	.2	.3	.3	.9	1.0	.9	.0	.0	.0	.6	1.6	1.5	1.3	1.0	.9
75.	.0	.0	.0	.3	.3	.1	.1	.3	.9	1.1	1.0	.1	.0	.0	.7	1.7	1.5	1.4	1.1	.9
80.	.0	.0	.0	.2	.2	.1	.1	.3	1.0	1.2	1.0	.1	.0	.0	.7	1.6	1.6	1.3	1.2	1.1
85.	.0	.0	.0	.2	.2	.1	.0	.2	.9	1.2	1.1	.2	.0	.0	.7	1.7	1.7	1.5	1.2	1.0
90.	.0	.0	.0	.1	.1	.0	.0	.2	1.1	1.2	1.1	.3	.0	.0	.7	1.7	1.7	1.3	1.1	.9
95.	.0	.0	.0	.0	.0	.0	.0	.2	1.0	1.2	1.0	.3	.0	.0	.7	1.7	1.7	1.3	.8	.9
100.	.0	.0	.0	.0	.0	.0	.0	.2	1.1	1.2	1.0	.4	.1	.0	.8	1.9	1.8	1.2	1.0	.9
105.	.0	.0	.0	.0	.0	.0	.0	.1	1.1	1.2	1.0	.4	.1	.0	.8	1.9	1.7	1.4	1.0	1.0
110.	.0	.0	.0	.0	.0	.0	.0	.1	1.1	1.2	.9	.5	.3	.1	.9	2.0	1.8	1.4	1.1	.9
115.	.0	.0	.0	.0	.0	.0	.0	.1	1.1	1.1	.9	.5	.4	.1	1.0	1.9	1.8	1.4	1.0	.8
120.	.0	.0	.0	.1	.0	.0	.0	.1	1.1	1.1	.8	.5	.4	.2	1.0	1.9	1.5	1.4	1.1	.7
125.	.0	.0	.1	.1	.0	.0	.0	.1	1.1	1.1	.7	.5	.4	.2	1.0	2.1	1.8	1.4	1.1	.7
130.	.1	.0	.1	.1	.0	.0	.0	.2	1.1	1.0	.6	.5	.4	.2	1.2	2.0	1.7	1.4	.8	.8
135.	.1	.0	.1	.1	.0	.0	.0	.2	1.1	1.0	.6	.4	.4	.3	1.2	2.0	1.8	1.4	.8	.7
140.	.3	.2	.3	.2	.0	.0	.0	.2	1.1	1.0	.6	.6	.4	.4	1.3	2.2	1.7	1.5	.8	.4
145.	.4	.3	.5	.5	.0	.0	.0	.2	1.1	1.1	.7	.6	.6	.5	1.3	2.2	1.7	1.3	.7	.4
150.	.7	.6	.6	.7	.0	.0	.0	.2	1.1	1.1	1.1	.8	.7	.7	1.2	2.0	1.4	1.1	.6	.5
155.	.8	.7	.6	.9	.2	.0	.0	.2	1.1	1.3	1.4	1.4	1.1	.9	1.1	1.6	.9	.8	.5	.5
160.	1.0	.9	1.3	1.2	.2	.0	.0	.2	1.1	1.3	1.5	1.6	1.1	1.2	.8	1.3	.9	.7	.5	.5
165.	1.1	1.0	1.4	1.5	.3	.1	.0	.2	1.3	1.5	1.4	1.4	1.2	1.4	.7	1.0	.7	.6	.5	.5
170.	1.1	1.2	1.4	1.4	.4	.2	.0	.2	1.3	1.4	1.7	1.2	1.1	1.3	.5	.8	.5	.5	.5	.5
175.	1.1	1.2	1.4	1.5	.5	.2	.1	.3	1.3	1.4	1.4	1.3	1.3	1.3	.3	.6	.3	.4	.5	.4
180.	1.0	1.0	1.6	1.3	.5	.2	.1	.5	1.2	1.8	1.4	1.3	1.2	1.3	.2	.3	.3	.5	.5	.4
185.	.9	1.1	1.4	1.4	.5	.3	.2	.4	1.5	1.7	1.5	1.1	1.2	1.4	.2	.3	.3	.5	.5	.4
190.	1.0	1.0	1.4	1.4	.7	.3	.2	.4	1.7	1.7	1.4	.9	1.2	1.3	.2	.3	.4	.6	.5	.4
195.	.9	1.0	1.3	1.3	.6	.4	.1	.5	1.5	1.7	1.4	1.0	1.3	1.2	.1	.3	.2	.5	.5	.5
200.	.9	1.1	1.4	1.1	.6	.4	.1	.6	1.6	1.7	1.3	1.1	1.3	1.2	.1	.3	.2	.5	.5	.5
205.	.8	1.1	1.4	1.2	.6	.3	.2	.8	1.6	1.7	1.2	1.1	1.4	1.2	.1	.3	.2	.6	.5	.6

1

JOB: S8 Lombard & President NBPM35 RUN: Site 8 No Build PM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.0	1.2	1.4	1.1	.6	.3	.1	.7	1.7	1.8	1.2	1.1	1.3	.9	.0	.3	.2	.6	.6	.6
215.	.9	1.2	1.4	1.1	.6	.5	.2	.6	1.8	1.7	1.1	1.2	1.2	.8	.0	.2	.2	.5	.6	.5
220.	.8	1.1	1.4	.8	.7	.7	.2	.6	1.7	1.5	1.1	1.1	1.2	.8	.1	.2	.3	.6	.6	.6
225.	1.0	1.0	1.3	.8	.7	.5	.2	.8	1.7	1.4	1.2	1.2	1.2	.7	.0	.1	.3	.6	.7	.6
230.	.9	1.0	1.3	.9	.8	.6	.2	.9	1.7	1.6	1.4	1.2	1.2	.7	.0	.2	.2	.7	.7	.6
235.	.9	1.0	1.3	1.1	.8	.7	.3	.7	1.7	1.4	1.3	1.2	1.1	.7	.1	.1	.3	.7	.6	.6
240.	.9	1.0	1.3	1.2	1.1	1.0	.5	.8	1.4	1.3	1.3	1.4	1.3	.8	.0	.1	.3	.6	.7	.6
245.	.9	1.0	1.4	1.4	1.1	1.2	.8	.6	1.4	1.2	1.3	1.3	1.2	.8	.0	.1	.2	.6	.6	.5
250.	.9	1.0	1.4	1.3	1.2	1.3	.7	.6	1.2	1.1	1.2	1.1	1.1	.7	.0	.1	.2	.6	.7	.6
255.	.9	1.1	1.5	1.6	1.6	1.6	.8	.4	1.1	.8	1.2	1.1	1.1	.7	.0	.0	.1	.5	.6	.5
260.	.8	1.1	1.4	1.5	1.6	1.7	.7	.2	.9	.8	1.2	1.1	1.1	.7	.0	.0	.0	.4	.5	.5
265.	.8	1.1	1.4	1.5	1.6	1.6	.7	.2	.7	.7	1.0	1.1	1.0	.7	.0	.0	.0	.1	.4	.4
270.	.9	1.2	1.5	1.5	1.5	1.7	.8	.2	.7	.6	1.1	1.1	.9	.7	.0	.0	.0	.0	.1	.4
275.	1.0	1.2	1.5	1.4	1.6	1.6	.8	.2	.7	.6	1.0	1.1	.9	.7	.0	.0	.0	.0	.1	.1
280.	1.0	1.3	1.5	1.3	1.7	1.6	.7	.1	.5	.5	1.0	1.3	.9	.8	.0	.0	.0	.0	.1	.0
285.	1.1	1.5	1.4	1.5	1.6	1.6	.5	.1	.4	.6	1.2	1.1	.9	.9	.0	.0	.0	.0	.1	.0
290.	1.1	1.6	1.5	1.6	1.7	1.4	.4	.2	.4	.7	1.2	1.1	.9	.8	.0	.0	.0	.0	.0	.0
295.	1.3	1.6	1.5	1.7	1.8	1.5	.5	.1	.2	.6	1.2	1.1	.8	.9	.0	.0	.0	.0	.0	.0
300.	1.3	1.6	1.6	1.7	1.8	1.3	.4	.1	.2	.5	1.1	1.1	1.0	.9	.0	.0	.0	.0	.0	.0

305. *	1.2	1.6	1.5	1.6	1.3	1.3	.4	.1	.2	.4	1.2	1.0	1.0	1.1	.1	.1	.0	.0	.0	.0
310. *	1.3	1.6	1.5	1.6	1.4	1.1	.3	.1	.2	.4	1.1	1.0	1.0	.9	.1	.1	.1	.0	.0	.0
315. *	1.5	1.6	1.4	1.4	1.2	1.1	.2	.0	.2	.3	1.2	1.2	1.1	1.1	.1	.1	.1	.0	.0	.0
320. *	1.5	1.5	1.5	1.5	1.2	1.0	.2	.0	.1	.2	1.1	1.0	1.2	1.1	.3	.2	.2	.1	.0	.0
325. *	1.1	1.4	1.5	1.3	1.2	1.1	.2	.0	.1	.2	.9	1.0	1.1	.9	.4	.4	.3	.2	.0	.0
330. *	1.1	1.1	1.2	1.1	1.3	1.0	.2	.0	.0	.2	.7	.8	1.0	.9	.6	.7	.5	.4	.0	.0
335. *	.9	1.1	1.1	1.0	1.1	1.0	.2	.0	.0	.1	.5	.6	.8	.6	.8	1.0	.8	.8	.0	.0
340. *	.5	.8	.7	.9	1.0	1.0	.2	.0	.0	.0	.4	.5	.5	.6	.8	1.0	1.1	1.1	.0	.0
345. *	.4	.5	.6	.7	.9	.9	.1	.0	.0	.0	.2	.4	.4	.3	1.0	1.3	1.3	1.2	.1	.0
350. *	.3	.5	.5	.6	.9	.9	.1	.0	.0	.0	.1	.2	.3	.2	1.0	1.3	1.5	1.4	.4	.0
355. *	.1	.4	.5	.6	.9	.9	.1	.0	.0	.0	.1	.1	.1	.2	.9	1.3	1.6	1.6	.4	.1
360. *	.1	.4	.5	.8	.9	.9	.2	.0	.0	.0	.1	.1	.1	.1	.8	1.4	1.7	1.6	.4	.1
MAX *	1.5	1.6	1.6	1.7	1.8	1.7	.8	.9	1.8	1.8	1.7	1.6	1.4	1.4	1.3	2.2	1.8	1.6	1.2	1.1
DEGR. *	315	290	180	295	295	260	245	230	215	180	170	160	205	165	140	140	125	0	80	80

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JOB: S8 Lombard & President NBPM35 RUN: Site 8 No Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.5	.8	1.2	1.5	1.0	1.2	1.2
5. *	.0	.5	.9	1.2	1.4	1.1	1.2	1.2
10. *	.0	.4	.9	1.2	1.3	1.0	1.2	1.1
15. *	.1	.6	1.0	1.3	1.2	1.0	1.3	1.1
20. *	.1	.6	.9	1.2	1.2	1.1	1.2	1.1
25. *	.1	.5	.9	1.1	1.1	1.2	1.2	1.1
30. *	.1	.5	1.1	1.2	1.0	1.3	1.1	.8
35. *	.2	.7	1.1	1.1	1.1	1.2	1.0	.7
40. *	.3	.8	1.1	1.2	1.1	1.3	1.0	.8
45. *	.3	.8	1.1	1.0	1.3	1.3	.9	.7
50. *	.3	.9	1.1	1.1	1.3	1.1	.8	.7
55. *	.4	1.0	1.1	1.0	1.3	1.0	.8	.6
60. *	.4	1.0	1.1	1.0	1.2	1.0	.8	.6
65. *	.5	1.1	1.0	.9	1.3	1.0	1.0	.6
70. *	.8	.9	1.0	.9	1.0	.9	.8	.6
75. *	.8	.7	.7	.7	1.0	.9	.9	.7
80. *	.7	.6	.6	.7	.8	.9	.9	.7
85. *	.6	.4	.6	.6	.8	.9	.9	.6
90. *	.6	.4	.5	.6	.8	.9	.7	.7
95. *	.6	.3	.4	.6	.9	.8	.7	.6
100. *	.6	.3	.4	.5	1.0	1.0	.9	.7
105. *	.7	.2	.4	.5	1.0	.9	.9	.7
110. *	.6	.1	.3	.5	1.1	.9	.9	.7
115. *	.7	.1	.3	.4	1.1	1.1	.8	.8
120. *	.6	.1	.3	.6	1.1	1.0	.8	.8
125. *	.5	.1	.4	.5	1.1	.9	.9	.8
130. *	.5	.1	.3	.4	1.1	1.0	.9	.7
135. *	.5	.1	.2	.3	1.2	1.1	.8	1.0
140. *	.5	.1	.0	.3	1.0	.8	.8	.9
145. *	.4	.1	.0	.3	.9	.7	.9	.8
150. *	.4	.0	.0	.1	.7	.6	.7	.7
155. *	.4	.0	.0	.0	.6	.6	.6	.5
160. *	.4	.0	.0	.0	.3	.3	.3	.3
165. *	.5	.0	.0	.0	.2	.2	.2	.1
170. *	.5	.0	.0	.0	.2	.1	.1	.1
175. *	.5	.0	.0	.0	.2	.1	.1	.1
180. *	.5	.0	.0	.0	.1	.1	.1	.0
185. *	.5	.0	.0	.0	.1	.0	.0	.0
190. *	.4	.0	.0	.0	.0	.0	.0	.0
195. *	.4	.0	.1	.0	.0	.0	.0	.0
200. *	.5	.0	.1	.0	.0	.0	.0	.0
205. *	.5	.0	.1	.0	.0	.0	.0	.0

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JOB: S8 Lombard & President NBPM35 RUN: Site 8 No Build PM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210. *	.6	.0	.1	.0	.0	.0	.0	.0
215. *	.5	.0	.1	.0	.0	.0	.0	.0
220. *	.5	.0	.1	.1	.0	.0	.0	.0
225. *	.6	.0	.1	.1	.0	.0	.0	.0
230. *	.6	.0	.1	.1	.0	.0	.0	.0
235. *	.6	.0	.3	.1	.1	.0	.0	.0
240. *	.8	.1	.3	.2	.1	.0	.0	.0
245. *	.8	.2	.4	.4	.1	.0	.0	.0
250. *	.7	.2	.6	.5	.4	.0	.0	.0

255.	*	.7	.5	.7	.6	.6	.0	.0	.0
260.	*	.6	.5	.8	.8	.6	.0	.0	.0
265.	*	.6	.6	.9	.8	.8	.2	.0	.0
270.	*	.5	.7	.9	.9	.7	.3	.0	.0
275.	*	.4	.8	.9	.8	.6	.3	.1	.0
280.	*	.3	.7	.8	.7	.5	.3	.2	.0
285.	*	.2	.7	.7	.7	.5	.3	.2	.0
290.	*	.0	.7	.7	.6	.5	.2	.2	.0
295.	*	.0	.7	.6	.5	.6	.2	.1	.1
300.	*	.0	.7	.6	.5	.6	.3	.1	.1
305.	*	.0	.6	.5	.5	.6	.2	.1	.1
310.	*	.0	.6	.5	.5	.6	.2	.1	.1
315.	*	.0	.6	.5	.5	.7	.3	.3	.2
320.	*	.0	.5	.5	.5	.7	.5	.4	.2
325.	*	.0	.6	.5	.5	1.0	.5	.6	.4
330.	*	.0	.5	.5	.5	1.2	.8	.7	.5
335.	*	.0	.5	.5	.5	1.5	1.1	.7	.8
340.	*	.0	.5	.5	.6	1.6	1.1	1.0	.8
345.	*	.0	.4	.5	.8	1.8	1.2	1.0	1.2
350.	*	.0	.4	.6	1.1	1.8	1.2	1.0	1.1
355.	*	.0	.5	.6	1.1	1.7	1.1	1.3	1.0
360.	*	.0	.5	.8	1.2	1.5	1.0	1.2	1.2
MAX	*	.8	1.1	1.1	1.3	1.8	1.3	1.3	1.2
DEGR.	*	70	65	30	15	345	30	15	0

THE HIGHEST CONCENTRATION IS 2.20 PPM AT 140 DEGREES FROM REC16.
THE 2ND HIGHEST CONCENTRATION IS 1.80 PPM AT 295 DEGREES FROM REC5 .
THE 3RD HIGHEST CONCENTRATION IS 1.80 PPM AT 180 DEGREES FROM REC10.

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S9 Eastern & Patterson BDAM21           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1259.      865.       5.0
SE 164 S                 1251.     1003.       5.0
SE 82 S                  1247.     1084.       5.0
SE CNR                   1244.     1165.       5.0
SE 82 E                  1325.     1170.       5.0
SE 164 E                 1406.     1175.       5.0
SE MID E                 1567.     1182.       5.0
NE MID E                 1559.     1244.       5.0
NE 164 E                 1406.     1237.       5.0
NE 82 E                  1324.     1232.       5.0
NE CNR                   1245.     1233.       5.0
NE 82 N                  1240.     1308.       5.0
NE 164 N                 1236.     1391.       5.0
NE MID N                 1232.     1529.       5.0
NW MID N                 1168.     1532.       5.0
NW 164 N                 1174.     1388.       5.0
NW 82 N                  1177.     1307.       5.0
NW CNR                   1179.     1225.       5.0
NW 82 W                  1098.     1220.       5.0
NW 164 W                 1016.     1216.       5.0
NW MID W                  818.     1206.       5.0
SW MID W                  819.     1143.       5.0
SW 164 W                 1018.     1154.       5.0
SW 82 W                  1101.     1159.       5.0
SW CNR                   1178.     1160.       5.0
SW 82 S                  1186.     1082.       5.0
SW 164 S                 1190.     1000.       5.0
SW MID S                 1198.      862.       5.0
Site 9 Build AM 2021                     19  1   0
  1
EB        East      AG   216.  1138.  1017.  1179.    360. 8.1   0  32   35.
  1
EB        East      AG  1017.  1179.  1215.  1189.    360. 8.1   0  32   35.
  2
EB        East      AG  1172.  1187.  1026.  1179.      0.  12   1
       110        50       2.0  360   43.6  822 1 3
  1
EB        East dep  AG  1215.  1189.  2213.  1238.    625. 8.1   0  32   35.
  1
WB        East      AG  2212.  1252.  1563.  1220.   1010. 8.1   0  32   35.
  1
WB        East      AG  1563.  1220.  1213.  1202.   1010. 8.1   0  32   35.
  2
WB        East      AG  1255.  1204.  1532.  1218.      0.  12   1
       110        60       2.0 1010   43.6 1348 1 3
  1
WB        East dep  AG  1213.  1202.   216.  1149.    745. 8.1   0  32   35.
  1
NB        PP ap     AG  1253.   522.  1227.  1042.    410. 8.2   0  32   25.
  1
NB        PP ap     AG  1227.  1042.  1221.  1196.    410. 8.2   0  44   25.
  2
NB        PP        AG  1223.  1159.  1227.  1052.      0.  24   2
       110        75       2.0  410   43.6 1400 1 3
  1
NB        PP dep    AG  1221.  1196.  1204.  1564.    770. 8.2   0  32   25.
  1
NB        PP dep    AG  1204.  1564.  1183.  1927.    770. 8.2   0  32   25.
  1
NB        PP dep    AG  1183.  1927.  1171.  2195.    770. 8.2   0  32   25.
  1
SB        PP ap     AG  1155.  2196.  1171.  1926.    600. 8.2   0  32   25.
  1
SB        PP ap     AG  1171.  1926.  1189.  1552.    600. 8.2   0  32   25.
  1
SB        PP ap     AG  1189.  1552.  1202.  1195.    600. 8.2   0  44   25.
  2
SB        PP        AG  1201.  1237.  1193.  1431.      0.  24   2
       110        60       2.0  600   43.6  967 1 3
  1
SB        PP dep    AG  1202.  1195.  1241.   529.    240. 8.2   0  32   25.
1.0   04  1000   0Y  5  0 72
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JOB: S9 Eastern & Patterson BDAM21 RUN: Site 9 Build AM 2021
DATE: 09/07/2012 TIME: 12:17:26.76

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	East	*	216.0	1138.0	1017.0	1179.0	*	802.	87.	AG	360.	8.1	.0	32.0		
2. EB	East	*	1017.0	1179.0	1215.0	1189.0	*	198.	87.	AG	360.	8.1	.0	32.0		
3. EB	East	*	1172.0	1187.0	1051.8	1180.4	*	120.	267.	AG	53.	100.0	.0	12.0	.86	6.1
4. EB	East dep	*	1215.0	1189.0	2213.0	1238.0	*	999.	87.	AG	625.	8.1	.0	32.0		
5. WB	East	*	2212.0	1252.0	1563.0	1220.0	*	650.	267.	AG	1010.	8.1	.0	32.0		
6. WB	East	*	1563.0	1220.0	1213.0	1202.0	*	350.	267.	AG	1010.	8.1	.0	32.0		
7. WB	East	*	1255.0	1204.0	6187.1	1453.3	*	4938.	87.	AG	64.	100.0	.0	12.0	1.79	250.9
8. WB	East dep	*	1213.0	1202.0	216.0	1149.0	*	998.	267.	AG	745.	8.1	.0	32.0		
9. NB	PP ap	*	1253.0	522.0	1227.0	1042.0	*	521.	357.	AG	410.	8.2	.0	32.0		
10. NB	PP ap	*	1227.0	1042.0	1221.0	1196.0	*	154.	358.	AG	410.	8.2	.0	44.0		
11. NB	PP	*	1223.0	1159.0	1226.1	1075.0	*	84.	178.	AG	159.	100.0	.0	24.0	.52	4.3
12. NB	PP dep	*	1221.0	1196.0	1204.0	1564.0	*	368.	357.	AG	770.	8.2	.0	32.0		
13. NB	PP dep	*	1204.0	1564.0	1183.0	1927.0	*	364.	357.	AG	770.	8.2	.0	32.0		
14. NB	PP dep	*	1183.0	1927.0	1171.0	2195.0	*	268.	357.	AG	770.	8.2	.0	32.0		
15. SB	PP ap	*	1155.0	2196.0	1171.0	1926.0	*	270.	177.	AG	600.	8.2	.0	32.0		
16. SB	PP ap	*	1171.0	1926.0	1189.0	1552.0	*	374.	177.	AG	600.	8.2	.0	32.0		
17. SB	PP ap	*	1189.0	1552.0	1202.0	1195.0	*	357.	178.	AG	600.	8.2	.0	44.0		
18. SB	PP	*	1201.0	1237.0	1196.9	1336.7	*	100.	358.	AG	128.	100.0	.0	24.0	.74	5.1
19. SB	PP dep	*	1202.0	1195.0	1241.0	529.0	*	667.	177.	AG	240.	8.2	.0	32.0		

JOB: S9 Eastern & Patterson BDAM21 RUN: Site 9 Build AM 2021
DATE: 09/07/2012 TIME: 12:17:26.76

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. EB	East	*	110	50	2.0	360	822	43.60	1	3
7. WB	East	*	110	60	2.0	1010	1348	43.60	1	3
11. NB	PP	*	110	75	2.0	410	1400	43.60	1	3
18. SB	PP	*	110	60	2.0	600	967	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1259.0	865.0	5.0	*
2. SE 164 S	*	1251.0	1003.0	5.0	*
3. SE 82 S	*	1247.0	1084.0	5.0	*
4. SE CNR	*	1244.0	1165.0	5.0	*
5. SE 82 E	*	1325.0	1170.0	5.0	*
6. SE 164 E	*	1406.0	1175.0	5.0	*
7. SE MID E	*	1567.0	1182.0	5.0	*
8. NE MID E	*	1559.0	1244.0	5.0	*
9. NE 164 E	*	1406.0	1237.0	5.0	*
10. NE 82 E	*	1324.0	1232.0	5.0	*
11. NE CNR	*	1245.0	1233.0	5.0	*
12. NE 82 N	*	1240.0	1308.0	5.0	*
13. NE 164 N	*	1236.0	1391.0	5.0	*
14. NE MID N	*	1232.0	1529.0	5.0	*
15. NW MID N	*	1168.0	1532.0	5.0	*
16. NW 164 N	*	1174.0	1388.0	5.0	*
17. NW 82 N	*	1177.0	1307.0	5.0	*
18. NW CNR	*	1179.0	1225.0	5.0	*
19. NW 82 W	*	1098.0	1220.0	5.0	*
20. NW 164 W	*	1016.0	1216.0	5.0	*
21. NW MID W	*	818.0	1206.0	5.0	*
22. SW MID W	*	819.0	1143.0	5.0	*
23. SW 164 W	*	1018.0	1154.0	5.0	*
24. SW 82 W	*	1101.0	1159.0	5.0	*
25. SW CNR	*	1178.0	1160.0	5.0	*
26. SW 82 S	*	1186.0	1082.0	5.0	*
27. SW 164 S	*	1190.0	1000.0	5.0	*
28. SW MID S	*	1198.0	862.0	5.0	*

JOB: S9 Eastern & Patterson BDAM21 RUN: Site 9 Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first

angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.3	.7	.8	.5	.5	.5	.0	.0	.0	.2	.2	.2	.2	.4	.5	.3	.5	.0	.0
5.	.0	.2	.5	.5	.5	.5	.5	.0	.0	.0	.1	.1	.1	.1	.4	.5	.4	.6	.0	.0
10.	.0	.2	.4	.5	.5	.5	.5	.0	.0	.0	.1	.1	.1	.1	.5	.4	.5	.8	.0	.0
15.	.0	.1	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.5	.4	.6	.9	.0	.0
20.	.0	.1	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.5	.4	.6	.8	.2	.0
25.	.0	.1	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.5	.4	.6	.8	.2	.0
30.	.0	.1	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.3	.4	.6	.8	.2	.0
35.	.0	.1	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.7	.3	.0
40.	.0	.1	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.7	.3	.0
45.	.0	.1	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.7	.3	.0
50.	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.7	.3	.0
55.	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.5	.3	.0
60.	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.4	.8	.5	.3	.1
65.	.0	.2	.3	.5	.5	.6	.6	.0	.0	.0	.0	.0	.0	.0	.2	.4	.7	.5	.3	.1
70.	.0	.2	.3	.6	.7	.7	.7	.1	.0	.1	.0	.0	.0	.0	.2	.4	.7	.5	.3	.1
75.	.0	.1	.3	.7	.7	.6	.6	.2	.3	.2	.2	.0	.0	.0	.3	.4	.7	.6	.5	.2
80.	.0	.1	.3	.7	.6	.6	.6	.4	.4	.4	.3	.0	.0	.0	.3	.4	.7	.7	.7	.4
85.	.0	.0	.1	.5	.5	.5	.5	.5	.5	.6	.4	.1	.0	.0	.3	.3	.8	.8	.7	.4
90.	.0	.0	.0	.4	.5	.5	.3	.6	.6	.6	.6	.2	.0	.0	.3	.3	.8	.9	.6	.5
95.	.0	.0	.0	.3	.4	.3	.3	.6	.6	.7	.6	.2	.1	.0	.4	.5	1.0	.9	.5	.6
100.	.0	.0	.0	.1	.1	.1	.2	.8	.8	.8	.6	.3	.1	.0	.4	.5	1.1	1.0	.5	.7
105.	.0	.0	.0	.0	.0	.0	.0	.8	.8	.7	.7	.4	.2	.0	.4	.5	1.0	1.0	.6	.5
110.	.0	.0	.0	.0	.0	.0	.0	.7	.8	.7	.6	.3	.2	.0	.4	.5	1.0	.8	.6	.5
115.	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.3	.1	.0	.4	.5	1.0	.8	.5	.5
120.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.5	.3	.0	.0	.4	.5	1.1	.7	.5	.5
125.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.5	.3	.1	.0	.4	.5	1.1	.5	.5	.4
130.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.5	.3	.1	.0	.4	.5	1.1	.7	.5	.4
135.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.5	.3	.1	.0	.4	.6	1.0	.7	.5	.3
140.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.4	.3	.1	.0	.4	.6	1.0	.6	.5	.3
145.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.4	.3	.1	.0	.4	.6	.9	.6	.5	.3
150.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.4	.3	.1	.0	.4	.6	.8	.8	.4	.3
155.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.4	.2	.1	.0	.4	.7	.9	.8	.4	.3
160.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.4	.2	.1	.0	.5	.5	.7	.8	.4	.3
165.	.0	.1	.0	.2	.0	.0	.0	.4	.4	.4	.4	.2	.2	.1	.5	.5	.7	.7	.4	.3
170.	.1	.1	.1	.2	.0	.0	.0	.4	.4	.4	.4	.4	.2	.1	.5	.5	.7	.7	.4	.2
175.	.1	.1	.2	.3	.0	.0	.0	.4	.4	.5	.5	.3	.3	.2	.4	.5	.6	.6	.4	.2
180.	.1	.1	.2	.4	.0	.0	.0	.5	.4	.5	.5	.3	.4	.3	.3	.4	.4	.6	.4	.2
185.	.1	.3	.3	.6	.0	.0	.0	.5	.4	.4	.6	.4	.4	.4	.3	.2	.3	.4	.4	.2
190.	.2	.3	.3	.6	.0	.0	.0	.4	.4	.4	.8	.5	.4	.4	.1	.2	.2	.3	.4	.3
195.	.3	.3	.3	.6	.0	.0	.0	.4	.4	.4	.8	.5	.6	.4	.1	.1	.2	.3	.4	.3
200.	.2	.3	.3	.7	.0	.0	.0	.4	.4	.4	.6	.5	.6	.3	.1	.1	.2	.4	.4	.3
205.	.2	.2	.3	.7	.0	.0	.0	.4	.5	.6	.6	.5	.6	.4	.0	.1	.1	.4	.4	.3

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WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.2	.2	.3	.7	.0	.0	.0	.5	.5	.6	.6	.6	.5	.3	.0	.1	.1	.4	.4	.3
215.	.2	.2	.3	.7	.0	.0	.0	.5	.5	.6	.6	.6	.5	.3	.0	.1	.1	.4	.4	.3
220.	.2	.2	.3	.7	.1	.0	.0	.5	.5	.6	.6	.6	.5	.3	.0	.1	.1	.4	.4	.3
225.	.2	.2	.3	.6	.1	.0	.0	.6	.6	.6	.6	.6	.5	.3	.0	.1	.1	.4	.4	.3
230.	.1	.1	.2	.5	.1	.0	.0	.6	.7	.6	.6	.6	.5	.3	.0	.1	.1	.4	.3	.3
235.	.1	.1	.3	.5	.1	.0	.0	.6	.7	.6	.6	.6	.4	.3	.0	.1	.1	.4	.3	.3
240.	.1	.1	.3	.5	.1	.1	.0	.6	.7	.6	.7	.6	.4	.3	.0	.1	.1	.5	.4	.4
245.	.1	.1	.3	.4	.1	.1	.0	.6	.6	.6	.7	.7	.4	.3	.0	.1	.1	.5	.3	.4
250.	.1	.1	.4	.4	.1	.1	.0	.7	.6	.6	.7	.7	.4	.3	.0	.0	.1	.5	.4	.4
255.	.1	.1	.4	.4	.1	.2	.1	.6	.6	.5	.6	.7	.3	.3	.0	.0	.1	.5	.4	.4
260.	.1	.1	.5	.4	.2	.3	.2	.5	.5	.5	.6	.7	.3	.3	.0	.0	.1	.3	.4	.4
265.	.1	.1	.5	.4	.3	.4	.3	.6	.5	.4	.6	.7	.3	.3	.0	.0	.0	.2	.3	.3
270.	.1	.1	.5	.5	.4	.3	.5	.4	.3	.5	.5	.5	.3	.3	.0	.0	.0	.2	.2	.3
275.	.1	.1	.6	.6	.3	.5	.5	.2	.3	.5	.5	.5	.3	.3	.0	.0	.0	.1	.1	.1
280.	.1	.1	.6	.5	.3	.6	.5	.1	.2	.4	.5	.5	.3	.3	.0	.0	.0	.1	.1	.1
285.	.1	.1	.7	.5	.4	.6	.5	.1	.2	.3	.5	.5	.3	.3	.0	.0	.0	.0	.1	.0
290.	.1	.2	.7	.5	.6	.5	.5	.0	.2	.3	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0
295.	.1	.2	.7	.5	.7	.5	.5	.0	.1	.3	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0
300.	.1	.2	.7	.4	.8	.7	.5	.0	.1	.3	.5	.5	.3	.4	.0	.0	.0	.0	.0	.0
305.	.1	.2	.7	.6	.8	.6	.5	.0	.1	.3	.5	.4	.3	.4	.0	.0	.0	.0	.0	.0
310.	.2	.3	.7	.6	.8	.6	.5	.0	.1	.3	.5	.4	.3	.4	.0	.0	.0	.0	.0	.0
315.	.2	.3	.7	.7	.8	.6	.5	.0	.0	.3	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0
320.	.2	.3	.7	.7	.8	.6	.5	.0	.0	.2	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0
325.	.2	.4	.7	.7	.8	.5	.5	.0	.0	.2	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0
330.	.2	.4	.7	.7	.7	.5	.5	.0	.0	.2	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0
335.	.2	.3	.9	.8	.7	.5	.5	.0	.0	.1	.6	.4	.3	.4	.0	.1	.1	.1	.0	.0
340.	.2	.4	.8	.8	.6	.5	.4	.0	.0	.1	.5	.4	.3	.4	.0	.1	.1	.1	.0	.0
345.	.1	.5	.8	.8	.5	.5	.5	.0	.0	.0	.4	.3	.5	.4	.1	.1	.1	.2	.0	.0
350.	.2	.5	.8	.8	.5	.5	.5	.0	.0	.0	.4	.3	.5	.3	.2	.1	.1	.2	.0	.0
355.	.2	.4	.7	.9	.5	.5	.5	.0	.0	.0	.3	.3	.5	.3	.2	.4	.3	.5	.0	.0
360.	.1	.3	.7	.8	.5	.5	.5	.0	.0	.0	.2	.2	.2	.2	.4	.5	.3	.5	.0	.0
MAX	.3	.5	.9	.9	.8	.7	.7	.8	.8	.8	.8	.7	.6	.4	.5	.7	1.1	1.0	.7	.7
DEGR.	195	345	335	355	300	300	70	100	100	100	190	245	195	185	10	155	100	100	80	100

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JOB: S9 Eastern & Patterson BDAM21 RUN: Site 9 Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.2	.1	.3	.5	.4	.4	.1
5.	.0	.2	.2	.3	.6	.5	.5	.3
10.	.0	.2	.2	.3	.6	.6	.4	.3
15.	.0	.2	.2	.4	.7	.6	.4	.2
20.	.0	.2	.2	.5	.6	.6	.5	.2
25.	.0	.2	.2	.6	.5	.6	.4	.2
30.	.0	.2	.2	.6	.6	.6	.4	.2
35.	.0	.3	.3	.6	.6	.7	.4	.2
40.	.0	.3	.3	.7	.5	.7	.3	.2
45.	.0	.3	.4	.7	.6	.8	.3	.2
50.	.0	.3	.5	.7	.5	.8	.3	.2
55.	.0	.3	.5	.6	.8	.8	.2	.2
60.	.0	.3	.5	.5	.6	.8	.2	.2
65.	.0	.3	.4	.5	.6	.8	.3	.2
70.	.0	.3	.4	.6	.7	.8	.3	.2
75.	.1	.3	.6	.6	.8	.8	.3	.2
80.	.1	.3	.6	.5	.9	.7	.3	.2
85.	.3	.3	.6	.5	.8	.6	.2	.2
90.	.3	.2	.6	.4	.6	.4	.2	.2
95.	.3	.1	.2	.4	.7	.4	.2	.2
100.	.4	.0	.1	.1	.5	.4	.2	.2
105.	.4	.0	.1	.1	.4	.3	.2	.2
110.	.4	.0	.1	.1	.5	.3	.2	.2
115.	.3	.0	.0	.1	.5	.3	.2	.2
120.	.3	.0	.0	.1	.5	.2	.2	.2
125.	.3	.0	.0	.1	.5	.2	.2	.2
130.	.3	.0	.0	.1	.5	.2	.2	.2
135.	.3	.0	.0	.0	.5	.2	.2	.2
140.	.3	.0	.0	.0	.5	.2	.2	.2
145.	.3	.0	.0	.0	.4	.2	.2	.2
150.	.3	.0	.0	.0	.4	.2	.2	.2
155.	.3	.0	.0	.0	.4	.2	.2	.2
160.	.3	.0	.0	.0	.3	.2	.2	.2
165.	.3	.0	.0	.0	.3	.2	.2	.2
170.	.3	.0	.0	.0	.3	.2	.2	.2
175.	.3	.0	.0	.0	.1	.2	.2	.2
180.	.3	.0	.0	.0	.0	.2	.1	.0
185.	.3	.0	.0	.0	.0	.0	.0	.0
190.	.3	.0	.0	.0	.0	.0	.0	.0
195.	.3	.0	.0	.0	.0	.0	.0	.0
200.	.3	.0	.0	.0	.0	.0	.0	.0
205.	.3	.0	.0	.0	.0	.0	.0	.0

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JOB: S9 Eastern & Patterson BDAM21 RUN: Site 9 Build AM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.3	.0	.0	.0	.0	.0	.0	.0
215.	.3	.0	.0	.0	.0	.0	.0	.0
220.	.3	.0	.0	.0	.0	.0	.0	.0
225.	.3	.0	.0	.0	.0	.0	.0	.0
230.	.3	.0	.0	.0	.0	.0	.0	.0
235.	.3	.0	.0	.0	.0	.0	.0	.0
240.	.3	.0	.0	.0	.0	.0	.0	.0
245.	.4	.0	.0	.0	.0	.0	.0	.0
250.	.4	.0	.0	.0	.0	.0	.0	.0
255.	.4	.0	.0	.1	.0	.0	.0	.0
260.	.3	.2	.2	.1	.1	.0	.0	.0
265.	.3	.2	.2	.2	.1	.0	.0	.0
270.	.2	.2	.2	.3	.3	.0	.0	.0
275.	.1	.3	.3	.4	.4	.1	.0	.0
280.	.1	.3	.3	.4	.4	.1	.0	.0
285.	.0	.3	.3	.4	.4	.1	.0	.0
290.	.0	.3	.3	.4	.4	.1	.1	.0
295.	.0	.3	.3	.4	.4	.1	.1	.0
300.	.0	.3	.3	.4	.4	.1	.1	.0
305.	.0	.3	.3	.4	.4	.1	.1	.0
310.	.0	.3	.3	.4	.4	.1	.1	.0
315.	.0	.3	.3	.4	.4	.1	.1	.0
320.	.0	.3	.3	.4	.3	.1	.0	.0
325.	.0	.2	.2	.4	.3	.1	.0	.0
330.	.0	.2	.2	.3	.3	.1	.0	.0
335.	.0	.2	.2	.3	.3	.1	.0	.0

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340.  *    .0    .2    .2    .3    .3    .1    .0    .0
345.  *    .0    .2    .2    .3    .4    .1    .0    .0
350.  *    .0    .2    .2    .3    .4    .2    .0    .0
355.  *    .0    .2    .1    .3    .5    .4    .1    .1
360.  *    .0    .2    .1    .3    .5    .4    .4    .1
------*-----------------------------------------------
MAX   *    .4    .3    .6    .7    .9    .8    .5    .3
DEGR. *  100    35    75    40    80    45     5     5

THE HIGHEST CONCENTRATION IS    1.10 PPM AT  100 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS    1.00 PPM AT  100 DEGREES FROM REC18.
THE 3RD HIGHEST CONCENTRATION IS     .90 PPM AT  335 DEGREES FROM REC3 .
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S9 Eastern & Patterson BDAM35           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1259.      865.       5.0
SE 164 S                 1251.     1003.       5.0
SE 82 S                  1247.     1084.       5.0
SE CNR                   1244.     1165.       5.0
SE 82 E                  1325.     1170.       5.0
SE 164 E                 1406.     1175.       5.0
SE MID E                 1567.     1182.       5.0
NE MID E                 1559.     1244.       5.0
NE 164 E                 1406.     1237.       5.0
NE 82 E                  1324.     1232.       5.0
NE CNR                   1245.     1233.       5.0
NE 82 N                  1240.     1308.       5.0
NE 164 N                 1236.     1391.       5.0
NE MID N                 1232.     1529.       5.0
NW MID N                 1168.     1532.       5.0
NW 164 N                 1174.     1388.       5.0
NW 82 N                  1177.     1307.       5.0
NW CNR                   1179.     1225.       5.0
NW 82 W                  1098.     1220.       5.0
NW 164 W                 1016.     1216.       5.0
NW MID W                  818.     1206.       5.0
SW MID W                  819.     1143.       5.0
SW 164 W                 1018.     1154.       5.0
SW 82 W                  1101.     1159.       5.0
SW CNR                   1178.     1160.       5.0
SW 82 S                  1186.     1082.       5.0
SW 164 S                 1190.     1000.       5.0
SW MID S                 1198.      862.       5.0
Site 9 Build AM 2035                     19  1   0
  1
EB        East      AG   216.  1138.  1017.  1179.    310. 7.9   0  32   35.
  1
EB        East      AG  1017.  1179.  1215.  1189.    310. 7.9   0  32   35.
  2
EB        East      AG  1172.  1187.  1026.  1179.      0.  12   1
       110        50       2.0  310   42.1  819 1 3
  1
EB        East dep  AG  1215.  1189.  2213.  1238.    730. 7.9   0  32   35.
  1
WB        East      AG  2212.  1252.  1563.  1220.   1835. 7.9   0  32   35.
  1
WB        East      AG  1563.  1220.  1213.  1202.   1835. 7.9   0  32   35.
  2
WB        East      AG  1255.  1204.  1532.  1218.      0.  12   1
       110        60       2.0 1835   42.1 1368 1 3
  1
WB        East dep  AG  1213.  1202.   216.  1149.    775. 7.9   0  32   35.
  1
NB        PP ap     AG  1253.   522.  1227.  1042.    420. 7.9   0  32   25.
  1
NB        PP ap     AG  1227.  1042.  1221.  1196.    420. 7.9   0  44   25.
  2
NB        PP        AG  1223.  1159.  1227.  1052.      0.  24   2
       110        83       2.0  420   42.1 1382 1 3
  1
NB        PP dep    AG  1221.  1196.  1204.  1564.    920. 7.9   0  32   25.
  1
NB        PP dep    AG  1204.  1564.  1183.  1927.    920. 7.9   0  32   25.
  1
NB        PP dep    AG  1183.  1927.  1171.  2195.    920. 7.9   0  32   25.
  1
SB        PP ap     AG  1155.  2196.  1171.  1926.    730. 7.9   0  32   25.
  1
SB        PP ap     AG  1171.  1926.  1189.  1552.    730. 7.9   0  32   25.
  1
SB        PP ap     AG  1189.  1552.  1202.  1195.    730. 7.9   0  44   25.
  2
SB        PP        AG  1201.  1237.  1193.  1431.      0.  24   2
       110        60       2.0  730   42.1  960 1 3
  1
SB        PP dep    AG  1202.  1195.  1241.   529.    210. 7.9   0  32   25.
1.0   04  1000   0Y  5  0 72
```

JOB: S9 Eastern & Patterson BDAM35 RUN: Site 9 Build AM 2035
DATE: 09/07/2012 TIME: 12:18:33.50

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	East	*	216.0	1138.0	1017.0	1179.0	*	802.	87.	AG	310.	7.9	.0	32.0		
2. EB	East	*	1017.0	1179.0	1215.0	1189.0	*	198.	87.	AG	310.	7.9	.0	32.0		
3. EB	East	*	1172.0	1187.0	1086.9	1182.3	*	85.	267.	AG	51.	100.0	.0	12.0	.75	4.3
4. EB	East dep	*	1215.0	1189.0	2213.0	1238.0	*	999.	87.	AG	730.	7.9	.0	32.0		
5. WB	East	*	2212.0	1252.0	1563.0	1220.0	*	650.	267.	AG	1835.	7.9	.0	32.0		
6. WB	East	*	1563.0	1220.0	1213.0	1202.0	*	350.	267.	AG	1835.	7.9	.0	32.0		
7. WB	East	*	1255.0	1204.0	14644.9	1880.7	*	*****	87.	AG	62.	100.0	.0	12.0	3.21	681.1
8. WB	East dep	*	1213.0	1202.0	216.0	1149.0	*	998.	267.	AG	775.	7.9	.0	32.0		
9. NB	PP ap	*	1253.0	522.0	1227.0	1042.0	*	521.	357.	AG	420.	7.9	.0	32.0		
10. NB	PP ap	*	1227.0	1042.0	1221.0	1196.0	*	154.	358.	AG	420.	7.9	.0	44.0		
11. NB	PP	*	1223.0	1159.0	1226.7	1059.0	*	100.	178.	AG	170.	100.0	.0	24.0	.73	5.1
12. NB	PP dep	*	1221.0	1196.0	1204.0	1564.0	*	368.	357.	AG	920.	7.9	.0	32.0		
13. NB	PP dep	*	1204.0	1564.0	1183.0	1927.0	*	364.	357.	AG	920.	7.9	.0	32.0		
14. NB	PP dep	*	1183.0	1927.0	1171.0	2195.0	*	268.	357.	AG	920.	7.9	.0	32.0		
15. SB	PP ap	*	1155.0	2196.0	1171.0	1926.0	*	270.	177.	AG	730.	7.9	.0	32.0		
16. SB	PP ap	*	1171.0	1926.0	1189.0	1552.0	*	374.	177.	AG	730.	7.9	.0	32.0		
17. SB	PP ap	*	1189.0	1552.0	1202.0	1195.0	*	357.	178.	AG	730.	7.9	.0	44.0		
18. SB	PP	*	1201.0	1237.0	1194.4	1396.7	*	160.	358.	AG	123.	100.0	.0	24.0	.91	8.1
19. SB	PP dep	*	1202.0	1195.0	1241.0	529.0	*	667.	177.	AG	210.	7.9	.0	32.0		

JOB: S9 Eastern & Patterson BDAM35 RUN: Site 9 Build AM 2035
DATE: 09/07/2012 TIME: 12:18:33.50

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. EB	East	*	110	50	2.0	310	819	42.10	1	3
7. WB	East	*	110	60	2.0	1835	1368	42.10	1	3
11. NB	PP	*	110	83	2.0	420	1382	42.10	1	3
18. SB	PP	*	110	60	2.0	730	960	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1259.0	865.0	5.0	*
2. SE 164 S	*	1251.0	1003.0	5.0	*
3. SE 82 S	*	1247.0	1084.0	5.0	*
4. SE CNR	*	1244.0	1165.0	5.0	*
5. SE 82 E	*	1325.0	1170.0	5.0	*
6. SE 164 E	*	1406.0	1175.0	5.0	*
7. SE MID E	*	1567.0	1182.0	5.0	*
8. NE MID E	*	1559.0	1244.0	5.0	*
9. NE 164 E	*	1406.0	1237.0	5.0	*
10. NE 82 E	*	1324.0	1232.0	5.0	*
11. NE CNR	*	1245.0	1233.0	5.0	*
12. NE 82 N	*	1240.0	1308.0	5.0	*
13. NE 164 N	*	1236.0	1391.0	5.0	*
14. NE MID N	*	1232.0	1529.0	5.0	*
15. NW MID N	*	1168.0	1532.0	5.0	*
16. NW 164 N	*	1174.0	1388.0	5.0	*
17. NW 82 N	*	1177.0	1307.0	5.0	*
18. NW CNR	*	1179.0	1225.0	5.0	*
19. NW 82 W	*	1098.0	1220.0	5.0	*
20. NW 164 W	*	1016.0	1216.0	5.0	*
21. NW MID W	*	818.0	1206.0	5.0	*
22. SW MID W	*	819.0	1143.0	5.0	*
23. SW 164 W	*	1018.0	1154.0	5.0	*
24. SW 82 W	*	1101.0	1159.0	5.0	*
25. SW CNR	*	1178.0	1160.0	5.0	*
26. SW 82 S	*	1186.0	1082.0	5.0	*
27. SW 164 S	*	1190.0	1000.0	5.0	*
28. SW MID S	*	1198.0	862.0	5.0	*

JOB: S9 Eastern & Patterson BDAM35 RUN: Site 9 Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first

angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.3	.5	.8	.9	.6	.6	.6	.0	.0	.0	.4	.3	.3	.2	.4	.5	.7	.7	.0	.0
5.	.1	.3	.5	.8	.6	.7	.6	.0	.0	.0	.1	.1	.2	.1	.5	.6	.7	.7	.0	.0
10.	.1	.2	.6	.6	.6	.7	.7	.0	.0	.0	.1	.1	.1	.1	.5	.6	.8	.9	.0	.0
15.	.1	.2	.3	.6	.7	.7	.6	.0	.0	.0	.0	.0	.0	.0	.5	.6	.9	.9	.1	.0
20.	.1	.1	.3	.6	.6	.7	.6	.0	.0	.0	.0	.0	.0	.0	.5	.5	.9	.9	.2	.0
25.	.1	.1	.3	.6	.7	.7	.6	.0	.0	.0	.0	.0	.0	.0	.5	.5	.9	.9	.3	.0
30.	.1	.1	.3	.7	.7	.7	.6	.0	.0	.0	.0	.0	.0	.0	.5	.5	.9	.9	.3	.0
35.	.1	.2	.4	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.4	.4	.9	.8	.3	.0
40.	.0	.2	.4	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.4	.5	.8	.7	.3	.1
45.	.1	.2	.4	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.4	.5	.8	.7	.3	.3
50.	.1	.2	.4	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.4	.5	.8	.7	.3	.3
55.	.1	.3	.4	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.4	.5	.8	.6	.3	.3
60.	.1	.3	.4	.7	.7	.8	.7	.0	.0	.0	.0	.0	.0	.0	.4	.5	.8	.6	.3	.3
65.	.1	.3	.4	.7	.9	.8	.8	.1	.0	.1	.0	.0	.0	.0	.3	.6	.8	.7	.3	.3
70.	.0	.2	.4	.9	1.0	1.0	.9	.1	.2	.1	.1	.0	.0	.0	.4	.6	.8	.6	.4	.2
75.	.0	.2	.4	1.0	.9	1.0	.9	.3	.3	.4	.3	.0	.0	.0	.4	.6	.8	.8	.5	.4
80.	.0	.2	.3	.8	.8	.9	.8	.5	.6	.5	.5	.0	.0	.0	.4	.7	.8	1.0	.9	.6
85.	.0	.1	.2	.6	.6	.8	.6	.7	.7	.7	.6	.2	.0	.0	.4	.7	1.0	1.0	.9	.5
90.	.0	.0	.2	.6	.5	.6	.5	.8	.8	.9	.7	.2	.1	.0	.4	.8	1.0	1.2	.8	.6
95.	.0	.0	.0	.4	.4	.4	.4	1.0	1.0	1.0	.9	.4	.2	.0	.4	.9	1.2	1.3	.9	.6
100.	.0	.0	.0	.2	.3	.2	.2	1.1	1.1	1.1	1.0	.4	.2	.0	.4	1.0	1.2	1.4	.7	.6
105.	.0	.0	.0	.0	.0	.1	.0	1.1	1.0	1.1	1.0	.4	.2	.1	.5	1.0	1.2	1.2	.6	.6
110.	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.1	.9	.4	.2	.1	.5	1.2	1.3	1.1	.6	.5
115.	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.9	.4	.3	.1	.5	1.1	1.2	.9	.6	.4
120.	.0	.0	.0	.0	.0	.0	.0	1.0	.9	1.0	.8	.4	.3	.1	.5	1.0	1.2	.8	.6	.4
125.	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.7	.4	.2	.1	.5	1.0	1.2	.7	.5	.4
130.	.0	.0	.0	.0	.0	.0	.0	.8	.8	.8	.7	.4	.2	.1	.4	1.0	1.1	.9	.5	.3
135.	.0	.0	.0	.0	.0	.0	.0	.8	.7	.8	.6	.4	.1	.1	.5	.9	1.1	.9	.5	.3
140.	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.4	.1	.1	.5	.9	1.1	.8	.5	.3
145.	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.4	.1	.1	.6	1.1	1.1	.7	.5	.3
150.	.0	.0	.0	.0	.0	.0	.0	.7	.6	.6	.6	.4	.1	.1	.6	1.1	1.1	.6	.5	.3
155.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.6	.3	.1	.1	.7	1.1	.9	.7	.4	.3
160.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.6	.3	.1	.1	.7	1.1	.8	.8	.4	.2
165.	.0	.1	.0	.2	.0	.0	.0	.7	.6	.6	.6	.3	.2	.2	.7	1.0	.8	.8	.4	.2
170.	.1	.1	.1	.2	.0	.0	.0	.6	.6	.6	.6	.5	.2	.2	.6	1.0	.7	.7	.4	.2
175.	.1	.1	.2	.3	.0	.0	.0	.7	.6	.6	.7	.5	.4	.5	.5	.7	.6	.6	.4	.2
180.	.1	.1	.2	.5	.0	.0	.0	.6	.6	.6	.8	.4	.6	.4	.4	.5	.5	.5	.4	.2
185.	.1	.1	.3	.6	.0	.0	.0	.6	.6	.6	.8	.5	.6	.4	.4	.4	.3	.4	.4	.2
190.	.1	.2	.3	.6	.0	.0	.0	.7	.6	.6	.9	.5	.6	.6	.2	.2	.2	.3	.4	.2
195.	.2	.3	.4	.6	.0	.0	.0	.7	.6	.6	.9	.6	.6	.6	.1	.2	.2	.3	.3	.2
200.	.1	.3	.4	.6	.0	.0	.0	.6	.6	.7	.9	.7	.7	.6	.1	.2	.2	.4	.3	.3
205.	.1	.1	.4	.7	.0	.0	.0	.6	.6	.7	.7	.6	.8	.6	.0	.1	.1	.4	.3	.3

1

JOB: S9 Eastern & Patterson BDAM35 RUN: Site 9 Build AM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.1	.1	.5	.7	.1	.0	.0	.6	.7	.8	.7	.7	.8	.5	.0	.1	.1	.4	.3	.3
215.	.1	.1	.4	.6	.1	.0	.0	.7	.7	.8	.8	.7	.9	.5	.0	.1	.1	.4	.3	.3
220.	.1	.1	.4	.6	.1	.0	.0	.8	.7	.8	.8	.7	.9	.4	.0	.1	.1	.4	.3	.3
225.	.1	.1	.5	.6	.1	.0	.0	.8	.9	.8	.7	.7	.9	.4	.0	.1	.1	.4	.3	.3
230.	.1	.1	.5	.5	.1	.0	.0	.9	.9	.8	.6	.6	.8	.4	.0	.1	.1	.4	.3	.3
235.	.1	.1	.5	.5	.2	.1	.0	1.0	.9	.8	.7	.6	.8	.4	.0	.1	.1	.4	.3	.3
240.	.1	.1	.5	.5	.2	.1	.0	1.0	1.0	.8	.8	.6	.6	.3	.0	.1	.1	.5	.3	.4
245.	.1	.1	.6	.4	.2	.1	.0	1.0	.9	.8	.7	.6	.6	.3	.0	.1	.1	.5	.3	.4
250.	.1	.1	.6	.4	.1	.1	.0	1.0	.9	.8	.7	.6	.6	.3	.0	.0	.1	.4	.4	.4
255.	.1	.1	.6	.5	.1	.2	.2	.9	.8	.8	.6	.6	.5	.3	.0	.0	.1	.3	.4	.4
260.	.1	.1	.6	.4	.3	.4	.2	.8	.7	.6	.5	.6	.5	.3	.0	.0	.1	.3	.4	.4
265.	.1	.1	.6	.4	.4	.4	.4	.8	.6	.6	.6	.6	.5	.3	.0	.0	.0	.2	.2	.3
270.	.1	.1	.6	.5	.4	.5	.7	.5	.5	.6	.5	.5	.5	.3	.0	.0	.0	.2	.2	.2
275.	.1	.1	.7	.5	.3	.6	.6	.4	.5	.5	.5	.5	.4	.3	.0	.0	.0	.1	.1	.1
280.	.1	.1	.7	.5	.5	.7	.7	.2	.3	.5	.5	.5	.4	.3	.0	.0	.0	.1	.1	.1
285.	.1	.1	.7	.5	.5	.8	.8	.1	.3	.3	.5	.5	.4	.3	.0	.0	.0	.0	.1	.0
290.	.1	.2	.7	.5	.7	.9	.7	.1	.2	.3	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0
295.	.1	.2	.7	.6	1.0	.9	.7	.0	.2	.3	.5	.5	.3	.4	.0	.0	.0	.0	.0	.0
300.	.1	.2	.7	.6	.9	.9	.7	.0	.2	.3	.5	.5	.3	.4	.0	.0	.0	.0	.0	.0
305.	.1	.2	.7	.5	1.0	.9	.7	.0	.2	.3	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
310.	.1	.2	.8	.6	1.0	.9	.7	.0	.1	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0
315.	.1	.3	.8	.8	1.0	.9	.7	.0	.1	.3	.8	.7	.5	.4	.0	.0	.0	.0	.0	.0
320.	.1	.2	.8	.8	1.0	.8	.6	.0	.1	.3	.8	.7	.5	.4	.0	.0	.0	.0	.0	.0
325.	.1	.3	.8	.8	1.0	.8	.6	.0	.0	.3	.8	.7	.5	.3	.0	.0	.0	.0	.0	.0
330.	.1	.4	.8	.8	.9	.7	.6	.0	.0	.2	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0
335.	.1	.4	.9	1.2	.9	.7	.7	.0	.0	.2	.7	.6	.4	.5	.0	.1	.1	.1	.0	.0
340.	.2	.4	1.0	1.2	.7	.7	.7	.0	.0	.1	.7	.6	.6	.5	.0	.1	.1	.1	.0	.0
345.	.2	.8	.9	1.2	.7	.7	.6	.0	.0	.0	.6	.5	.6	.4	.1	.1	.2	.2	.0	.0
350.	.2	.7	.8	1.0	.6	.7	.6	.0	.0	.0	.4	.6	.5	.3	.2	.2	.3	.4	.0	.0
355.	.2	.7	.8	1.0	.6	.6	.7	.0	.0	.0	.4	.4	.5	.3	.4	.5	.4	.5	.0	.0
360.	.3	.5	.8	.9	.6	.6	.6	.0	.0	.0	.4	.3	.3	.2	.4	.5	.7	.7	.0	.0
MAX	.3	.8	1.0	1.2	1.0	1.0	.9	1.1	1.1	1.1	1.0	.7	.9	.6	.7	1.2	1.3	1.4	.9	.6
DEGR.	0	345	340	335	295	70	70	100	100	100	100	200	215	190	155	110	110	100	80	80

1

JOB: S9 Eastern & Patterson BDAM35 RUN: Site 9 Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.2	.1	.3	.7	.4	.4	.2
5.	.0	.2	.1	.3	.7	.4	.8	.3
10.	.0	.2	.2	.3	.8	.7	.7	.4
15.	.0	.2	.2	.6	.8	.7	.6	.4
20.	.0	.2	.2	.6	.7	.7	.5	.3
25.	.0	.2	.2	.6	.7	.7	.5	.3
30.	.0	.3	.3	.7	.7	.7	.5	.3
35.	.0	.3	.4	.7	.6	.8	.5	.3
40.	.0	.3	.6	.7	.7	.8	.4	.3
45.	.0	.3	.6	.7	.7	.8	.5	.2
50.	.0	.3	.6	.8	.8	.9	.5	.3
55.	.0	.3	.6	.8	.6	.9	.4	.3
60.	.0	.3	.5	.6	.6	.9	.5	.3
65.	.0	.3	.4	.7	.8	1.0	.5	.3
70.	.0	.3	.3	.7	.9	1.0	.4	.2
75.	.1	.4	.5	.8	.9	1.0	.4	.2
80.	.2	.4	.6	.7	.9	1.0	.4	.2
85.	.4	.4	.6	.6	.8	.7	.3	.2
90.	.4	.3	.6	.6	.8	.6	.2	.2
95.	.4	.1	.4	.5	.7	.5	.2	.2
100.	.4	.0	.1	.3	.5	.5	.2	.2
105.	.4	.0	.1	.1	.3	.5	.2	.2
110.	.4	.0	.1	.1	.4	.4	.2	.2
115.	.3	.0	.1	.1	.4	.4	.2	.2
120.	.3	.0	.0	.1	.5	.4	.2	.2
125.	.3	.0	.0	.1	.5	.4	.2	.2
130.	.3	.0	.0	.1	.5	.3	.2	.2
135.	.3	.0	.0	.1	.5	.3	.2	.2
140.	.3	.0	.0	.0	.5	.3	.2	.2
145.	.3	.0	.0	.0	.5	.2	.2	.2
150.	.3	.0	.0	.0	.5	.2	.2	.2
155.	.3	.0	.0	.0	.4	.2	.2	.2
160.	.3	.0	.0	.0	.4	.2	.2	.2
165.	.3	.0	.0	.0	.3	.2	.2	.2
170.	.3	.0	.0	.0	.3	.2	.2	.2
175.	.3	.0	.0	.0	.1	.2	.2	.2
180.	.3	.0	.0	.0	.0	.1	.0	.0
185.	.3	.0	.0	.0	.0	.0	.0	.0
190.	.3	.0	.0	.0	.0	.0	.0	.0
195.	.3	.0	.0	.0	.0	.0	.0	.0
200.	.3	.0	.0	.0	.0	.0	.0	.0
205.	.3	.0	.0	.0	.0	.0	.0	.0

1

JOB: S9 Eastern & Patterson BDAM35 RUN: Site 9 Build AM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.3	.0	.0	.0	.0	.0	.0	.0
215.	.3	.0	.0	.0	.0	.0	.0	.0
220.	.3	.0	.0	.0	.0	.0	.0	.0
225.	.3	.0	.0	.0	.0	.0	.0	.0
230.	.3	.0	.0	.0	.0	.0	.0	.0
235.	.3	.0	.0	.0	.0	.0	.0	.0
240.	.4	.0	.0	.0	.0	.0	.0	.0
245.	.4	.0	.0	.0	.0	.0	.0	.0
250.	.4	.0	.0	.0	.0	.0	.0	.0
255.	.4	.0	.1	.1	.0	.0	.0	.0
260.	.3	.1	.2	.1	.1	.0	.0	.0
265.	.3	.2	.2	.2	.1	.0	.0	.0
270.	.2	.2	.3	.3	.1	.0	.0	.0
275.	.1	.3	.3	.3	.3	.1	.0	.0
280.	.1	.3	.3	.4	.4	.1	.0	.0
285.	.0	.3	.3	.3	.4	.1	.0	.0
290.	.0	.3	.3	.3	.4	.1	.1	.0
295.	.0	.3	.3	.3	.4	.1	.1	.0
300.	.0	.3	.3	.3	.4	.1	.1	.0
305.	.0	.3	.3	.3	.4	.1	.1	.0
310.	.0	.3	.3	.3	.4	.1	.1	.0
315.	.0	.3	.3	.3	.4	.1	.1	.0
320.	.0	.3	.3	.3	.3	.1	.1	.0
325.	.0	.2	.3	.3	.3	.1	.0	.0
330.	.0	.2	.2	.4	.3	.1	.0	.0
335.	.0	.2	.2	.3	.3	.1	.0	.0

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340.  *    .0    .2    .2    .3    .3    .1    .0    .0
345.  *    .0    .2    .2    .3    .5    .1    .0    .0
350.  *    .0    .2    .1    .3    .5    .4    .0    .0
355.  *    .0    .2    .1    .3    .5    .4    .4    .1
360.  *    .0    .2    .1    .3    .7    .4    .4    .2
------*-----------------------------------------------
MAX   *    .4    .4    .6    .8    .9   1.0    .8    .4
DEGR. *   85    75    40    50    70    65     5    10

THE HIGHEST CONCENTRATION IS    1.40 PPM AT  100 DEGREES FROM REC18.
THE 2ND HIGHEST CONCENTRATION IS    1.30 PPM AT  110 DEGREES FROM REC17.
THE 3RD HIGHEST CONCENTRATION IS    1.20 PPM AT  335 DEGREES FROM REC4 .
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S9 Eastern & Patterson BDPM21           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1259.      865.       5.0
SE 164 S                 1251.     1003.       5.0
SE 82 S                  1247.     1084.       5.0
SE CNR                   1244.     1165.       5.0
SE 82 E                  1325.     1170.       5.0
SE 164 E                 1406.     1175.       5.0
SE MID E                 1567.     1182.       5.0
NE MID E                 1559.     1244.       5.0
NE 164 E                 1406.     1237.       5.0
NE 82 E                  1324.     1232.       5.0
NE CNR                   1245.     1233.       5.0
NE 82 N                  1240.     1308.       5.0
NE 164 N                 1236.     1391.       5.0
NE MID N                 1232.     1529.       5.0
NW MID N                 1168.     1532.       5.0
NW 164 N                 1174.     1388.       5.0
NW 82 N                  1177.     1307.       5.0
NW CNR                   1179.     1225.       5.0
NW 82 W                  1098.     1220.       5.0
NW 164 W                 1016.     1216.       5.0
NW MID W                  818.     1206.       5.0
SW MID W                  819.     1143.       5.0
SW 164 W                 1018.     1154.       5.0
SW 82 W                  1101.     1159.       5.0
SW CNR                   1178.     1160.       5.0
SW 82 S                  1186.     1082.       5.0
SW 164 S                 1190.     1000.       5.0
SW MID S                 1198.      862.       5.0
Site 9 Build PM 2021                     19  1   0
  1
EB        East      AG   216.  1138.  1017.  1179.    690. 8.1   0  32   35.
  1
EB        East      AG  1017.  1179.  1215.  1189.    690. 8.1   0  32   35.
  2
EB        East      AG  1172.  1187.  1026.  1179.      0.  12   1
       110        50       2.0  690   43.6  821 1 3
  1
EB        East dep  AG  1215.  1189.  2213.  1238.    625. 8.1   0  32   35.
  1
WB        East      AG  2212.  1252.  1563.  1220.   1000. 8.1   0  32   35.
  1
WB        East      AG  1563.  1220.  1213.  1202.   1000. 8.1   0  32   35.
  2
WB        East      AG  1255.  1204.  1532.  1218.      0.  12   1
       110        60       2.0 1000   43.6  933 1 3
  1
WB        East dep  AG  1213.  1202.   216.  1149.    530. 8.1   0  32   35.
  1
NB        PP ap     AG  1253.   522.  1227.  1042.    335. 8.2   0  32   25.
  1
NB        PP ap     AG  1227.  1042.  1221.  1196.    335. 8.2   0  44   25.
  2
NB        PP        AG  1223.  1159.  1227.  1052.      0.  24   2
       110        60       2.0  335   43.6 1306 1 3
  1
NB        PP dep    AG  1221.  1196.  1204.  1564.    605. 8.2   0  32   25.
  1
NB        PP dep    AG  1204.  1564.  1183.  1927.    605. 8.2   0  32   25.
  1
NB        PP dep    AG  1183.  1927.  1171.  2195.    605. 8.2   0  32   25.
  1
SB        PP ap     AG  1155.  2196.  1171.  1926.    705. 8.2   0  32   25.
  1
SB        PP ap     AG  1171.  1926.  1189.  1552.    705. 8.2   0  32   25.
  1
SB        PP ap     AG  1189.  1552.  1202.  1195.    705. 8.2   0  44   25.
  2
SB        PP        AG  1201.  1237.  1193.  1431.      0.  24   2
       110        60       2.0  705   43.6 1217 1 3
  1
SB        PP dep    AG  1202.  1195.  1241.   529.    300. 8.2   0  32   25.
1.0   04  1000   0Y  5  0 72
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JOB: S9 Eastern & Patterson BDPM21 RUN: Site 9 Build PM 2021
DATE: 09/07/2012 TIME: 12:17:41.21

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	East	*	216.0	1138.0	1017.0	1179.0	*	802.	87.	AG	690.	8.1	.0	32.0		
2. EB	East	*	1017.0	1179.0	1215.0	1189.0	*	198.	87.	AG	690.	8.1	.0	32.0		
3. EB	East	*	1172.0	1187.0	-1864.2	1020.6	*	3041.	267.	AG	53.	100.0	.0	12.0	1.65	154.5
4. EB	East dep	*	1215.0	1189.0	2213.0	1238.0	*	999.	87.	AG	625.	8.1	.0	32.0		
5. WB	East	*	2212.0	1252.0	1563.0	1220.0	*	650.	267.	AG	1000.	8.1	.0	32.0		
6. WB	East	*	1563.0	1220.0	1213.0	1202.0	*	350.	267.	AG	1000.	8.1	.0	32.0		
7. WB	East	*	1255.0	1204.0	7825.8	1536.1	*	6579.	87.	AG	64.	100.0	.0	12.0	2.56	334.2
8. WB	East dep	*	1213.0	1202.0	216.0	1149.0	*	998.	267.	AG	530.	8.1	.0	32.0		
9. NB	PP ap	*	1253.0	522.0	1227.0	1042.0	*	521.	357.	AG	335.	8.2	.0	32.0		
10. NB	PP ap	*	1227.0	1042.0	1221.0	1196.0	*	154.	358.	AG	335.	8.2	.0	44.0		
11. NB	PP	*	1223.0	1159.0	1225.0	1104.2	*	55.	178.	AG	128.	100.0	.0	24.0	.31	2.8
12. NB	PP dep	*	1221.0	1196.0	1204.0	1564.0	*	368.	357.	AG	605.	8.2	.0	32.0		
13. NB	PP dep	*	1204.0	1564.0	1183.0	1927.0	*	364.	357.	AG	605.	8.2	.0	32.0		
14. NB	PP dep	*	1183.0	1927.0	1171.0	2195.0	*	268.	357.	AG	605.	8.2	.0	32.0		
15. SB	PP ap	*	1155.0	2196.0	1171.0	1926.0	*	270.	177.	AG	705.	8.2	.0	32.0		
16. SB	PP ap	*	1171.0	1926.0	1189.0	1552.0	*	374.	177.	AG	705.	8.2	.0	32.0		
17. SB	PP ap	*	1189.0	1552.0	1202.0	1195.0	*	357.	178.	AG	705.	8.2	.0	44.0		
18. SB	PP	*	1201.0	1237.0	1196.2	1352.4	*	115.	358.	AG	128.	100.0	.0	24.0	.69	5.9
19. SB	PP dep	*	1202.0	1195.0	1241.0	529.0	*	667.	177.	AG	300.	8.2	.0	32.0		

JOB: S9 Eastern & Patterson BDPM21 RUN: Site 9 Build PM 2021
DATE: 09/07/2012 TIME: 12:17:41.21

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. EB	East	*	110	50	2.0	690	821	43.60	1	3
7. WB	East	*	110	60	2.0	1000	933	43.60	1	3
11. NB	PP	*	110	60	2.0	335	1306	43.60	1	3
18. SB	PP	*	110	60	2.0	705	1217	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1259.0	865.0	5.0	*
2. SE 164 S	*	1251.0	1003.0	5.0	*
3. SE 82 S	*	1247.0	1084.0	5.0	*
4. SE CNR	*	1244.0	1165.0	5.0	*
5. SE 82 E	*	1325.0	1170.0	5.0	*
6. SE 164 E	*	1406.0	1175.0	5.0	*
7. SE MID E	*	1567.0	1182.0	5.0	*
8. NE MID E	*	1559.0	1244.0	5.0	*
9. NE 164 E	*	1406.0	1237.0	5.0	*
10. NE 82 E	*	1324.0	1232.0	5.0	*
11. NE CNR	*	1245.0	1233.0	5.0	*
12. NE 82 N	*	1240.0	1308.0	5.0	*
13. NE 164 N	*	1236.0	1391.0	5.0	*
14. NE MID N	*	1232.0	1529.0	5.0	*
15. NW MID N	*	1168.0	1532.0	5.0	*
16. NW 164 N	*	1174.0	1388.0	5.0	*
17. NW 82 N	*	1177.0	1307.0	5.0	*
18. NW CNR	*	1179.0	1225.0	5.0	*
19. NW 82 W	*	1098.0	1220.0	5.0	*
20. NW 164 W	*	1016.0	1216.0	5.0	*
21. NW MID W	*	818.0	1206.0	5.0	*
22. SW MID W	*	819.0	1143.0	5.0	*
23. SW 164 W	*	1018.0	1154.0	5.0	*
24. SW 82 W	*	1101.0	1159.0	5.0	*
25. SW CNR	*	1178.0	1160.0	5.0	*
26. SW 82 S	*	1186.0	1082.0	5.0	*
27. SW 164 S	*	1190.0	1000.0	5.0	*
28. SW MID S	*	1198.0	862.0	5.0	*

JOB: S9 Eastern & Patterson BDPM21 RUN: Site 9 Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first

angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.2	.7	.7	.5	.5	.5	.0	.0	.0	.2	.2	.2	.2	.4	.5	.5	.6	.0	.0
5.	.0	.1	.5	.6	.5	.5	.5	.0	.0	.0	.1	.1	.1	.1	.4	.6	.5	.7	.0	.0
10.	.0	.1	.2	.5	.5	.5	.5	.0	.0	.0	.1	.1	.0	.0	.4	.5	.6	.7	.0	.0
15.	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.6	.8	.1	.0
20.	.0	.1	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.8	.1	.0
25.	.0	.1	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.8	.1	.0
30.	.0	.1	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.8	.3	.0
35.	.0	.1	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.8	.7	.3	.0
40.	.0	.1	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.3	.0
45.	.0	.1	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.3	.1
50.	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.3	.1
55.	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.5	.3	.2
60.	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	.5	.3	.2
65.	.0	.2	.3	.5	.5	.6	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.5	.3	.2
70.	.0	.2	.3	.6	.7	.7	.7	.1	.0	.1	.0	.0	.0	.0	.3	.3	.7	.5	.3	.1
75.	.0	.1	.3	.7	.7	.6	.6	.2	.3	.2	.2	.0	.0	.0	.3	.3	.7	.6	.5	.1
80.	.0	.1	.3	.7	.6	.6	.6	.4	.4	.4	.3	.0	.0	.0	.3	.3	.7	.7	.5	.4
85.	.0	.0	.1	.5	.5	.5	.5	.5	.5	.6	.4	.1	.0	.0	.3	.3	.8	.8	.6	.5
90.	.0	.0	.0	.4	.5	.5	.3	.6	.6	.6	.6	.1	.0	.0	.3	.3	.8	.9	.5	.5
95.	.0	.0	.0	.3	.4	.3	.3	.6	.6	.7	.6	.2	.1	.0	.3	.4	1.0	.8	.6	.5
100.	.0	.0	.0	.1	.1	.1	.2	.8	.8	.8	.6	.3	.1	.0	.3	.4	1.1	.9	.5	.7
105.	.0	.0	.0	.0	.0	.0	.0	.8	.8	.7	.7	.4	.2	.0	.3	.4	1.0	1.0	.5	.4
110.	.0	.0	.0	.0	.0	.0	.0	.7	.8	.7	.6	.3	.2	.0	.3	.4	1.0	.8	.5	.4
115.	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.3	.1	.0	.3	.4	1.0	.8	.4	.5
120.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.5	.3	.0	.0	.3	.4	1.0	.7	.5	.5
125.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.5	.3	.1	.0	.3	.5	1.0	.7	.5	.5
130.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.5	.3	.1	.0	.3	.5	1.0	.7	.5	.5
135.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.5	.3	.1	.0	.3	.5	.9	.7	.3	.3
140.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.4	.3	.1	.0	.3	.6	.9	.7	.3	.3
145.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.4	.3	.1	.0	.4	.7	.9	.6	.3	.3
150.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.4	.3	.1	.0	.4	.7	.9	.6	.3	.3
155.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.4	.2	.1	.0	.4	.8	.8	.6	.3	.3
160.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.4	.2	.1	.0	.4	.7	.6	.6	.3	.3
165.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.3	.2	.1	.0	.5	.7	.6	.6	.3	.3
170.	.1	.1	.1	.2	.0	.0	.0	.4	.4	.4	.3	.2	.2	.1	.5	.7	.4	.5	.3	.3
175.	.1	.1	.1	.2	.0	.0	.0	.4	.4	.4	.4	.2	.3	.2	.5	.5	.4	.4	.3	.4
180.	.1	.2	.3	.3	.0	.0	.0	.5	.4	.4	.5	.2	.3	.3	.4	.4	.4	.4	.3	.4
185.	.2	.2	.3	.4	.0	.0	.0	.5	.4	.4	.6	.3	.4	.4	.2	.3	.3	.4	.3	.4
190.	.2	.2	.3	.4	.0	.0	.0	.4	.4	.4	.6	.3	.5	.5	.1	.2	.2	.2	.3	.3
195.	.2	.2	.3	.5	.0	.0	.0	.4	.4	.4	.7	.4	.5	.5	.1	.2	.2	.2	.3	.3
200.	.2	.2	.3	.5	.0	.0	.0	.4	.4	.4	.7	.4	.6	.4	.1	.1	.3	.3	.3	.3
205.	.2	.2	.3	.5	.0	.0	.0	.4	.4	.5	.7	.5	.6	.4	.0	.0	.2	.3	.3	.3

1

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.2	.2	.2	.5	.0	.0	.0	.5	.5	.5	.7	.6	.6	.4	.0	.0	.2	.3	.3	.3
215.	.2	.2	.2	.6	.0	.0	.0	.5	.5	.6	.5	.6	.6	.4	.0	.0	.2	.3	.3	.3
220.	.2	.2	.2	.6	.0	.0	.0	.5	.5	.6	.6	.7	.6	.4	.0	.0	.2	.3	.3	.3
225.	.2	.2	.2	.5	.0	.0	.0	.6	.6	.6	.5	.8	.5	.4	.0	.0	.1	.4	.4	.5
230.	.2	.2	.2	.5	.1	.0	.0	.6	.6	.6	.5	.8	.5	.4	.0	.0	.2	.4	.4	.5
235.	.2	.2	.2	.5	.1	.0	.0	.6	.6	.6	.5	.7	.5	.4	.0	.0	.2	.4	.5	.5
240.	.2	.2	.2	.5	.1	.0	.0	.6	.6	.5	.6	.7	.4	.2	.0	.0	.3	.4	.5	.5
245.	.2	.2	.2	.5	.1	.0	.0	.6	.5	.6	.6	.8	.3	.2	.0	.0	.3	.4	.5	.5
250.	.2	.2	.2	.4	.1	.0	.0	.7	.5	.8	.6	.8	.3	.2	.0	.0	.3	.5	.5	.5
255.	.2	.2	.2	.5	.1	.1	.1	.6	.7	.7	.6	.8	.3	.2	.0	.0	.3	.5	.5	.5
260.	.2	.2	.2	.6	.3	.2	.2	.5	.6	.6	.6	.7	.3	.2	.0	.0	.2	.5	.4	.5
265.	.2	.2	.2	.7	.5	.4	.3	.5	.6	.5	.7	.6	.3	.2	.0	.0	.0	.5	.4	.4
270.	.2	.2	.3	.7	.6	.4	.4	.4	.4	.6	.6	.6	.3	.2	.0	.0	.0	.3	.3	.3
275.	.2	.2	.4	.7	.5	.6	.5	.2	.2	.6	.5	.6	.3	.2	.0	.0	.0	.2	.3	.3
280.	.2	.2	.5	.7	.5	.6	.5	.1	.2	.3	.3	.6	.3	.2	.0	.0	.0	.1	.1	.1
285.	.2	.2	.5	.5	.5	.5	.5	.1	.1	.3	.4	.5	.3	.2	.0	.0	.0	.0	.0	.0
290.	.2	.2	.5	.6	.5	.5	.5	.0	.1	.3	.4	.5	.3	.2	.0	.0	.0	.0	.0	.0
295.	.2	.2	.5	.4	.7	.6	.5	.0	.1	.3	.4	.5	.3	.3	.0	.0	.0	.0	.0	.0
300.	.2	.2	.6	.5	.8	.6	.5	.0	.0	.3	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0
305.	.2	.2	.5	.6	.8	.6	.5	.0	.0	.3	.5	.6	.4	.3	.0	.0	.0	.0	.0	.0
310.	.2	.2	.6	.6	.8	.5	.5	.0	.0	.3	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0
315.	.2	.2	.6	.8	.8	.5	.5	.0	.0	.3	.7	.5	.4	.3	.0	.0	.0	.0	.0	.0
320.	.2	.2	.5	.7	.8	.5	.5	.0	.0	.2	.6	.5	.4	.3	.0	.0	.0	.0	.0	.0
325.	.2	.2	.5	.6	.8	.5	.5	.0	.0	.2	.6	.5	.4	.3	.0	.0	.0	.0	.0	.0
330.	.2	.3	.7	.6	.8	.5	.5	.0	.0	.2	.6	.5	.4	.3	.0	.0	.0	.0	.0	.0
335.	.2	.4	.6	.8	.7	.5	.5	.0	.0	.2	.6	.4	.3	.4	.0	.1	.1	.1	.0	.0
340.	.2	.4	.7	.9	.5	.5	.4	.0	.0	.0	.6	.4	.4	.4	.0	.1	.1	.1	.0	.0
345.	.2	.3	.6	.9	.5	.5	.5	.0	.0	.0	.4	.3	.4	.3	.1	.1	.1	.2	.0	.0
350.	.2	.3	.7	.7	.5	.5	.5	.0	.0	.0	.4	.3	.5	.2	.1	.2	.2	.3	.0	.0
355.	.1	.3	.7	.7	.5	.5	.5	.0	.0	.0	.3	.2	.4	.2	.4	.3	.4	.5	.0	.0
360.	.1	.2	.7	.7	.5	.5	.5	.0	.0	.0	.2	.2	.2	.2	.4	.5	.5	.6	.0	.0
MAX	.2	.4	.7	.9	.8	.7	.7	.8	.8	.8	.7	.8	.6	.5	.5	.8	1.1	1.0	.6	.7
DEGR.	185	335	0	340	300	70	70	100	100	250	195	225	200	190	165	155	100	105	85	100

1

JOB: S9 Eastern & Patterson BDPM21 RUN: Site 9 Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.4	.4	.4	.7	.5	.2	.1
5.	.0	.4	.4	.4	.7	.4	.3	.1
10.	.0	.4	.3	.4	.8	.5	.4	.2
15.	.0	.4	.3	.5	.7	.6	.3	.2
20.	.0	.4	.3	.6	.7	.6	.4	.2
25.	.0	.4	.4	.7	.6	.5	.4	.2
30.	.0	.4	.4	.7	.6	.6	.3	.2
35.	.0	.4	.4	.7	.7	.6	.2	.2
40.	.0	.4	.5	.7	.6	.6	.2	.2
45.	.0	.4	.6	.7	.6	.7	.2	.2
50.	.0	.4	.6	.7	.6	.7	.2	.2
55.	.0	.4	.6	.6	.6	.6	.2	.2
60.	.0	.4	.5	.6	.6	.6	.2	.2
65.	.0	.4	.4	.6	.7	.6	.3	.2
70.	.0	.4	.5	.7	.8	.6	.3	.2
75.	.1	.4	.7	.7	.7	.6	.3	.2
80.	.1	.5	.7	.4	.9	.4	.3	.2
85.	.3	.4	.6	.4	.8	.3	.2	.2
90.	.4	.4	.4	.5	.6	.2	.2	.2
95.	.5	.2	.2	.5	.6	.2	.2	.2
100.	.4	.0	.0	.1	.5	.2	.2	.2
105.	.4	.0	.0	.1	.4	.2	.2	.2
110.	.4	.0	.0	.1	.4	.2	.2	.2
115.	.5	.0	.0	.1	.4	.2	.2	.2
120.	.5	.0	.0	.0	.4	.2	.2	.2
125.	.5	.0	.0	.0	.4	.2	.2	.2
130.	.5	.0	.0	.0	.4	.1	.2	.2
135.	.3	.0	.0	.0	.4	.1	.2	.2
140.	.3	.0	.0	.0	.3	.1	.2	.2
145.	.3	.0	.0	.0	.3	.2	.2	.2
150.	.3	.0	.0	.0	.3	.2	.2	.2
155.	.3	.0	.0	.0	.3	.2	.2	.2
160.	.3	.0	.0	.0	.1	.2	.2	.2
165.	.3	.0	.0	.0	.1	.2	.2	.2
170.	.3	.0	.0	.0	.1	.2	.2	.2
175.	.3	.0	.0	.0	.1	.2	.2	.1
180.	.3	.0	.0	.0	.1	.1	.1	.1
185.	.3	.0	.0	.0	.0	.1	.0	.0
190.	.3	.0	.0	.0	.0	.0	.0	.0
195.	.3	.0	.0	.0	.0	.0	.0	.0
200.	.3	.0	.0	.0	.0	.0	.0	.0
205.	.3	.0	.0	.0	.0	.0	.0	.0

1

JOB: S9 Eastern & Patterson BDPM21 RUN: Site 9 Build PM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.3	.0	.0	.0	.0	.0	.0	.0
215.	.3	.0	.0	.0	.0	.0	.0	.0
220.	.3	.0	.0	.0	.0	.0	.0	.0
225.	.5	.0	.0	.0	.0	.0	.0	.0
230.	.5	.0	.0	.0	.0	.0	.0	.0
235.	.5	.0	.0	.0	.0	.0	.0	.0
240.	.5	.0	.0	.0	.0	.0	.0	.0
245.	.5	.0	.0	.0	.0	.0	.0	.0
250.	.5	.0	.0	.0	.0	.0	.0	.0
255.	.5	.2	.2	.2	.1	.0	.0	.0
260.	.4	.3	.3	.3	.4	.0	.0	.0
265.	.3	.3	.4	.4	.4	.0	.0	.0
270.	.3	.5	.5	.5	.4	.1	.0	.0
275.	.3	.5	.5	.5	.5	.2	.0	.0
280.	.1	.5	.6	.5	.6	.3	.0	.0
285.	.0	.5	.6	.6	.6	.3	.0	.0
290.	.0	.5	.5	.6	.4	.3	.0	.0
295.	.0	.4	.4	.5	.4	.3	.0	.0
300.	.0	.4	.4	.4	.4	.2	.0	.0
305.	.0	.4	.4	.4	.4	.3	.0	.0
310.	.0	.4	.4	.4	.4	.3	.0	.0
315.	.0	.4	.4	.4	.4	.3	.0	.0
320.	.0	.4	.4	.4	.4	.2	.0	.0
325.	.0	.4	.4	.4	.4	.1	.0	.0
330.	.0	.4	.4	.4	.4	.1	.0	.0
335.	.0	.4	.3	.4	.4	.1	.0	.0

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340.  *    .0    .4    .3    .4    .4    .1    .0    .0
345.  *    .0    .4    .3    .4    .5    .1    .0    .0
350.  *    .0    .4    .4    .4    .5    .3    .0    .0
355.  *    .0    .4    .4    .4    .6    .4    .2    .1
360.  *    .0    .4    .4    .4    .7    .5    .2    .1
------*-----------------------------------------------
MAX   *    .5    .5    .7    .7    .9    .7    .4    .2
DEGR. *   95    80    75    25    80    45    10    10

THE HIGHEST CONCENTRATION IS    1.10 PPM AT  100 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS    1.00 PPM AT  105 DEGREES FROM REC18.
THE 3RD HIGHEST CONCENTRATION IS     .90 PPM AT   80 DEGREES FROM REC25.
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S9 Eastern & Patterson BDPM35           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1259.      865.       5.0
SE 164 S                 1251.     1003.       5.0
SE 82 S                  1247.     1084.       5.0
SE CNR                   1244.     1165.       5.0
SE 82 E                  1325.     1170.       5.0
SE 164 E                 1406.     1175.       5.0
SE MID E                 1567.     1182.       5.0
NE MID E                 1559.     1244.       5.0
NE 164 E                 1406.     1237.       5.0
NE 82 E                  1324.     1232.       5.0
NE CNR                   1245.     1233.       5.0
NE 82 N                  1240.     1308.       5.0
NE 164 N                 1236.     1391.       5.0
NE MID N                 1232.     1529.       5.0
NW MID N                 1168.     1532.       5.0
NW 164 N                 1174.     1388.       5.0
NW 82 N                  1177.     1307.       5.0
NW CNR                   1179.     1225.       5.0
NW 82 W                  1098.     1220.       5.0
NW 164 W                 1016.     1216.       5.0
NW MID W                  818.     1206.       5.0
SW MID W                  819.     1143.       5.0
SW 164 W                 1018.     1154.       5.0
SW 82 W                  1101.     1159.       5.0
SW CNR                   1178.     1160.       5.0
SW 82 S                  1186.     1082.       5.0
SW 164 S                 1190.     1000.       5.0
SW MID S                 1198.      862.       5.0
Site 9 Build PM 2035                     19  1   0
  1
EB        East      AG   216.  1138.  1017.  1179.    910. 7.9   0  32   35.
  1
EB        East      AG  1017.  1179.  1215.  1189.    910. 7.9   0  32   35.
  2
EB        East      AG  1172.  1187.  1026.  1179.      0.  12   1
       110        43       2.0  910   42.1  878 1 3
  1
EB        East dep  AG  1215.  1189.  2213.  1238.   1075. 7.9   0  32   35.
  1
WB        East      AG  2212.  1252.  1563.  1220.    665. 7.9   0  32   35.
  1
WB        East      AG  1563.  1220.  1213.  1202.    665. 7.9   0  32   35.
  2
WB        East      AG  1255.  1204.  1532.  1218.      0.  12   1
       110        53       2.0  665   42.1  861 1 3
  1
WB        East dep  AG  1213.  1202.   216.  1149.    675. 7.9   0  32   35.
  1
NB        PP ap     AG  1253.   522.  1227.  1042.    280. 7.9   0  32   25.
  1
NB        PP ap     AG  1227.  1042.  1221.  1196.    280. 7.9   0  44   25.
  2
NB        PP        AG  1223.  1159.  1227.  1052.      0.  24   2
       110        67       2.0  280   42.1 1088 1 3
  1
NB        PP dep    AG  1221.  1196.  1204.  1564.    355. 7.9   0  32   25.
  1
NB        PP dep    AG  1204.  1564.  1183.  1927.    355. 7.9   0  32   25.
  1
NB        PP dep    AG  1183.  1927.  1171.  2195.    355. 7.9   0  32   25.
  1
SB        PP ap     AG  1155.  2196.  1171.  1926.    605. 7.9   0  32   25.
  1
SB        PP ap     AG  1171.  1926.  1189.  1552.    605. 7.9   0  32   25.
  1
SB        PP ap     AG  1189.  1552.  1202.  1195.    605. 7.9   0  44   25.
  2
SB        PP        AG  1201.  1237.  1193.  1431.      0.  24   2
       110        67       2.0  605   42.1 1286 1 3
  1
SB        PP dep    AG  1202.  1195.  1241.   529.    355. 7.9   0  32   25.
1.0   04  1000   0Y  5  0 72
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JOB: S9 Eastern & Patterson BDPM35 RUN: Site 9 Build PM 2035
DATE: 09/07/2012 TIME: 12:18:48.33

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	East	*	216.0	1138.0	1017.0	1179.0	*	802.	87.	AG	910.	7.9	.0	32.0		
2. EB	East	*	1017.0	1179.0	1215.0	1189.0	*	198.	87.	AG	910.	7.9	.0	32.0		
3. EB	East	*	1172.0	1187.0	-3249.6	944.7	*	4428.	267.	AG	44.	100.0	.0	12.0	1.81	225.0
4. EB	East dep	*	1215.0	1189.0	2213.0	1238.0	*	999.	87.	AG	1075.	7.9	.0	32.0		
5. WB	East	*	2212.0	1252.0	1563.0	1220.0	*	650.	267.	AG	665.	7.9	.0	32.0		
6. WB	East	*	1563.0	1220.0	1213.0	1202.0	*	350.	267.	AG	665.	7.9	.0	32.0		
7. WB	East	*	1255.0	1204.0	4074.2	1346.5	*	2823.	87.	AG	54.	100.0	.0	12.0	1.61	143.4
8. WB	East dep	*	1213.0	1202.0	216.0	1149.0	*	998.	267.	AG	675.	7.9	.0	32.0		
9. NB	PP ap	*	1253.0	522.0	1227.0	1042.0	*	521.	357.	AG	280.	7.9	.0	32.0		
10. NB	PP ap	*	1227.0	1042.0	1221.0	1196.0	*	154.	358.	AG	280.	7.9	.0	44.0		
11. NB	PP	*	1223.0	1159.0	1224.9	1107.7	*	51.	178.	AG	138.	100.0	.0	24.0	.36	2.6
12. NB	PP dep	*	1221.0	1196.0	1204.0	1564.0	*	368.	357.	AG	355.	7.9	.0	32.0		
13. NB	PP dep	*	1204.0	1564.0	1183.0	1927.0	*	364.	357.	AG	355.	7.9	.0	32.0		
14. NB	PP dep	*	1183.0	1927.0	1171.0	2195.0	*	268.	357.	AG	355.	7.9	.0	32.0		
15. SB	PP ap	*	1155.0	2196.0	1171.0	1926.0	*	270.	177.	AG	605.	7.9	.0	32.0		
16. SB	PP ap	*	1171.0	1926.0	1189.0	1552.0	*	374.	177.	AG	605.	7.9	.0	32.0		
17. SB	PP ap	*	1189.0	1552.0	1202.0	1195.0	*	357.	178.	AG	605.	7.9	.0	44.0		
18. SB	PP	*	1201.0	1237.0	1196.4	1347.5	*	111.	358.	AG	138.	100.0	.0	24.0	.66	5.6
19. SB	PP dep	*	1202.0	1195.0	1241.0	529.0	*	667.	177.	AG	355.	7.9	.0	32.0		

JOB: S9 Eastern & Patterson BDPM35 RUN: Site 9 Build PM 2035
DATE: 09/07/2012 TIME: 12:18:48.33

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. EB	East	*	110	43	2.0	910	878	42.10	1	3
7. WB	East	*	110	53	2.0	665	861	42.10	1	3
11. NB	PP	*	110	67	2.0	280	1088	42.10	1	3
18. SB	PP	*	110	67	2.0	605	1286	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1259.0	865.0	5.0	*
2. SE 164 S	*	1251.0	1003.0	5.0	*
3. SE 82 S	*	1247.0	1084.0	5.0	*
4. SE CNR	*	1244.0	1165.0	5.0	*
5. SE 82 E	*	1325.0	1170.0	5.0	*
6. SE 164 E	*	1406.0	1175.0	5.0	*
7. SE MID E	*	1567.0	1182.0	5.0	*
8. NE MID E	*	1559.0	1244.0	5.0	*
9. NE 164 E	*	1406.0	1237.0	5.0	*
10. NE 82 E	*	1324.0	1232.0	5.0	*
11. NE CNR	*	1245.0	1233.0	5.0	*
12. NE 82 N	*	1240.0	1308.0	5.0	*
13. NE 164 N	*	1236.0	1391.0	5.0	*
14. NE MID N	*	1232.0	1529.0	5.0	*
15. NW MID N	*	1168.0	1532.0	5.0	*
16. NW 164 N	*	1174.0	1388.0	5.0	*
17. NW 82 N	*	1177.0	1307.0	5.0	*
18. NW CNR	*	1179.0	1225.0	5.0	*
19. NW 82 W	*	1098.0	1220.0	5.0	*
20. NW 164 W	*	1016.0	1216.0	5.0	*
21. NW MID W	*	818.0	1206.0	5.0	*
22. SW MID W	*	819.0	1143.0	5.0	*
23. SW 164 W	*	1018.0	1154.0	5.0	*
24. SW 82 W	*	1101.0	1159.0	5.0	*
25. SW CNR	*	1178.0	1160.0	5.0	*
26. SW 82 S	*	1186.0	1082.0	5.0	*
27. SW 164 S	*	1190.0	1000.0	5.0	*
28. SW MID S	*	1198.0	862.0	5.0	*

JOB: S9 Eastern & Patterson BDPM35 RUN: Site 9 Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first

angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.2	.5	.7	.5	.5	.5	.0	.0	.0	.2	.2	.1	.2	.4	.3	.3	.4	.0	.0
5.	.0	.1	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.0	.0
10.	.0	.1	.3	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.5	.7	.0	.0
15.	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.5	.8	.0	.0
20.	.0	.1	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.6	.7	.1	.0
25.	.0	.1	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.6	.7	.1	.0
30.	.0	.1	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.2	.0
35.	.1	.1	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.2	.0
40.	.1	.1	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.3	.7	.7	.2	.0
45.	.1	.1	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.3	.7	.6	.2	.0
50.	.1	.1	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.3	.7	.6	.2	.0
55.	.1	.1	.3	.5	.5	.5	.6	.0	.0	.0	.0	.0	.0	.0	.2	.3	.7	.5	.2	.1
60.	.0	.1	.3	.6	.6	.6	.7	.0	.0	.0	.0	.0	.0	.0	.2	.3	.7	.5	.2	.1
65.	.0	.1	.2	.6	.6	.6	.7	.0	.0	.0	.0	.0	.0	.0	.2	.3	.7	.5	.2	.1
70.	.0	.1	.2	.6	.6	.7	.7	.0	.0	.0	.0	.0	.0	.0	.2	.3	.7	.5	.2	.1
75.	.0	.1	.2	.6	.6	.7	.7	.3	.2	.3	.2	.0	.0	.0	.3	.3	.7	.7	.3	.2
80.	.0	.0	.2	.6	.7	.7	.6	.3	.4	.3	.3	.0	.0	.0	.3	.3	.7	.7	.6	.4
85.	.0	.0	.1	.5	.6	.6	.5	.4	.5	.5	.3	.0	.0	.0	.3	.3	.7	.7	.6	.4
90.	.0	.0	.0	.4	.5	.5	.4	.6	.6	.6	.4	.2	.0	.0	.3	.3	.9	.7	.7	.5
95.	.0	.0	.0	.3	.3	.3	.4	.6	.6	.7	.6	.2	.0	.0	.3	.3	.9	.8	.6	.5
100.	.0	.0	.0	.1	.1	.1	.1	.7	.8	.7	.6	.2	.1	.0	.3	.4	.9	1.0	.7	.6
105.	.0	.0	.0	.1	.1	.1	.1	.7	.8	.7	.7	.2	.1	.0	.3	.4	.9	1.0	.5	.6
110.	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.3	.1	.0	.3	.4	1.0	.8	.5	.6
115.	.0	.0	.0	.0	.0	.0	.0	.7	.6	.7	.5	.3	.1	.0	.3	.4	1.0	.6	.5	.5
120.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.5	.3	.1	.0	.3	.4	1.0	.6	.6	.5
125.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.5	.3	.1	.1	.4	.4	.9	.6	.6	.5
130.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.5	.3	.1	.1	.4	.5	.9	.5	.6	.5
135.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.5	.3	.1	.1	.3	.5	1.0	.6	.5	.5
140.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.5	.2	.1	.0	.3	.5	1.0	.5	.5	.5
145.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.5	.2	.1	.0	.3	.6	.9	.6	.5	.5
150.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.4	.2	.1	.0	.3	.6	.8	.5	.5	.5
155.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.4	.2	.1	.0	.3	.6	.8	.6	.5	.5
160.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.4	.2	.1	.0	.4	.6	.6	.7	.5	.4
165.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.3	.2	.1	.0	.5	.6	.5	.7	.5	.4
170.	.0	.1	.0	.1	.0	.0	.0	.5	.5	.5	.3	.2	.1	.0	.4	.5	.6	.7	.5	.5
175.	.1	.1	.1	.2	.0	.0	.0	.5	.5	.5	.4	.2	.3	.2	.3	.4	.7	.6	.5	.5
180.	.2	.2	.2	.3	.0	.0	.0	.5	.5	.5	.5	.3	.3	.3	.3	.4	.4	.6	.5	.5
185.	.2	.2	.2	.4	.0	.0	.0	.4	.5	.5	.6	.3	.3	.3	.2	.2	.4	.6	.5	.5
190.	.2	.2	.3	.4	.0	.0	.0	.4	.5	.5	.6	.4	.4	.3	.1	.3	.3	.4	.5	.4
195.	.2	.2	.3	.5	.0	.0	.0	.4	.5	.5	.6	.3	.4	.3	.1	.3	.3	.4	.5	.4
200.	.2	.2	.3	.5	.0	.0	.0	.4	.5	.5	.5	.4	.4	.2	.1	.2	.2	.5	.5	.5
205.	.2	.2	.2	.5	.0	.0	.0	.5	.5	.5	.4	.4	.4	.2	.0	.0	.2	.5	.5	.5

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JOB: S9 Eastern & Patterson BDPM35 RUN: Site 9 Build PM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.2	.2	.2	.6	.0	.0	.0	.5	.5	.5	.6	.6	.4	.2	.0	.0	.2	.5	.5	.5
215.	.2	.2	.2	.6	.0	.0	.0	.5	.5	.6	.5	.6	.4	.2	.0	.0	.2	.5	.5	.5
220.	.2	.2	.2	.6	.0	.0	.0	.5	.5	.6	.6	.6	.4	.2	.0	.0	.2	.5	.5	.5
225.	.2	.2	.2	.6	.0	.0	.0	.5	.5	.6	.6	.7	.3	.2	.0	.0	.2	.5	.5	.5
230.	.2	.2	.2	.6	.0	.0	.0	.5	.5	.6	.6	.7	.4	.2	.0	.2	.2	.5	.5	.5
235.	.2	.2	.2	.5	.1	.0	.0	.5	.5	.6	.6	.7	.4	.2	.0	.2	.2	.5	.5	.5
240.	.2	.2	.2	.5	.1	.0	.0	.5	.5	.6	.7	.7	.5	.2	.0	.2	.2	.5	.5	.5
245.	.2	.2	.2	.5	.1	.0	.0	.5	.5	.7	.7	.8	.3	.2	.0	.1	.2	.6	.5	.5
250.	.2	.2	.2	.4	.1	.1	.1	.5	.5	.6	.8	.8	.3	.2	.0	.1	.3	.6	.6	.5
255.	.2	.2	.2	.5	.1	.1	.1	.5	.6	.8	.7	.8	.2	.2	.0	.0	.3	.5	.6	.5
260.	.2	.2	.2	.8	.5	.2	.2	.5	.7	.6	.8	.8	.2	.2	.0	.0	.3	.5	.5	.5
265.	.2	.2	.2	.7	.6	.4	.3	.4	.6	.6	.8	.5	.2	.2	.0	.0	.0	.5	.4	.5
270.	.2	.2	.3	.8	.7	.7	.5	.3	.4	.6	.7	.5	.2	.2	.0	.0	.0	.4	.4	.4
275.	.2	.2	.5	.9	.7	.8	.5	.3	.3	.3	.4	.5	.2	.2	.0	.0	.0	.3	.3	.3
280.	.2	.3	.5	.9	.6	.6	.6	.1	.1	.2	.5	.5	.2	.2	.0	.0	.0	.1	.2	.2
285.	.2	.3	.5	.8	.6	.5	.6	.0	.1	.2	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0
290.	.2	.3	.5	.8	.6	.6	.7	.0	.1	.2	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0
295.	.2	.3	.5	.5	.6	.6	.6	.0	.1	.2	.4	.4	.2	.2	.0	.0	.0	.0	.0	.0
300.	.2	.2	.5	.5	.7	.6	.5	.0	.0	.2	.4	.4	.2	.3	.0	.0	.0	.0	.0	.0
305.	.2	.2	.5	.5	.7	.6	.5	.0	.0	.2	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0
310.	.2	.2	.5	.6	.7	.5	.5	.0	.0	.2	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0
315.	.2	.2	.6	.8	.7	.5	.5	.0	.0	.2	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0
320.	.2	.3	.6	.8	.7	.5	.5	.0	.0	.1	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0
325.	.2	.3	.6	.8	.7	.5	.5	.0	.0	.1	.5	.3	.2	.3	.0	.0	.0	.0	.0	.0
330.	.2	.3	.5	.7	.7	.5	.5	.0	.0	.1	.4	.3	.2	.2	.0	.0	.0	.0	.0	.0
335.	.2	.2	.8	.7	.5	.5	.5	.0	.0	.0	.4	.2	.2	.2	.0	.1	.1	.1	.0	.0
340.	.2	.3	.5	.7	.5	.5	.5	.0	.0	.0	.4	.2	.2	.2	.0	.1	.1	.1	.0	.0
345.	.2	.3	.6	.6	.5	.5	.5	.0	.0	.0	.3	.2	.3	.2	.1	.1	.1	.2	.0	.0
350.	.2	.2	.6	.7	.5	.5	.6	.0	.0	.0	.3	.2	.3	.2	.1	.1	.1	.2	.0	.0
355.	.1	.1	.6	.7	.5	.5	.6	.0	.0	.0	.3	.2	.3	.2	.1	.3	.2	.4	.0	.0
360.	.0	.2	.5	.7	.5	.5	.5	.0	.0	.0	.2	.2	.1	.2	.4	.3	.3	.4	.0	.0
MAX	.2	.3	.8	.9	.7	.8	.7	.7	.8	.8	.8	.8	.5	.3	.5	.6	1.0	1.0	.7	.6
DEGR.	180	280	335	275	80	275	60	100	100	255	250	245	240	180	165	145	110	100	90	100

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JOB: S9 Eastern & Patterson BDPM35 RUN: Site 9 Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.4	.4	.4	.5	.4	.2	.1
5.	.0	.4	.4	.4	.8	.4	.2	.1
10.	.0	.4	.5	.4	.8	.5	.2	.1
15.	.0	.4	.4	.5	.8	.4	.2	.1
20.	.0	.4	.4	.6	.6	.3	.3	.2
25.	.0	.4	.4	.6	.6	.5	.3	.2
30.	.0	.4	.4	.6	.7	.6	.2	.2
35.	.0	.4	.4	.6	.8	.6	.2	.3
40.	.0	.4	.4	.6	.7	.6	.2	.3
45.	.0	.4	.5	.7	.7	.6	.2	.3
50.	.0	.5	.6	.7	.5	.6	.2	.3
55.	.0	.6	.6	.7	.5	.6	.2	.3
60.	.0	.6	.6	.6	.6	.6	.2	.2
65.	.0	.6	.5	.7	.6	.6	.2	.2
70.	.0	.6	.6	.7	.7	.5	.2	.2
75.	.1	.4	.6	.7	.8	.4	.2	.2
80.	.1	.5	.6	.7	.8	.4	.2	.2
85.	.3	.5	.6	.5	.8	.3	.2	.2
90.	.5	.4	.3	.6	.7	.2	.2	.2
95.	.5	.1	.2	.4	.7	.2	.2	.2
100.	.5	.1	.2	.2	.5	.2	.2	.2
105.	.5	.0	.0	.1	.5	.2	.2	.2
110.	.5	.0	.0	.1	.4	.2	.2	.2
115.	.5	.0	.0	.1	.4	.1	.2	.2
120.	.5	.0	.0	.0	.4	.1	.2	.2
125.	.5	.0	.0	.0	.4	.1	.2	.2
130.	.5	.0	.0	.0	.4	.1	.2	.2
135.	.5	.0	.0	.0	.4	.1	.2	.2
140.	.5	.0	.0	.0	.3	.1	.2	.2
145.	.5	.0	.0	.0	.3	.1	.2	.2
150.	.5	.0	.0	.0	.2	.1	.2	.2
155.	.5	.0	.0	.0	.2	.2	.2	.2
160.	.5	.0	.0	.0	.1	.2	.2	.2
165.	.5	.0	.0	.0	.1	.2	.2	.2
170.	.5	.0	.0	.0	.1	.2	.2	.1
175.	.5	.0	.0	.0	.1	.1	.1	.1
180.	.5	.0	.0	.0	.1	.1	.1	.1
185.	.5	.0	.0	.0	.1	.1	.1	.0
190.	.5	.0	.0	.0	.0	.0	.0	.0
195.	.5	.0	.0	.0	.0	.0	.0	.0
200.	.5	.0	.0	.0	.0	.0	.0	.0
205.	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: S9 Eastern & Patterson BDPM35 RUN: Site 9 Build PM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.5	.0	.0	.0	.0	.0	.0	.0
215.	.5	.0	.0	.0	.0	.0	.0	.0
220.	.5	.0	.0	.0	.0	.0	.0	.0
225.	.5	.0	.0	.0	.0	.0	.0	.0
230.	.5	.0	.0	.0	.0	.0	.0	.0
235.	.5	.0	.0	.0	.0	.0	.0	.0
240.	.5	.0	.0	.0	.0	.0	.0	.0
245.	.5	.0	.0	.0	.0	.0	.0	.0
250.	.5	.1	.1	.0	.0	.0	.0	.0
255.	.5	.2	.2	.2	.1	.0	.0	.0
260.	.5	.3	.4	.4	.4	.0	.0	.0
265.	.5	.4	.4	.4	.4	.0	.0	.0
270.	.3	.4	.5	.5	.4	.1	.0	.0
275.	.3	.5	.6	.6	.5	.3	.0	.0
280.	.1	.6	.6	.7	.6	.3	.0	.0
285.	.0	.6	.6	.6	.6	.3	.1	.0
290.	.0	.6	.6	.6	.5	.3	.1	.0
295.	.0	.6	.6	.6	.6	.2	.1	.0
300.	.0	.6	.6	.5	.5	.3	.1	.0
305.	.0	.5	.6	.5	.4	.2	.1	.0
310.	.0	.4	.4	.4	.4	.2	.0	.0
315.	.0	.4	.4	.4	.4	.2	.0	.0
320.	.0	.4	.4	.4	.4	.2	.0	.0
325.	.0	.4	.4	.4	.4	.2	.0	.0
330.	.0	.4	.4	.4	.4	.2	.1	.0
335.	.0	.4	.4	.4	.4	.2	.1	.0

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340.  *    .0    .4    .4    .4    .4    .2    .1    .0
345.  *    .0    .4    .5    .4    .5    .2    .1    .0
350.  *    .0    .4    .4    .4    .5    .4    .1    .1
355.  *    .0    .4    .4    .4    .5    .4    .1    .1
360.  *    .0    .4    .4    .4    .5    .4    .2    .1
------*-----------------------------------------------
MAX   *    .5    .6    .6    .7    .8    .6    .3    .3
DEGR. *   90    55    50    45    35    30    20    35

THE HIGHEST CONCENTRATION IS    1.00 PPM AT  100 DEGREES FROM REC18.
THE 2ND HIGHEST CONCENTRATION IS    1.00 PPM AT  110 DEGREES FROM REC17.
THE 3RD HIGHEST CONCENTRATION IS     .90 PPM AT  275 DEGREES FROM REC4 .
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S9 Eastern & Patterson EXAM             60.0321.0.0000.000280.30480000    1    1
SE MID S                 1259.      865.       5.0
SE 164 S                 1251.     1003.       5.0
SE 82 S                  1247.     1084.       5.0
SE CNR                   1244.     1165.       5.0
SE 82 E                  1325.     1170.       5.0
SE 164 E                 1406.     1175.       5.0
SE MID E                 1567.     1182.       5.0
NE MID E                 1559.     1244.       5.0
NE 164 E                 1406.     1237.       5.0
NE 82 E                  1324.     1232.       5.0
NE CNR                   1245.     1233.       5.0
NE 82 N                  1240.     1308.       5.0
NE 164 N                 1236.     1391.       5.0
NE MID N                 1232.     1529.       5.0
NW MID N                 1168.     1532.       5.0
NW 164 N                 1174.     1388.       5.0
NW 82 N                  1177.     1307.       5.0
NW CNR                   1179.     1225.       5.0
NW 82 W                  1098.     1220.       5.0
NW 164 W                 1016.     1216.       5.0
NW MID W                  818.     1206.       5.0
SW MID W                  819.     1143.       5.0
SW 164 W                 1018.     1154.       5.0
SW 82 W                  1101.     1159.       5.0
SW CNR                   1178.     1160.       5.0
SW 82 S                  1186.     1082.       5.0
SW 164 S                 1190.     1000.       5.0
SW MID S                 1198.      862.       5.0
Site 9 Existing AM                      19  1   0
  1
EB        East      AG   216.  1138.  1017.  1179.    285.10.0   0  32   35.
  1
EB        East      AG  1017.  1179.  1215.  1189.    285.10.0   0  32   35.
  2
EB        East      AG  1172.  1187.  1026.  1179.      0.  12   1
       110        26       2.0  285   56.4 1320 1 3
  1
EB        East dep  AG  1215.  1189.  2213.  1238.    370.10.0   0  32   35.
  1
WB        East      AG  2212.  1252.  1563.  1220.    780.10.0   0  32   35.
  1
WB        East      AG  1563.  1220.  1213.  1202.    780.10.0   0  32   35.
  2
WB        East      AG  1255.  1204.  1532.  1218.      0.  12   1
       110        26       2.0  780   56.4 1379 1 3
  1
WB        East dep  AG  1213.  1202.   216.  1149.    635.10.0   0  32   35.
  1
NB        PP ap     AG  1253.   522.  1227.  1042.    195.10.2   0  32   25.
  1
NB        PP ap     AG  1227.  1042.  1221.  1196.    195.10.2   0  44   25.
  2
NB        PP        AG  1223.  1159.  1227.  1052.      0.  24   2
       110        84       2.0  195   56.4 1327 1 3
  1
NB        PP dep    AG  1221.  1196.  1204.  1564.    385.10.2   0  32   25.
  1
NB        PP dep    AG  1204.  1564.  1183.  1927.    385.10.2   0  32   25.
  1
NB        PP dep    AG  1183.  1927.  1171.  2195.    385.10.2   0  32   25.
  1
SB        PP ap     AG  1155.  2196.  1171.  1926.    235.10.2   0  32   25.
  1
SB        PP ap     AG  1171.  1926.  1189.  1552.    235.10.2   0  32   25.
  1
SB        PP ap     AG  1189.  1552.  1202.  1195.    235.10.2   0  44   25.
  2
SB        PP        AG  1201.  1237.  1193.  1431.      0.  24   2
       110        84       2.0  385   56.4 1138 1 3
  1
SB        PP dep    AG  1202.  1195.  1241.   529.    105.10.2   0  32   25.
1.0   04  1000   0Y  5  0 72
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JOB: S9 Eastern & Patterson EXAM RUN: Site 9 Existing AM
DATE: 09/07/2012 TIME: 12:16:30.74

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	East	*	216.0	1138.0	1017.0	1179.0	*	802.	87.	AG	285.	10.0	.0	32.0		
2. EB	East	*	1017.0	1179.0	1215.0	1189.0	*	198.	87.	AG	285.	10.0	.0	32.0		
3. EB	East	*	1172.0	1187.0	1131.5	1184.8	*	41.	267.	AG	36.	100.0	.0	12.0	.30	2.1
4. EB	East dep	*	1215.0	1189.0	2213.0	1238.0	*	999.	87.	AG	370.	10.0	.0	32.0		
5. WB	East	*	2212.0	1252.0	1563.0	1220.0	*	650.	267.	AG	780.	10.0	.0	32.0		
6. WB	East	*	1563.0	1220.0	1213.0	1202.0	*	350.	267.	AG	780.	10.0	.0	32.0		
7. WB	East	*	1255.0	1204.0	1365.8	1209.6	*	111.	87.	AG	36.	100.0	.0	12.0	.78	5.6
8. WB	East dep	*	1213.0	1202.0	216.0	1149.0	*	998.	267.	AG	635.	10.0	.0	32.0		
9. NB	PP ap	*	1253.0	522.0	1227.0	1042.0	*	521.	357.	AG	195.	10.2	.0	32.0		
10. NB	PP ap	*	1227.0	1042.0	1221.0	1196.0	*	154.	358.	AG	195.	10.2	.0	44.0		
11. NB	PP	*	1223.0	1159.0	1224.7	1114.5	*	45.	178.	AG	231.	100.0	.0	24.0	.37	2.3
12. NB	PP dep	*	1221.0	1196.0	1204.0	1564.0	*	368.	357.	AG	385.	10.2	.0	32.0		
13. NB	PP dep	*	1204.0	1564.0	1183.0	1927.0	*	364.	357.	AG	385.	10.2	.0	32.0		
14. NB	PP dep	*	1183.0	1927.0	1171.0	2195.0	*	268.	357.	AG	385.	10.2	.0	32.0		
15. SB	PP ap	*	1155.0	2196.0	1171.0	1926.0	*	270.	177.	AG	235.	10.2	.0	32.0		
16. SB	PP ap	*	1171.0	1926.0	1189.0	1552.0	*	374.	177.	AG	235.	10.2	.0	32.0		
17. SB	PP ap	*	1189.0	1552.0	1202.0	1195.0	*	357.	178.	AG	235.	10.2	.0	44.0		
18. SB	PP	*	1201.0	1237.0	1196.5	1345.3	*	108.	358.	AG	231.	100.0	.0	24.0	.85	5.5
19. SB	PP dep	*	1202.0	1195.0	1241.0	529.0	*	667.	177.	AG	105.	10.2	.0	32.0		

JOB: S9 Eastern & Patterson EXAM RUN: Site 9 Existing AM
DATE: 09/07/2012 TIME: 12:16:30.74

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. EB	East	*	110	26	2.0	285	1320	56.40	1	3
7. WB	East	*	110	26	2.0	780	1379	56.40	1	3
11. NB	PP	*	110	84	2.0	195	1327	56.40	1	3
18. SB	PP	*	110	84	2.0	385	1138	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1259.0	865.0	5.0	*
2. SE 164 S	*	1251.0	1003.0	5.0	*
3. SE 82 S	*	1247.0	1084.0	5.0	*
4. SE CNR	*	1244.0	1165.0	5.0	*
5. SE 82 E	*	1325.0	1170.0	5.0	*
6. SE 164 E	*	1406.0	1175.0	5.0	*
7. SE MID E	*	1567.0	1182.0	5.0	*
8. NE MID E	*	1559.0	1244.0	5.0	*
9. NE 164 E	*	1406.0	1237.0	5.0	*
10. NE 82 E	*	1324.0	1232.0	5.0	*
11. NE CNR	*	1245.0	1233.0	5.0	*
12. NE 82 N	*	1240.0	1308.0	5.0	*
13. NE 164 N	*	1236.0	1391.0	5.0	*
14. NE MID N	*	1232.0	1529.0	5.0	*
15. NW MID N	*	1168.0	1532.0	5.0	*
16. NW 164 N	*	1174.0	1388.0	5.0	*
17. NW 82 N	*	1177.0	1307.0	5.0	*
18. NW CNR	*	1179.0	1225.0	5.0	*
19. NW 82 W	*	1098.0	1220.0	5.0	*
20. NW 164 W	*	1016.0	1216.0	5.0	*
21. NW MID W	*	818.0	1206.0	5.0	*
22. SW MID W	*	819.0	1143.0	5.0	*
23. SW 164 W	*	1018.0	1154.0	5.0	*
24. SW 82 W	*	1101.0	1159.0	5.0	*
25. SW CNR	*	1178.0	1160.0	5.0	*
26. SW 82 S	*	1186.0	1082.0	5.0	*
27. SW 164 S	*	1190.0	1000.0	5.0	*
28. SW MID S	*	1198.0	862.0	5.0	*

JOB: S9 Eastern & Patterson EXAM RUN: Site 9 Existing AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first

angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.2	.6	.5	.4	.3	.3	.0	.0	.0	.2	.1	.1	.1	.2	.1	.3	.6	.0	.0
5.	.0	.2	.3	.5	.4	.3	.3	.0	.0	.0	.1	.1	.1	.1	.2	.2	.4	.7	.0	.0
10.	.0	.1	.2	.4	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.2	.2	.5	.8	.0	.0
15.	.0	.1	.1	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.2	.2	.5	.9	.0	.0
20.	.0	.1	.1	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.9	.0	.0
25.	.0	.1	.1	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.2	.2	.7	.9	.1	.0
30.	.0	.1	.1	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.2	.2	.7	.9	.1	.0
35.	.0	.1	.1	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.2	.2	.8	.8	.1	.0
40.	.0	.1	.1	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.2	.2	.8	.8	.2	.0
45.	.0	.1	.2	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.2	.2	.9	.7	.2	.0
50.	.0	.0	.2	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.2	.2	.9	.7	.2	.1
55.	.0	.0	.2	.4	.3	.4	.3	.0	.0	.0	.0	.0	.0	.0	.2	.2	.9	.6	.2	.1
60.	.0	.0	.2	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.2	.9	.6	.2	.1
65.	.0	.0	.2	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	.2	.2	.9	.5	.2	.1
70.	.0	.0	.2	.4	.5	.5	.4	.1	.0	.0	.0	.0	.0	.0	.2	.2	.9	.6	.2	.1
75.	.0	.0	.1	.5	.5	.4	.4	.1	.2	.1	.1	.0	.0	.0	.2	.2	.9	.5	.3	.2
80.	.0	.0	.1	.5	.4	.4	.4	.2	.2	.3	.1	.0	.0	.0	.2	.2	.9	.5	.3	.3
85.	.0	.0	.0	.3	.3	.3	.3	.3	.3	.4	.3	.0	.0	.0	.2	.2	.9	.6	.4	.3
90.	.0	.0	.0	.3	.3	.3	.2	.4	.4	.4	.4	.0	.0	.0	.2	.2	.9	.6	.4	.5
95.	.0	.0	.0	.2	.2	.2	.2	.4	.4	.5	.4	.1	.0	.0	.2	.2	.9	.5	.4	.4
100.	.0	.0	.0	.1	.1	.1	.2	.5	.5	.5	.4	.1	.0	.0	.2	.2	1.0	.6	.4	.4
105.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.4	.5	.2	.1	.0	.2	.2	1.0	.6	.5	.3
110.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.5	.2	.0	.0	.2	.2	1.1	.6	.5	.3
115.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.5	.2	.0	.0	.2	.2	1.1	.6	.4	.3
120.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.5	.1	.0	.0	.2	.3	1.0	.6	.4	.3
125.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.5	.1	.1	.0	.2	.4	1.0	.4	.4	.3
130.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.5	.1	.1	.0	.2	.4	1.1	.5	.4	.3
135.	.0	.0	.0	.0	.0	.0	.0	.3	.4	.5	.4	.1	.1	.0	.2	.5	1.1	.5	.4	.3
140.	.0	.0	.0	.0	.0	.0	.0	.3	.4	.5	.4	.1	.1	.0	.2	.5	1.1	.5	.4	.3
145.	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4	.4	.1	.1	.0	.2	.6	1.0	.5	.3	.3
150.	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4	.3	.1	.1	.0	.2	.6	1.0	.6	.3	.3
155.	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.3	.1	.1	.0	.3	.7	1.1	.6	.3	.3
160.	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.3	.1	.1	.0	.3	.6	.9	.4	.3	.3
165.	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4	.3	.1	.1	.0	.3	.6	.7	.4	.3	.3
170.	.0	.0	.0	.1	.0	.0	.0	.3	.3	.4	.4	.1	.3	.2	.3	.6	.7	.4	.3	.2
175.	.1	.1	.1	.2	.0	.0	.0	.3	.3	.4	.4	.3	.3	.2	.3	.5	.6	.4	.3	.2
180.	.1	.1	.1	.3	.0	.0	.0	.4	.3	.4	.4	.3	.3	.2	.3	.4	.4	.3	.3	.2
185.	.1	.1	.1	.4	.0	.0	.0	.4	.3	.4	.4	.4	.3	.3	.2	.3	.3	.3	.3	.2
190.	.1	.1	.1	.4	.0	.0	.0	.3	.3	.4	.6	.4	.5	.3	.2	.2	.2	.3	.3	.2
195.	.1	.1	.1	.5	.0	.0	.0	.3	.3	.4	.6	.3	.6	.4	.0	.2	.1	.3	.3	.3
200.	.1	.1	.1	.6	.0	.0	.0	.3	.3	.4	.5	.3	.6	.4	.0	.1	.1	.3	.3	.3
205.	.1	.1	.1	.6	.0	.0	.0	.3	.3	.4	.5	.5	.6	.4	.0	.1	.1	.3	.3	.3

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JOB: S9 Eastern & Patterson EXAM RUN: Site 9 Existing AM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.1	.1	.1	.7	.0	.0	.0	.3	.3	.5	.5	.6	.7	.2	.0	.1	.1	.3	.3	.3
215.	.1	.1	.1	.7	.0	.0	.0	.4	.4	.6	.5	.7	.6	.2	.0	.1	.1	.3	.3	.3
220.	.1	.1	.1	.7	.0	.0	.0	.4	.4	.6	.4	.7	.6	.2	.0	.1	.1	.3	.3	.3
225.	.1	.1	.1	.7	.0	.0	.0	.4	.4	.6	.3	.7	.5	.2	.0	.1	.1	.3	.3	.3
230.	.1	.1	.1	.7	.1	.0	.0	.4	.4	.6	.4	.7	.5	.2	.0	.1	.1	.3	.3	.3
235.	.1	.1	.1	.7	.1	.0	.0	.4	.4	.6	.4	.7	.4	.2	.0	.1	.1	.4	.4	.4
240.	.1	.1	.1	.6	.1	.0	.0	.4	.5	.6	.5	.8	.4	.2	.0	.1	.1	.4	.4	.4
245.	.1	.1	.1	.6	.1	.0	.0	.4	.6	.7	.5	.8	.3	.2	.0	.1	.1	.4	.3	.4
250.	.1	.1	.1	.5	.1	.1	.0	.4	.6	.5	.6	.8	.3	.2	.0	.1	.1	.4	.4	.4
255.	.1	.1	.1	.5	.1	.1	.0	.4	.6	.3	.6	.8	.2	.2	.0	.0	.1	.4	.4	.4
260.	.1	.1	.1	.5	.2	.3	.2	.5	.4	.3	.5	.8	.2	.2	.0	.0	.1	.3	.4	.4
265.	.1	.1	.1	.5	.2	.4	.2	.4	.4	.3	.5	.8	.2	.2	.0	.0	.0	.2	.3	.3
270.	.1	.1	.1	.6	.4	.3	.3	.3	.3	.3	.6	.7	.2	.2	.0	.0	.0	.2	.2	.3
275.	.1	.1	.2	.5	.4	.3	.4	.2	.3	.3	.5	.7	.2	.2	.0	.0	.0	.1	.1	.1
280.	.1	.1	.2	.5	.3	.5	.4	.2	.2	.3	.6	.6	.2	.2	.0	.0	.0	.1	.1	.1
285.	.1	.2	.2	.4	.3	.6	.4	.1	.1	.2	.5	.6	.2	.1	.0	.0	.0	.1	.1	.1
290.	.1	.2	.2	.4	.5	.5	.4	.0	.1	.2	.5	.6	.2	.1	.0	.0	.0	.0	.0	.0
295.	.1	.2	.3	.4	.5	.4	.4	.0	.1	.2	.6	.6	.2	.1	.0	.0	.0	.0	.0	.0
300.	.1	.2	.3	.4	.4	.4	.3	.0	.1	.2	.6	.6	.2	.1	.0	.0	.0	.0	.0	.0
305.	.1	.2	.3	.5	.4	.4	.3	.0	.1	.2	.6	.5	.2	.1	.0	.0	.0	.0	.0	.0
310.	.1	.2	.4	.5	.7	.4	.3	.0	.0	.2	.7	.5	.2	.1	.0	.0	.0	.0	.0	.0
315.	.1	.2	.4	.5	.7	.4	.3	.0	.0	.2	.7	.4	.2	.1	.0	.0	.0	.0	.0	.0
320.	.1	.2	.5	.6	.6	.3	.3	.0	.0	.2	.6	.4	.2	.3	.0	.0	.0	.0	.0	.0
325.	.1	.1	.5	.8	.6	.3	.3	.0	.0	.2	.6	.4	.3	.3	.0	.0	.0	.0	.0	.0
330.	.1	.1	.6	.6	.6	.3	.3	.0	.0	.0	.7	.4	.3	.3	.0	.0	.0	.0	.0	.0
335.	.1	.1	.6	.7	.5	.3	.3	.0	.0	.0	.6	.4	.3	.3	.0	.0	.0	.0	.0	.0
340.	.1	.2	.5	.8	.4	.3	.2	.0	.0	.0	.6	.3	.3	.2	.0	.0	.0	.1	.0	.0
345.	.1	.3	.6	.7	.4	.3	.3	.0	.0	.0	.5	.3	.1	.2	.0	.0	.1	.2	.0	.0
350.	.1	.2	.7	.7	.4	.3	.3	.0	.0	.0	.2	.1	.1	.2	.1	.1	.1	.3	.0	.0
355.	.1	.2	.6	.6	.4	.3	.3	.0	.0	.0	.2	.1	.1	.1	.2	.1	.2	.4	.0	.0
360.	.0	.2	.6	.5	.4	.3	.3	.0	.0	.0	.2	.1	.1	.1	.2	.1	.3	.6	.0	.0
MAX	.1	.3	.7	.8	.7	.6	.4	.5	.6	.7	.7	.8	.7	.4	.3	.7	1.1	.9	.5	.5
DEGR.	175	345	350	325	310	285	60	100	245	245	330	240	210	195	155	155	110	15	105	90

1

JOB: S9 Eastern & Patterson EXAM RUN: Site 9 Existing AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.3	.2	.3	.6	.3	.2	.0
5.	.0	.3	.3	.3	.7	.3	.2	.0
10.	.0	.3	.3	.3	.7	.3	.2	.0
15.	.0	.3	.3	.4	.7	.4	.2	.0
20.	.0	.3	.3	.4	.6	.4	.2	.0
25.	.0	.3	.3	.4	.6	.4	.2	.1
30.	.0	.3	.3	.5	.6	.5	.2	.1
35.	.0	.3	.4	.5	.5	.5	.1	.1
40.	.0	.3	.4	.5	.5	.5	.1	.1
45.	.0	.3	.4	.5	.4	.4	.1	.1
50.	.0	.3	.4	.4	.4	.5	.1	.0
55.	.0	.3	.4	.4	.4	.5	.0	.0
60.	.0	.3	.4	.4	.3	.4	.0	.0
65.	.0	.3	.4	.4	.3	.4	.0	.0
70.	.0	.3	.4	.4	.4	.4	.0	.0
75.	.1	.3	.3	.4	.4	.1	.0	.0
80.	.1	.2	.3	.5	.4	.1	.0	.0
85.	.2	.2	.4	.4	.5	.1	.0	.0
90.	.2	.1	.4	.3	.4	.1	.0	.0
95.	.2	.1	.1	.3	.5	.1	.0	.0
100.	.4	.0	.1	.1	.3	.0	.0	.0
105.	.4	.0	.0	.1	.3	.0	.0	.0
110.	.4	.0	.0	.1	.3	.0	.0	.0
115.	.4	.0	.0	.1	.3	.0	.0	.0
120.	.3	.0	.0	.1	.3	.0	.0	.0
125.	.3	.0	.0	.0	.3	.0	.0	.0
130.	.3	.0	.0	.0	.4	.0	.1	.1
135.	.3	.0	.0	.0	.3	.0	.1	.1
140.	.3	.0	.0	.0	.2	.0	.1	.1
145.	.3	.0	.0	.0	.1	.0	.1	.1
150.	.3	.0	.0	.0	.1	.0	.1	.1
155.	.3	.0	.0	.0	.1	.0	.1	.1
160.	.3	.0	.0	.0	.0	.2	.1	.1
165.	.3	.0	.0	.0	.0	.2	.1	.1
170.	.3	.0	.0	.0	.0	.0	.0	.0
175.	.3	.0	.0	.0	.0	.0	.0	.0
180.	.3	.0	.0	.0	.0	.0	.0	.0
185.	.3	.0	.0	.0	.0	.0	.0	.0
190.	.3	.0	.0	.0	.0	.0	.0	.0
195.	.3	.0	.0	.0	.0	.0	.0	.0
200.	.3	.0	.0	.0	.0	.0	.0	.0
205.	.3	.0	.0	.0	.0	.0	.0	.0

1

JOB: S9 Eastern & Patterson EXAM RUN: Site 9 Existing AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.3	.0	.0	.0	.0	.0	.0	.0
215.	.3	.0	.0	.0	.0	.0	.0	.0
220.	.3	.0	.0	.0	.0	.0	.0	.0
225.	.3	.0	.0	.0	.0	.0	.0	.0
230.	.3	.0	.0	.0	.0	.0	.0	.0
235.	.3	.0	.0	.0	.0	.0	.0	.0
240.	.4	.0	.0	.0	.0	.0	.0	.0
245.	.4	.0	.0	.0	.0	.0	.0	.0
250.	.4	.0	.0	.0	.0	.0	.0	.0
255.	.4	.0	.1	.1	.1	.0	.0	.0
260.	.4	.2	.2	.1	.1	.0	.0	.0
265.	.3	.2	.2	.2	.1	.0	.0	.0
270.	.2	.2	.3	.3	.3	.0	.0	.0
275.	.1	.3	.3	.4	.3	.1	.0	.0
280.	.1	.3	.3	.4	.3	.1	.0	.0
285.	.0	.3	.3	.4	.3	.1	.0	.0
290.	.0	.3	.3	.3	.3	.1	.1	.0
295.	.0	.3	.3	.3	.3	.1	.1	.0
300.	.0	.3	.3	.3	.3	.1	.1	.0
305.	.0	.3	.3	.3	.4	.1	.1	.0
310.	.0	.3	.3	.3	.4	.1	.1	.0
315.	.0	.3	.3	.3	.4	.1	.1	.0
320.	.0	.3	.3	.3	.4	.1	.1	.0
325.	.0	.3	.3	.3	.3	.1	.1	.0
330.	.0	.3	.3	.3	.3	.1	.1	.0
335.	.0	.3	.3	.3	.3	.1	.1	.0

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340.  *    .0    .3    .3    .3    .2    .1    .0    .0
345.  *    .0    .3    .3    .3    .3    .2    .0    .0
350.  *    .0    .3    .3    .3    .3    .2    .1    .0
355.  *    .0    .2    .2    .3    .5    .2    .1    .0
360.  *    .0    .3    .2    .3    .6    .3    .2    .0
------*-----------------------------------------------
MAX   *    .4    .3    .4    .5    .7    .5    .2    .1
DEGR. *  100     0    35    30     5    30     0    25

THE HIGHEST CONCENTRATION IS    1.10 PPM AT  110 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS     .90 PPM AT   15 DEGREES FROM REC18.
THE 3RD HIGHEST CONCENTRATION IS     .80 PPM AT  325 DEGREES FROM REC4 .
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S9 Eastern & Patterson EXPM             60.0321.0.0000.000280.30480000    1    1
SE MID S                 1259.      865.       5.0
SE 164 S                 1251.     1003.       5.0
SE 82 S                  1247.     1084.       5.0
SE CNR                   1244.     1165.       5.0
SE 82 E                  1325.     1170.       5.0
SE 164 E                 1406.     1175.       5.0
SE MID E                 1567.     1182.       5.0
NE MID E                 1559.     1244.       5.0
NE 164 E                 1406.     1237.       5.0
NE 82 E                  1324.     1232.       5.0
NE CNR                   1245.     1233.       5.0
NE 82 N                  1240.     1308.       5.0
NE 164 N                 1236.     1391.       5.0
NE MID N                 1232.     1529.       5.0
NW MID N                 1168.     1532.       5.0
NW 164 N                 1174.     1388.       5.0
NW 82 N                  1177.     1307.       5.0
NW CNR                   1179.     1225.       5.0
NW 82 W                  1098.     1220.       5.0
NW 164 W                 1016.     1216.       5.0
NW MID W                  818.     1206.       5.0
SW MID W                  819.     1143.       5.0
SW 164 W                 1018.     1154.       5.0
SW 82 W                  1101.     1159.       5.0
SW CNR                   1178.     1160.       5.0
SW 82 S                  1186.     1082.       5.0
SW 164 S                 1190.     1000.       5.0
SW MID S                 1198.      862.       5.0
Site 9 Existing PM                      19  1   0
  1
EB        East      AG   216.  1138.  1017.  1179.    640.10.0   0  32   35.
  1
EB        East      AG  1017.  1179.  1215.  1189.    640.10.0   0  32   35.
  2
EB        East      AG  1172.  1187.  1026.  1179.      0.  12   1
       110        37       2.0  640   56.4 1485 1 3
  1
EB        East dep  AG  1215.  1189.  2213.  1238.    890.10.0   0  32   35.
  1
WB        East      AG  2212.  1252.  1563.  1220.    520.10.0   0  32   35.
  1
WB        East      AG  1563.  1220.  1213.  1202.    520.10.0   0  32   35.
  2
WB        East      AG  1255.  1204.  1532.  1218.      0.  12   1
       110        37       2.0  520   56.4 1504 1 3
  1
WB        East dep  AG  1213.  1202.   216.  1149.    465.10.0   0  32   35.
  1
NB        PP ap     AG  1253.   522.  1227.  1042.    165.10.0   0  32   25.
  1
NB        PP ap     AG  1227.  1042.  1221.  1196.    165.10.2   0  44   25.
  2
NB        PP        AG  1223.  1159.  1227.  1052.      0.  24   2
       110        73       2.0  165   56.4 1399 1 3
  1
NB        PP dep    AG  1221.  1196.  1204.  1564.    280.10.2   0  32   25.
  1
NB        PP dep    AG  1204.  1564.  1183.  1927.    280.10.2   0  32   25.
  1
NB        PP dep    AG  1183.  1927.  1171.  2195.    280.10.2   0  32   25.
  1
SB        PP ap     AG  1155.  2196.  1171.  1926.    505.10.2   0  32   25.
  1
SB        PP ap     AG  1171.  1926.  1189.  1552.    505.10.2   0  32   25.
  1
SB        PP ap     AG  1189.  1552.  1202.  1195.    505.10.2   0  44   25.
  2
SB        PP        AG  1201.  1237.  1193.  1431.      0.  24   2
       110        73       2.0  505   56.4 1423 1 3
  1
SB        PP dep    AG  1202.  1195.  1241.   529.    195.10.2   0  32   25.
1.0   04  1000   0Y  5  0 72
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JOB: S9 Eastern & Patterson EXPM RUN: Site 9 Existing PM
DATE: 09/07/2012 TIME: 12:16:47.99

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	* LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	East	*	216.0	1138.0	1017.0	1179.0	* 802.	87.	AG	640.	10.0	.0	32.0		
2. EB	East	*	1017.0	1179.0	1215.0	1189.0	* 198.	87.	AG	640.	10.0	.0	32.0		
3. EB	East	*	1172.0	1187.0	1042.7	1179.9	* 129.	267.	AG	51.	100.0	.0	12.0	.69	6.6
4. EB	East dep	*	1215.0	1189.0	2213.0	1238.0	* 999.	87.	AG	890.	10.0	.0	32.0		
5. WB	East	*	2212.0	1252.0	1563.0	1220.0	* 650.	267.	AG	520.	10.0	.0	32.0		
6. WB	East	*	1563.0	1220.0	1213.0	1202.0	* 350.	267.	AG	520.	10.0	.0	32.0		
7. WB	East	*	1255.0	1204.0	1360.1	1209.3	* 105.	87.	AG	51.	100.0	.0	12.0	.55	5.3
8. WB	East dep	*	1213.0	1202.0	216.0	1149.0	* 998.	267.	AG	465.	10.0	.0	32.0		
9. NB	PP ap	*	1253.0	522.0	1227.0	1042.0	* 521.	357.	AG	165.	10.0	.0	32.0		
10. NB	PP ap	*	1227.0	1042.0	1221.0	1196.0	* 154.	358.	AG	165.	10.2	.0	44.0		
11. NB	PP	*	1223.0	1159.0	1224.2	1126.3	* 33.	178.	AG	201.	100.0	.0	24.0	.20	1.7
12. NB	PP dep	*	1221.0	1196.0	1204.0	1564.0	* 368.	357.	AG	280.	10.2	.0	32.0		
13. NB	PP dep	*	1204.0	1564.0	1183.0	1927.0	* 364.	357.	AG	280.	10.2	.0	32.0		
14. NB	PP dep	*	1183.0	1927.0	1171.0	2195.0	* 268.	357.	AG	280.	10.2	.0	32.0		
15. SB	PP ap	*	1155.0	2196.0	1171.0	1926.0	* 270.	177.	AG	505.	10.2	.0	32.0		
16. SB	PP ap	*	1171.0	1926.0	1189.0	1552.0	* 374.	177.	AG	505.	10.2	.0	32.0		
17. SB	PP ap	*	1189.0	1552.0	1202.0	1195.0	* 357.	178.	AG	505.	10.2	.0	44.0		
18. SB	PP	*	1201.0	1237.0	1196.9	1337.5	* 101.	358.	AG	201.	100.0	.0	24.0	.59	5.1
19. SB	PP dep	*	1202.0	1195.0	1241.0	529.0	* 667.	177.	AG	195.	10.2	.0	32.0		

JOB: S9 Eastern & Patterson EXPM RUN: Site 9 Existing PM
DATE: 09/07/2012 TIME: 12:16:47.99

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. EB	East	*	110	37	2.0	640	1485	56.40	1	3
7. WB	East	*	110	37	2.0	520	1504	56.40	1	3
11. NB	PP	*	110	73	2.0	165	1399	56.40	1	3
18. SB	PP	*	110	73	2.0	505	1423	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1259.0	865.0	5.0	*
2. SE 164 S	*	1251.0	1003.0	5.0	*
3. SE 82 S	*	1247.0	1084.0	5.0	*
4. SE CNR	*	1244.0	1165.0	5.0	*
5. SE 82 E	*	1325.0	1170.0	5.0	*
6. SE 164 E	*	1406.0	1175.0	5.0	*
7. SE MID E	*	1567.0	1182.0	5.0	*
8. NE MID E	*	1559.0	1244.0	5.0	*
9. NE 164 E	*	1406.0	1237.0	5.0	*
10. NE 82 E	*	1324.0	1232.0	5.0	*
11. NE CNR	*	1245.0	1233.0	5.0	*
12. NE 82 N	*	1240.0	1308.0	5.0	*
13. NE 164 N	*	1236.0	1391.0	5.0	*
14. NE MID N	*	1232.0	1529.0	5.0	*
15. NW MID N	*	1168.0	1532.0	5.0	*
16. NW 164 N	*	1174.0	1388.0	5.0	*
17. NW 82 N	*	1177.0	1307.0	5.0	*
18. NW CNR	*	1179.0	1225.0	5.0	*
19. NW 82 W	*	1098.0	1220.0	5.0	*
20. NW 164 W	*	1016.0	1216.0	5.0	*
21. NW MID W	*	818.0	1206.0	5.0	*
22. SW MID W	*	819.0	1143.0	5.0	*
23. SW 164 W	*	1018.0	1154.0	5.0	*
24. SW 82 W	*	1101.0	1159.0	5.0	*
25. SW CNR	*	1178.0	1160.0	5.0	*
26. SW 82 S	*	1186.0	1082.0	5.0	*
27. SW 164 S	*	1190.0	1000.0	5.0	*
28. SW MID S	*	1198.0	862.0	5.0	*

JOB: S9 Eastern & Patterson EXPM RUN: Site 9 Existing PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first

angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.2	.4	.7	.5	.4	.4	.0	.0	.0	.2	.2	.1	.2	.4	.3	.3	.5	.0	.0
5.	.0	.1	.4	.7	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.5	.8	.0	.0
10.	.0	.1	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.4	.6	.9	.0	.0
15.	.0	.1	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.6	1.0	.0	.0
20.	.1	.1	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	1.0	.1	.0
25.	.1	.1	.2	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.6	.9	.1	.0
30.	.1	.1	.2	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.9	.2	.0
35.	.1	.1	.2	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.8	.2	.0
40.	.1	.1	.2	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.8	.2	.0
45.	.1	.1	.2	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.8	.3	.0
50.	.1	.1	.2	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.7	.3	.1
55.	.1	.1	.2	.5	.5	.5	.6	.0	.0	.0	.0	.0	.0	.0	.2	.3	.9	.7	.3	.1
60.	.0	.1	.2	.6	.5	.5	.6	.0	.0	.0	.0	.0	.0	.0	.3	.3	.9	.6	.3	.1
65.	.0	.1	.1	.6	.5	.5	.6	.0	.0	.0	.0	.0	.0	.0	.2	.3	.9	.6	.3	.1
70.	.0	.1	.1	.6	.5	.6	.6	.0	.0	.0	.0	.0	.0	.0	.3	.3	.9	.5	.3	.1
75.	.0	.1	.1	.5	.5	.6	.6	.2	.1	.2	.1	.0	.0	.0	.3	.3	.9	.7	.3	.2
80.	.0	.0	.1	.5	.6	.6	.5	.2	.3	.2	.2	.0	.0	.0	.3	.3	.9	.6	.4	.3
85.	.0	.0	.1	.4	.5	.5	.4	.4	.4	.4	.3	.0	.0	.0	.3	.3	.9	.7	.5	.4
90.	.0	.0	.0	.4	.4	.4	.4	.4	.4	.4	.3	.1	.0	.0	.3	.3	1.0	.6	.6	.3
95.	.0	.0	.0	.2	.2	.2	.3	.4	.4	.6	.5	.1	.0	.0	.3	.3	1.0	.8	.5	.3
100.	.0	.0	.0	.1	.1	.1	.1	.5	.6	.5	.6	.1	.1	.0	.3	.4	1.0	.8	.5	.5
105.	.0	.0	.0	.1	.1	.1	.1	.5	.6	.5	.6	.1	.1	.0	.3	.4	1.0	.9	.5	.6
110.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.6	.2	.1	.0	.3	.4	1.1	.7	.4	.6
115.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.5	.2	.1	.0	.3	.4	1.1	.6	.6	.5
120.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.6	.5	.2	.1	.1	.4	.4	1.1	.6	.6	.5
125.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.6	.5	.2	.1	.1	.4	.4	1.1	.7	.6	.5
130.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.5	.2	.1	.1	.4	.5	1.2	.6	.5	.5
135.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.5	.2	.1	.1	.4	.5	1.2	.5	.5	.5
140.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.5	.2	.1	.1	.4	.5	1.2	.5	.5	.5
145.	.0	.0	.0	.0	.0	.0	.0	.3	.4	.5	.4	.2	.1	.1	.3	.6	1.1	.5	.4	.3
150.	.0	.0	.0	.0	.0	.0	.0	.3	.4	.5	.4	.2	.1	.0	.3	.6	1.0	.5	.4	.2
155.	.0	.0	.0	.0	.0	.0	.0	.3	.4	.5	.4	.2	.1	.0	.4	.7	1.0	.5	.4	.2
160.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.3	.2	.1	.0	.5	.8	.8	.5	.4	.2
165.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.3	.2	.1	.0	.5	.6	.6	.5	.4	.2
170.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.3	.2	.1	.0	.5	.5	.5	.5	.4	.3
175.	.0	.1	.0	.1	.0	.0	.0	.4	.4	.5	.4	.2	.3	.3	.4	.5	.6	.5	.4	.3
180.	.1	.1	.0	.2	.0	.0	.0	.4	.4	.5	.4	.3	.3	.3	.3	.4	.5	.5	.4	.3
185.	.1	.2	.2	.4	.0	.0	.0	.3	.4	.5	.4	.2	.4	.3	.3	.4	.4	.4	.4	.3
190.	.2	.2	.2	.4	.0	.0	.0	.3	.4	.5	.5	.4	.4	.3	.1	.2	.4	.3	.4	.2
195.	.2	.2	.1	.5	.0	.0	.0	.3	.4	.5	.5	.3	.5	.4	.1	.2	.3	.3	.4	.2
200.	.2	.2	.1	.5	.0	.0	.0	.3	.4	.5	.4	.5	.5	.4	.1	.1	.3	.4	.4	.2
205.	.2	.2	.1	.6	.0	.0	.0	.4	.4	.5	.3	.5	.5	.3	.0	.0	.2	.4	.4	.2

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.2	.2	.2	.6	.0	.0	.0	.4	.4	.5	.5	.6	.5	.3	.0	.0	.2	.4	.4	.3
215.	.2	.2	.2	.7	.0	.0	.0	.4	.4	.5	.5	.7	.4	.3	.0	.0	.2	.5	.5	.4
220.	.2	.2	.2	.7	.0	.0	.0	.4	.4	.6	.6	.7	.4	.2	.0	.0	.2	.5	.5	.4
225.	.2	.2	.2	.7	.0	.0	.0	.4	.4	.6	.6	.8	.3	.2	.0	.0	.2	.5	.5	.4
230.	.1	.1	.1	.6	.0	.0	.0	.4	.4	.6	.6	.8	.3	.2	.0	.0	.1	.5	.4	.4
235.	.1	.1	.1	.6	.0	.0	.0	.5	.4	.6	.5	.8	.3	.2	.0	.1	.2	.5	.4	.4
240.	.1	.1	.1	.5	.1	.0	.0	.5	.5	.6	.5	.7	.2	.2	.0	.1	.2	.5	.4	.4
245.	.1	.1	.1	.5	.1	.0	.0	.5	.5	.6	.4	.8	.3	.2	.0	.1	.2	.6	.4	.4
250.	.1	.1	.1	.4	.1	.1	.1	.4	.5	.6	.6	.8	.2	.2	.0	.0	.2	.5	.4	.4
255.	.1	.1	.1	.5	.2	.1	.1	.4	.6	.5	.7	.8	.2	.2	.0	.0	.2	.5	.4	.4
260.	.1	.1	.1	.6	.4	.1	.2	.4	.5	.5	.7	.8	.2	.2	.0	.0	.1	.4	.3	.4
265.	.1	.1	.1	.6	.5	.3	.3	.4	.4	.6	.6	.6	.2	.2	.0	.0	.0	.4	.3	.4
270.	.1	.1	.1	.5	.6	.4	.4	.2	.4	.5	.6	.6	.2	.2	.0	.0	.0	.2	.2	.2
275.	.1	.1	.2	.7	.6	.5	.4	.2	.2	.3	.5	.6	.2	.2	.0	.0	.0	.2	.2	.2
280.	.1	.1	.3	.8	.6	.6	.5	.1	.1	.2	.5	.6	.2	.2	.0	.0	.0	.1	.1	.1
285.	.1	.2	.3	.6	.6	.7	.5	.0	.1	.2	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0
290.	.1	.2	.3	.5	.7	.7	.6	.0	.1	.3	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0
295.	.1	.1	.3	.5	.7	.7	.6	.0	.1	.3	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0
300.	.1	.1	.3	.5	.7	.6	.4	.0	.1	.2	.6	.5	.2	.3	.0	.0	.0	.0	.0	.0
305.	.2	.1	.3	.6	.7	.5	.4	.0	.0	.2	.6	.4	.2	.3	.0	.0	.0	.0	.0	.0
310.	.2	.2	.5	.6	.7	.5	.4	.0	.0	.2	.6	.4	.2	.2	.0	.0	.0	.0	.0	.0
315.	.2	.1	.5	.7	.7	.4	.4	.0	.0	.2	.6	.3	.2	.2	.0	.0	.0	.0	.0	.0
320.	.2	.1	.4	.7	.7	.4	.4	.0	.0	.2	.6	.3	.2	.2	.0	.0	.0	.0	.0	.0
325.	.2	.1	.4	.7	.7	.4	.4	.0	.0	.1	.6	.4	.2	.3	.0	.0	.0	.0	.0	.0
330.	.2	.1	.5	.7	.7	.4	.4	.0	.0	.1	.6	.3	.2	.2	.0	.0	.0	.0	.0	.0
335.	.2	.1	.6	.7	.6	.4	.4	.0	.0	.0	.5	.2	.2	.2	.0	.1	.1	.1	.0	.0
340.	.2	.2	.5	.7	.5	.4	.4	.0	.0	.0	.4	.2	.2	.2	.0	.1	.1	.2	.0	.0
345.	.1	.2	.6	.8	.5	.4	.4	.0	.0	.0	.4	.2	.3	.2	.1	.1	.1	.2	.0	.0
350.	.1	.3	.6	.8	.5	.4	.5	.0	.0	.0	.3	.2	.3	.2	.1	.1	.2	.4	.0	.0
355.	.0	.3	.5	.7	.5	.4	.5	.0	.0	.0	.3	.2	.3	.2	.1	.3	.2	.4	.0	.0
360.	.0	.2	.4	.7	.5	.4	.4	.0	.0	.0	.2	.2	.1	.2	.4	.3	.3	.5	.0	.0
MAX	.2	.3	.6	.8	.7	.7	.6	.5	.6	.6	.7	.8	.5	.4	.5	.8	1.2	1.0	.6	.6
DEGR.	190	350	335	280	290	285	55	100	100	95	255	225	195	195	160	160	130	15	90	105

JOB: S9 Eastern & Patterson EXPM RUN: Site 9 Existing PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.3	.3	.4	.6	.3	.3	.1
5.	.0	.3	.3	.4	.8	.5	.4	.1
10.	.0	.3	.3	.4	.8	.4	.3	.1
15.	.0	.3	.3	.6	.8	.5	.3	.1
20.	.0	.3	.3	.6	.7	.4	.3	.1
25.	.0	.3	.3	.6	.7	.4	.2	.1
30.	.0	.3	.3	.6	.6	.5	.2	.2
35.	.0	.3	.3	.6	.7	.5	.2	.2
40.	.0	.3	.5	.6	.7	.5	.2	.2
45.	.0	.3	.5	.6	.5	.4	.2	.2
50.	.0	.3	.5	.6	.3	.4	.2	.2
55.	.0	.3	.5	.6	.5	.4	.2	.2
60.	.0	.3	.5	.7	.5	.4	.2	.2
65.	.0	.3	.5	.6	.5	.2	.2	.1
70.	.0	.3	.6	.6	.6	.2	.2	.1
75.	.1	.4	.5	.7	.7	.2	.2	.1
80.	.1	.4	.5	.5	.6	.2	.1	.1
85.	.3	.3	.5	.5	.6	.2	.1	.1
90.	.3	.3	.2	.5	.6	.1	.1	.1
95.	.4	.1	.2	.3	.5	.1	.1	.1
100.	.4	.0	.2	.2	.4	.1	.1	.1
105.	.4	.0	.0	.1	.5	.1	.1	.1
110.	.4	.0	.0	.1	.4	.1	.1	.1
115.	.4	.0	.0	.0	.4	.1	.1	.1
120.	.4	.0	.0	.0	.3	.1	.1	.1
125.	.4	.0	.0	.0	.3	.1	.1	.1
130.	.4	.0	.0	.0	.3	.1	.1	.1
135.	.4	.0	.0	.0	.2	.1	.1	.1
140.	.4	.0	.0	.0	.2	.1	.1	.1
145.	.3	.0	.0	.0	.2	.1	.1	.1
150.	.3	.0	.0	.0	.1	.1	.1	.1
155.	.3	.0	.0	.0	.1	.1	.1	.1
160.	.3	.0	.0	.0	.1	.1	.1	.1
165.	.3	.0	.0	.0	.1	.1	.1	.1
170.	.3	.0	.0	.0	.1	.1	.1	.1
175.	.3	.0	.0	.0	.1	.1	.1	.1
180.	.3	.0	.0	.0	.0	.1	.1	.0
185.	.3	.0	.0	.0	.0	.0	.0	.0
190.	.3	.0	.0	.0	.0	.0	.0	.0
195.	.3	.0	.0	.0	.0	.0	.0	.0
200.	.3	.0	.0	.0	.0	.0	.0	.0
205.	.3	.0	.0	.0	.0	.0	.0	.0

1

JOB: S9 Eastern & Patterson EXPM RUN: Site 9 Existing PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.3	.0	.0	.0	.0	.0	.0	.0
215.	.4	.0	.0	.0	.0	.0	.0	.0
220.	.4	.0	.0	.0	.0	.0	.0	.0
225.	.4	.0	.0	.0	.0	.0	.0	.0
230.	.4	.0	.0	.0	.0	.0	.0	.0
235.	.4	.0	.0	.0	.0	.0	.0	.0
240.	.4	.0	.0	.0	.0	.0	.0	.0
245.	.4	.0	.0	.0	.0	.0	.0	.0
250.	.4	.0	.1	.0	.0	.0	.0	.0
255.	.4	.1	.1	.1	.0	.0	.0	.0
260.	.4	.2	.2	.2	.3	.0	.0	.0
265.	.3	.3	.3	.3	.3	.0	.0	.0
270.	.2	.3	.3	.4	.4	.1	.0	.0
275.	.2	.4	.4	.4	.5	.1	.0	.0
280.	.1	.4	.4	.4	.5	.2	.0	.0
285.	.0	.4	.4	.6	.5	.2	.1	.0
290.	.0	.4	.4	.5	.4	.2	.1	.0
295.	.0	.4	.4	.5	.4	.2	.1	.0
300.	.0	.3	.3	.4	.4	.1	.1	.0
305.	.0	.3	.3	.4	.4	.2	.0	.0
310.	.0	.3	.3	.4	.4	.2	.0	.0
315.	.0	.3	.3	.4	.4	.2	.0	.0
320.	.0	.3	.3	.4	.4	.2	.0	.0
325.	.0	.3	.3	.4	.4	.2	.0	.0
330.	.0	.3	.3	.4	.4	.2	.0	.0
335.	.0	.3	.3	.4	.4	.2	.0	.0

340.	*	.0	.3	.3	.4	.4	.2	.0	.0
345.	*	.0	.3	.3	.4	.6	.2	.0	.0
350.	*	.0	.3	.3	.4	.5	.3	.0	.0
355.	*	.0	.3	.3	.4	.6	.3	.1	.1
360.	*	.0	.3	.3	.4	.6	.3	.3	.1
MAX	*	.4	.4	.6	.7	.8	.5	.4	.2
DEGR.	*	95	75	70	60	5	5	5	30

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 130 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS 1.00 PPM AT 15 DEGREES FROM REC18.
THE 3RD HIGHEST CONCENTRATION IS .80 PPM AT 280 DEGREES FROM REC4 .

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S9 Eastern & Patterson NBAM21           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1259.      865.       5.0
SE 164 S                 1251.     1003.       5.0
SE 82 S                  1247.     1084.       5.0
SE CNR                   1244.     1165.       5.0
SE 82 E                  1325.     1170.       5.0
SE 164 E                 1406.     1175.       5.0
SE MID E                 1567.     1182.       5.0
NE MID E                 1559.     1244.       5.0
NE 164 E                 1406.     1237.       5.0
NE 82 E                  1324.     1232.       5.0
NE CNR                   1245.     1233.       5.0
NE 82 N                  1240.     1308.       5.0
NE 164 N                 1236.     1391.       5.0
NE MID N                 1232.     1529.       5.0
NW MID N                 1168.     1532.       5.0
NW 164 N                 1174.     1388.       5.0
NW 82 N                  1177.     1307.       5.0
NW CNR                   1179.     1225.       5.0
NW 82 W                  1098.     1220.       5.0
NW 164 W                 1016.     1216.       5.0
NW MID W                  818.     1206.       5.0
SW MID W                  819.     1143.       5.0
SW 164 W                 1018.     1154.       5.0
SW 82 W                  1101.     1159.       5.0
SW CNR                   1178.     1160.       5.0
SW 82 S                  1186.     1082.       5.0
SW 164 S                 1190.     1000.       5.0
SW MID S                 1198.      862.       5.0
Site 9 No Build AM 2021                 19  1   0
  1
EB        East      AG   216.  1138.  1017.  1179.    285. 8.1   0  32   35.
  1
EB        East      AG  1017.  1179.  1215.  1189.    285. 8.1   0  32   35.
  2
EB        East      AG  1172.  1187.  1026.  1179.      0.  12   1
       110        41       2.0  285   43.6 1342 1 3
  1
EB        East dep  AG  1215.  1189.  2213.  1238.    455. 8.1   0  32   35.
  1
WB        East      AG  2212.  1252.  1563.  1220.    835. 8.1   0  32   35.
  1
WB        East      AG  1563.  1220.  1213.  1202.    835. 8.1   0  32   35.
  2
WB        East      AG  1255.  1204.  1532.  1218.      0.  12   1
       110        41       2.0  835   43.6 1342 1 3
  1
WB        East dep  AG  1213.  1202.   216.  1149.    595. 8.1   0  32   35.
  1
NB        PP ap     AG  1253.   522.  1227.  1042.    240. 8.2   0  32   25.
  1
NB        PP ap     AG  1227.  1042.  1221.  1196.    240. 8.2   0  44   25.
  2
NB        PP        AG  1223.  1159.  1227.  1052.      0.  24   2
       110        77       2.0  240   43.6 1323 1 3
  1
NB        PP dep    AG  1221.  1196.  1204.  1564.    505. 8.2   0  32   25.
  1
NB        PP dep    AG  1204.  1564.  1183.  1927.    505. 8.2   0  32   25.
  1
NB        PP dep    AG  1183.  1927.  1171.  2195.    505. 8.2   0  32   25.
  1
SB        PP ap     AG  1155.  2196.  1171.  1926.    300. 8.2   0  32   25.
  1
SB        PP ap     AG  1171.  1926.  1189.  1552.    300. 8.2   0  32   25.
  1
SB        PP ap     AG  1189.  1552.  1202.  1195.    300. 8.2   0  44   25.
  2
SB        PP        AG  1201.  1237.  1193.  1431.      0.  24   2
       110        77       2.0  300   43.6 1138 1 3
  1
SB        PP dep    AG  1202.  1195.  1241.   529.    105. 8.2   0  32   25.
1.0   04  1000   0Y  5  0 72
```

JOB: S9 Eastern & Patterson NBAM21 RUN: Site 9 No Build AM 2021
DATE: 09/07/2012 TIME: 12:17:00.89

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	East	*	216.0	1138.0	1017.0	1179.0	*	802.	87.	AG	285.	8.1	.0	32.0		
2. EB	East	*	1017.0	1179.0	1215.0	1189.0	*	198.	87.	AG	285.	8.1	.0	32.0		
3. EB	East	*	1172.0	1187.0	1108.2	1183.5	*	64.	267.	AG	44.	100.0	.0	12.0	.36	3.2
4. EB	East dep	*	1215.0	1189.0	2213.0	1238.0	*	999.	87.	AG	455.	8.1	.0	32.0		
5. WB	East	*	2212.0	1252.0	1563.0	1220.0	*	650.	267.	AG	835.	8.1	.0	32.0		
6. WB	East	*	1563.0	1220.0	1213.0	1202.0	*	350.	267.	AG	835.	8.1	.0	32.0		
7. WB	East	*	1255.0	1204.0	2009.3	1242.1	*	755.	87.	AG	44.	100.0	.0	12.0	1.05	38.4
8. WB	East dep	*	1213.0	1202.0	216.0	1149.0	*	998.	267.	AG	595.	8.1	.0	32.0		
9. NB	PP ap	*	1253.0	522.0	1227.0	1042.0	*	521.	357.	AG	240.	8.2	.0	32.0		
10. NB	PP ap	*	1227.0	1042.0	1221.0	1196.0	*	154.	358.	AG	240.	8.2	.0	44.0		
11. NB	PP	*	1223.0	1159.0	1224.9	1108.5	*	51.	178.	AG	164.	100.0	.0	24.0	.34	2.6
12. NB	PP dep	*	1221.0	1196.0	1204.0	1564.0	*	368.	357.	AG	505.	8.2	.0	32.0		
13. NB	PP dep	*	1204.0	1564.0	1183.0	1927.0	*	364.	357.	AG	505.	8.2	.0	32.0		
14. NB	PP dep	*	1183.0	1927.0	1171.0	2195.0	*	268.	357.	AG	505.	8.2	.0	32.0		
15. SB	PP ap	*	1155.0	2196.0	1171.0	1926.0	*	270.	177.	AG	300.	8.2	.0	32.0		
16. SB	PP ap	*	1171.0	1926.0	1189.0	1552.0	*	374.	177.	AG	300.	8.2	.0	32.0		
17. SB	PP ap	*	1189.0	1552.0	1202.0	1195.0	*	357.	178.	AG	300.	8.2	.0	44.0		
18. SB	PP	*	1201.0	1237.0	1198.4	1300.1	*	63.	358.	AG	164.	100.0	.0	24.0	.50	3.2
19. SB	PP dep	*	1202.0	1195.0	1241.0	529.0	*	667.	177.	AG	105.	8.2	.0	32.0		

JOB: S9 Eastern & Patterson NBAM21 RUN: Site 9 No Build AM 2021
DATE: 09/07/2012 TIME: 12:17:00.89

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. EB	East	*	110	41	2.0	285	1342	43.60	1	3
7. WB	East	*	110	41	2.0	835	1342	43.60	1	3
11. NB	PP	*	110	77	2.0	240	1323	43.60	1	3
18. SB	PP	*	110	77	2.0	300	1138	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1259.0	865.0	5.0	*
2. SE 164 S	*	1251.0	1003.0	5.0	*
3. SE 82 S	*	1247.0	1084.0	5.0	*
4. SE CNR	*	1244.0	1165.0	5.0	*
5. SE 82 E	*	1325.0	1170.0	5.0	*
6. SE 164 E	*	1406.0	1175.0	5.0	*
7. SE MID E	*	1567.0	1182.0	5.0	*
8. NE MID E	*	1559.0	1244.0	5.0	*
9. NE 164 E	*	1406.0	1237.0	5.0	*
10. NE 82 E	*	1324.0	1232.0	5.0	*
11. NE CNR	*	1245.0	1233.0	5.0	*
12. NE 82 N	*	1240.0	1308.0	5.0	*
13. NE 164 N	*	1236.0	1391.0	5.0	*
14. NE MID N	*	1232.0	1529.0	5.0	*
15. NW MID N	*	1168.0	1532.0	5.0	*
16. NW 164 N	*	1174.0	1388.0	5.0	*
17. NW 82 N	*	1177.0	1307.0	5.0	*
18. NW CNR	*	1179.0	1225.0	5.0	*
19. NW 82 W	*	1098.0	1220.0	5.0	*
20. NW 164 W	*	1016.0	1216.0	5.0	*
21. NW MID W	*	818.0	1206.0	5.0	*
22. SW MID W	*	819.0	1143.0	5.0	*
23. SW 164 W	*	1018.0	1154.0	5.0	*
24. SW 82 W	*	1101.0	1159.0	5.0	*
25. SW CNR	*	1178.0	1160.0	5.0	*
26. SW 82 S	*	1186.0	1082.0	5.0	*
27. SW 164 S	*	1190.0	1000.0	5.0	*
28. SW MID S	*	1198.0	862.0	5.0	*

JOB: S9 Eastern & Patterson NBAM21 RUN: Site 9 No Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first

angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.1	.4	.5	.4	.4	.4	.0	.0	.0	.1	.1	.1	.1	.2	.1	.2	.4	.0	.0
5.	.0	.1	.2	.4	.4	.4	.3	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.4	.0	.0
10.	.0	.0	.2	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.5	.0	.0
15.	.0	.1	.1	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.6	.0	.0
20.	.0	.1	.1	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.6	.0	.0
25.	.0	.1	.1	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.6	.0	.0
30.	.0	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.6	.0	.0
35.	.0	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.6	.0	.0
40.	.0	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.6	.0	.0
45.	.0	.0	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2	.6	.1	.0
50.	.0	.0	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.5	.1	.0
55.	.0	.0	.2	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.5	.1	.0
60.	.0	.0	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.5	.1	.0
65.	.0	.0	.2	.5	.5	.6	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.4	.1	.0
70.	.0	.0	.1	.5	.5	.5	.5	.1	.0	.0	.0	.0	.0	.0	.2	.2	.2	.4	.1	.1
75.	.0	.0	.0	.5	.5	.5	.5	.1	.0	.1	.1	.0	.0	.0	.2	.2	.2	.4	.1	.1
80.	.0	.0	.0	.5	.5	.5	.5	.2	.3	.3	.2	.0	.0	.0	.2	.2	.2	.6	.2	.2
85.	.0	.0	.0	.4	.4	.4	.3	.4	.4	.4	.3	.0	.0	.0	.2	.2	.3	.7	.4	.2
90.	.0	.0	.0	.3	.4	.3	.2	.4	.4	.5	.5	.0	.0	.0	.2	.2	.3	.6	.5	.3
95.	.0	.0	.0	.2	.1	.2	.2	.5	.5	.5	.5	.0	.0	.0	.2	.2	.3	.6	.4	.4
100.	.0	.0	.0	.1	.1	.1	.1	.5	.5	.6	.4	.1	.0	.0	.2	.2	.4	.6	.3	.3
105.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.4	.1	.0	.0	.2	.2	.5	.7	.4	.3
110.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.5	.4	.2	.0	.0	.2	.2	.7	.7	.3	.3
115.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.4	.2	.0	.0	.2	.2	.7	.6	.4	.3
120.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.5	.4	.1	.0	.0	.2	.2	.6	.5	.5	.3
125.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.4	.1	.0	.0	.2	.3	.7	.5	.5	.3
130.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.1	.1	.0	.2	.3	.7	.5	.5	.3
135.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.1	.1	.0	.2	.3	.7	.4	.5	.3
140.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.1	.1	.0	.2	.3	.8	.3	.4	.3
145.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.1	.1	.0	.2	.4	.8	.3	.4	.3
150.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.1	.1	.0	.2	.4	.7	.3	.3	.2
155.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.4	.1	.1	.0	.2	.3	.7	.3	.2	.1
160.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.3	.1	.1	.0	.2	.3	.7	.2	.2	.1
165.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.3	.1	.1	.0	.2	.3	.6	.3	.2	.1
170.	.0	.0	.0	.1	.0	.0	.0	.4	.4	.4	.4	.1	.1	.1	.2	.3	.5	.3	.2	.1
175.	.1	.1	.1	.2	.0	.0	.0	.4	.4	.4	.4	.2	.1	.1	.2	.2	.3	.3	.2	.1
180.	.1	.1	.1	.3	.0	.0	.0	.4	.4	.4	.4	.3	.2	.1	.2	.2	.3	.2	.2	.1
185.	.1	.1	.1	.3	.0	.0	.0	.5	.4	.4	.4	.3	.2	.2	.1	.2	.3	.2	.2	.1
190.	.1	.1	.1	.4	.0	.0	.0	.4	.4	.4	.5	.3	.4	.3	.1	.1	.2	.2	.2	.1
195.	.1	.1	.1	.4	.0	.0	.0	.4	.4	.4	.5	.2	.4	.3	.0	.0	.1	.2	.2	.1
200.	.1	.1	.1	.5	.0	.0	.0	.4	.4	.4	.5	.2	.4	.3	.0	.0	.1	.2	.2	.1
205.	.1	.1	.1	.5	.0	.0	.0	.4	.4	.4	.5	.4	.4	.3	.0	.0	.1	.3	.3	.2

1

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.1	.1	.1	.5	.0	.0	.0	.4	.4	.4	.5	.5	.4	.3	.0	.0	.1	.4	.3	.3
215.	.1	.1	.1	.5	.0	.0	.0	.4	.4	.5	.3	.5	.4	.2	.0	.0	.1	.4	.3	.3
220.	.1	.1	.1	.5	.0	.0	.0	.4	.4	.5	.3	.6	.2	.2	.0	.0	.1	.4	.3	.3
225.	.1	.1	.1	.5	.0	.0	.0	.4	.4	.5	.3	.6	.2	.2	.0	.0	.1	.4	.3	.3
230.	.1	.1	.1	.5	.1	.0	.0	.5	.4	.5	.3	.6	.2	.2	.0	.0	.1	.4	.3	.3
235.	.1	.1	.1	.5	.1	.0	.0	.5	.5	.5	.3	.6	.2	.2	.0	.0	.1	.4	.2	.3
240.	.1	.1	.1	.5	.1	.0	.0	.5	.5	.5	.4	.6	.2	.2	.0	.0	.1	.3	.2	.3
245.	.1	.1	.1	.4	.1	.0	.0	.5	.5	.5	.4	.5	.2	.2	.0	.0	.1	.3	.2	.3
250.	.1	.1	.1	.4	.1	.0	.0	.5	.5	.5	.4	.5	.2	.2	.0	.0	.1	.2	.2	.3
255.	.1	.1	.1	.3	.1	.0	.0	.5	.5	.3	.4	.5	.2	.2	.0	.0	.1	.2	.3	.3
260.	.1	.1	.1	.4	.2	.1	.2	.5	.5	.3	.5	.5	.2	.2	.0	.0	.1	.2	.3	.3
265.	.1	.1	.1	.3	.2	.3	.2	.4	.4	.3	.4	.3	.2	.2	.0	.0	.0	.2	.2	.3
270.	.1	.1	.1	.4	.3	.3	.3	.3	.2	.3	.4	.3	.2	.2	.0	.0	.0	.1	.1	.1
275.	.1	.1	.1	.4	.3	.3	.4	.1	.1	.3	.5	.3	.2	.2	.0	.0	.0	.1	.1	.1
280.	.1	.1	.2	.3	.3	.4	.5	.1	.2	.1	.5	.2	.2	.2	.0	.0	.0	.1	.1	.1
285.	.1	.1	.2	.3	.3	.4	.5	.0	.0	.1	.4	.2	.2	.1	.0	.0	.0	.0	.0	.0
290.	.1	.1	.2	.3	.3	.4	.5	.0	.0	.2	.4	.2	.2	.1	.0	.0	.0	.0	.0	.0
295.	.1	.1	.3	.3	.4	.4	.5	.0	.0	.2	.5	.2	.2	.1	.0	.0	.0	.0	.0	.0
300.	.1	.1	.3	.4	.5	.4	.4	.0	.0	.2	.5	.2	.2	.1	.0	.0	.0	.0	.0	.0
305.	.1	.1	.3	.3	.5	.4	.4	.0	.0	.2	.5	.2	.2	.1	.0	.0	.0	.0	.0	.0
310.	.1	.1	.4	.4	.6	.4	.4	.0	.0	.1	.5	.2	.2	.1	.0	.0	.0	.0	.0	.0
315.	.1	.1	.4	.6	.6	.4	.4	.0	.0	.1	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0
320.	.1	.1	.4	.7	.6	.4	.4	.0	.0	.1	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0
325.	.1	.1	.4	.5	.5	.4	.4	.0	.0	.1	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0
330.	.1	.0	.4	.5	.5	.4	.3	.0	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0
335.	.1	.1	.4	.5	.4	.4	.3	.0	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0
340.	.1	.1	.5	.5	.4	.4	.3	.0	.0	.0	.4	.3	.3	.2	.0	.0	.0	.0	.0	.0
345.	.1	.1	.6	.5	.4	.4	.4	.0	.0	.0	.4	.3	.1	.2	.0	.0	.1	.1	.0	.0
350.	.1	.1	.5	.6	.4	.4	.4	.0	.0	.0	.2	.1	.1	.2	.1	.1	.1	.2	.0	.0
355.	.1	.1	.6	.5	.4	.4	.4	.0	.0	.0	.1	.1	.1	.1	.2	.1	.1	.2	.0	.0
360.	.0	.1	.4	.5	.4	.4	.4	.0	.0	.0	.1	.1	.1	.1	.2	.1	.2	.4	.0	.0
MAX	.1	.1	.6	.7	.6	.6	.5	.5	.5	.6	.5	.6	.4	.3	.3	.4	.8	.7	.5	.4
DEGR.	175	0	345	320	310	65	60	95	95	100	90	220	190	190	45	145	140	85	90	95

1

JOB: S9 Eastern & Patterson NBAM21 RUN: Site 9 No Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.2	.1	.2	.5	.2	.1	.0
5.	.0	.2	.1	.2	.5	.3	.1	.0
10.	.0	.2	.1	.2	.5	.3	.1	.0
15.	.0	.2	.2	.2	.5	.3	.1	.0
20.	.0	.2	.2	.3	.5	.3	.1	.0
25.	.0	.2	.2	.4	.5	.3	.1	.1
30.	.0	.2	.2	.4	.5	.4	.2	.1
35.	.0	.2	.2	.4	.5	.4	.1	.1
40.	.0	.2	.2	.4	.4	.4	.1	.1
45.	.0	.2	.2	.4	.4	.4	.1	.1
50.	.0	.2	.2	.4	.2	.5	.0	.0
55.	.0	.2	.2	.4	.2	.5	.0	.0
60.	.0	.2	.2	.4	.3	.4	.0	.0
65.	.0	.2	.2	.4	.4	.4	.0	.0
70.	.0	.2	.2	.5	.4	.3	.0	.0
75.	.1	.2	.3	.4	.5	.1	.0	.0
80.	.1	.2	.3	.4	.4	.1	.0	.0
85.	.1	.2	.4	.3	.4	.1	.0	.0
90.	.2	.1	.1	.3	.3	.1	.0	.0
95.	.2	.0	.0	.3	.4	.0	.0	.0
100.	.2	.0	.0	.1	.2	.0	.0	.0
105.	.3	.0	.0	.1	.2	.0	.0	.0
110.	.3	.0	.0	.1	.3	.0	.0	.0
115.	.3	.0	.0	.1	.3	.0	.0	.0
120.	.3	.0	.0	.0	.3	.0	.0	.0
125.	.3	.0	.0	.0	.2	.0	.0	.0
130.	.3	.0	.0	.0	.2	.0	.1	.1
135.	.3	.0	.0	.0	.2	.0	.1	.1
140.	.3	.0	.0	.0	.2	.0	.1	.1
145.	.3	.0	.0	.0	.1	.0	.1	.1
150.	.2	.0	.0	.0	.1	.0	.1	.1
155.	.2	.0	.0	.0	.1	.0	.1	.1
160.	.2	.0	.0	.0	.0	.1	.1	.1
165.	.2	.0	.0	.0	.0	.1	.1	.0
170.	.2	.0	.0	.0	.0	.0	.0	.0
175.	.2	.0	.0	.0	.0	.0	.0	.0
180.	.2	.0	.0	.0	.0	.0	.0	.0
185.	.2	.0	.0	.0	.0	.0	.0	.0
190.	.2	.0	.0	.0	.0	.0	.0	.0
195.	.2	.0	.0	.0	.0	.0	.0	.0
200.	.2	.0	.0	.0	.0	.0	.0	.0
205.	.2	.0	.0	.0	.0	.0	.0	.0

1

JOB: S9 Eastern & Patterson NBAM21 RUN: Site 9 No Build AM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.3	.0	.0	.0	.0	.0	.0	.0
215.	.3	.0	.0	.0	.0	.0	.0	.0
220.	.3	.0	.0	.0	.0	.0	.0	.0
225.	.3	.0	.0	.0	.0	.0	.0	.0
230.	.3	.0	.0	.0	.0	.0	.0	.0
235.	.3	.0	.0	.0	.0	.0	.0	.0
240.	.3	.0	.0	.0	.0	.0	.0	.0
245.	.3	.0	.0	.0	.0	.0	.0	.0
250.	.3	.0	.0	.0	.0	.0	.0	.0
255.	.3	.0	.0	.0	.0	.0	.0	.0
260.	.3	.1	.2	.1	.1	.0	.0	.0
265.	.3	.2	.2	.1	.1	.0	.0	.0
270.	.1	.2	.2	.2	.1	.0	.0	.0
275.	.1	.2	.2	.2	.2	.0	.0	.0
280.	.1	.2	.3	.4	.2	.1	.0	.0
285.	.0	.2	.3	.3	.2	.1	.0	.0
290.	.0	.2	.3	.3	.3	.1	.0	.0
295.	.0	.2	.2	.2	.3	.1	.0	.0
300.	.0	.2	.2	.2	.3	.1	.0	.0
305.	.0	.2	.2	.2	.3	.1	.0	.0
310.	.0	.2	.2	.2	.3	.1	.0	.0
315.	.0	.2	.2	.2	.3	.1	.0	.0
320.	.0	.2	.2	.2	.3	.1	.0	.0
325.	.0	.2	.2	.2	.3	.1	.0	.0
330.	.0	.2	.2	.2	.3	.1	.0	.0
335.	.0	.2	.2	.2	.3	.1	.0	.0

```
340.  *    .0    .2    .2    .2    .3    .1    .0    .0
345.  *    .0    .2    .1    .2    .2    .1    .0    .0
350.  *    .0    .2    .1    .2    .3    .1    .0    .0
355.  *    .0    .2    .1    .2    .4    .1    .0    .0
360.  *    .0    .2    .1    .2    .5    .2    .1    .0
------*-----------------------------------------------
MAX   *    .3    .2    .4    .5    .5    .5    .2    .1
DEGR. *  105     0    85    70     0    50    30    25

THE HIGHEST CONCENTRATION IS     .80 PPM AT  140 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS     .70 PPM AT  320 DEGREES FROM REC4 .
THE 3RD HIGHEST CONCENTRATION IS     .70 PPM AT   85 DEGREES FROM REC18.
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S9 Eastern & Patterson NBAM35           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1259.      865.       5.0
SE 164 S                 1251.     1003.       5.0
SE 82 S                  1247.     1084.       5.0
SE CNR                   1244.     1165.       5.0
SE 82 E                  1325.     1170.       5.0
SE 164 E                 1406.     1175.       5.0
SE MID E                 1567.     1182.       5.0
NE MID E                 1559.     1244.       5.0
NE 164 E                 1406.     1237.       5.0
NE 82 E                  1324.     1232.       5.0
NE CNR                   1245.     1233.       5.0
NE 82 N                  1240.     1308.       5.0
NE 164 N                 1236.     1391.       5.0
NE MID N                 1232.     1529.       5.0
NW MID N                 1168.     1532.       5.0
NW 164 N                 1174.     1388.       5.0
NW 82 N                  1177.     1307.       5.0
NW CNR                   1179.     1225.       5.0
NW 82 W                  1098.     1220.       5.0
NW 164 W                 1016.     1216.       5.0
NW MID W                  818.     1206.       5.0
SW MID W                  819.     1143.       5.0
SW 164 W                 1018.     1154.       5.0
SW 82 W                  1101.     1159.       5.0
SW CNR                   1178.     1160.       5.0
SW 82 S                  1186.     1082.       5.0
SW 164 S                 1190.     1000.       5.0
SW MID S                 1198.      862.       5.0
Site 9 No Build AM 2035                 19  1   0
  1
EB        East      AG   216.  1138.  1017.  1179.    340. 7.9   0  32   35.
  1
EB        East      AG  1017.  1179.  1215.  1189.    340. 7.9   0  32   35.
  2
EB        East      AG  1172.  1187.  1026.  1179.      0.  12   1
       110        47       2.0  340   42.1 1011 1 3
  1
EB        East dep  AG  1215.  1189.  2213.  1238.    750. 7.9   0  32   35.
  1
WB        East      AG  2212.  1252.  1563.  1220.   1065. 7.9   0  32   35.
  1
WB        East      AG  1563.  1220.  1213.  1202.   1065. 7.9   0  32   35.
  2
WB        East      AG  1255.  1204.  1532.  1218.      0.  12   1
       110        47       2.0 1065   42.1 1110 1 3
  1
WB        East dep  AG  1213.  1202.   216.  1149.    665. 7.9   0  32   35.
  1
NB        PP ap     AG  1253.   522.  1227.  1042.    315. 7.9   0  32   25.
  1
NB        PP ap     AG  1227.  1042.  1221.  1196.    315. 7.9   0  44   25.
  2
NB        PP        AG  1223.  1159.  1227.  1052.      0.  24   2
       110        63       2.0  315   42.1 1316 1 3
  1
NB        PP dep    AG  1221.  1196.  1204.  1564.    840. 7.9   0  32   25.
  1
NB        PP dep    AG  1204.  1564.  1183.  1927.    840. 7.9   0  32   25.
  1
NB        PP dep    AG  1183.  1927.  1171.  2195.    840. 7.9   0  32   25.
  1
SB        PP ap     AG  1155.  2196.  1171.  1926.    745. 7.9   0  32   25.
  1
SB        PP ap     AG  1171.  1926.  1189.  1552.    745. 7.9   0  32   25.
  1
SB        PP ap     AG  1189.  1552.  1202.  1195.    745. 7.9   0  44   25.
  2
SB        PP        AG  1201.  1237.  1193.  1431.      0.  24   2
       110        63       2.0  745   42.1 1125 1 3
  1
SB        PP dep    AG  1202.  1195.  1241.   529.    210. 7.9   0  32   25.
1.0   04  1000   0Y  5  0 72
```

JOB: S9 Eastern & Patterson NBAM35 RUN: Site 9 No Build AM 2035
DATE: 09/07/2012 TIME: 12:17:59.66

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	East	*	216.0	1138.0	1017.0	1179.0	*	802.	87.	AG	340.	7.9	.0	32.0		
2. EB	East	*	1017.0	1179.0	1215.0	1189.0	*	198.	87.	AG	340.	7.9	.0	32.0		
3. EB	East	*	1172.0	1187.0	1084.8	1182.2	*	87.	267.	AG	48.	100.0	.0	12.0	.63	4.4
4. EB	East dep	*	1215.0	1189.0	2213.0	1238.0	*	999.	87.	AG	750.	7.9	.0	32.0		
5. WB	East	*	2212.0	1252.0	1563.0	1220.0	*	650.	267.	AG	1065.	7.9	.0	32.0		
6. WB	East	*	1563.0	1220.0	1213.0	1202.0	*	350.	267.	AG	1065.	7.9	.0	32.0		
7. WB	East	*	1255.0	1204.0	6361.3	1462.1	*	5113.	87.	AG	48.	100.0	.0	12.0	1.79	259.7
8. WB	East dep	*	1213.0	1202.0	216.0	1149.0	*	998.	267.	AG	665.	7.9	.0	32.0		
9. NB	PP ap	*	1253.0	522.0	1227.0	1042.0	*	521.	357.	AG	315.	7.9	.0	32.0		
10. NB	PP ap	*	1227.0	1042.0	1221.0	1196.0	*	154.	358.	AG	315.	7.9	.0	44.0		
11. NB	PP	*	1223.0	1159.0	1225.0	1105.0	*	54.	178.	AG	129.	100.0	.0	24.0	.31	2.7
12. NB	PP dep	*	1221.0	1196.0	1204.0	1564.0	*	368.	357.	AG	840.	7.9	.0	32.0		
13. NB	PP dep	*	1204.0	1564.0	1183.0	1927.0	*	364.	357.	AG	840.	7.9	.0	32.0		
14. NB	PP dep	*	1183.0	1927.0	1171.0	2195.0	*	268.	357.	AG	840.	7.9	.0	32.0		
15. SB	PP ap	*	1155.0	2196.0	1171.0	1926.0	*	270.	177.	AG	745.	7.9	.0	32.0		
16. SB	PP ap	*	1171.0	1926.0	1189.0	1552.0	*	374.	177.	AG	745.	7.9	.0	32.0		
17. SB	PP ap	*	1189.0	1552.0	1202.0	1195.0	*	357.	178.	AG	745.	7.9	.0	44.0		
18. SB	PP	*	1201.0	1237.0	1194.9	1384.1	*	147.	358.	AG	129.	100.0	.0	24.0	.85	7.5
19. SB	PP dep	*	1202.0	1195.0	1241.0	529.0	*	667.	177.	AG	210.	7.9	.0	32.0		

JOB: S9 Eastern & Patterson NBAM35 RUN: Site 9 No Build AM 2035
DATE: 09/07/2012 TIME: 12:17:59.66

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. EB	East	*	110	47	2.0	340	1011	42.10	1	3
7. WB	East	*	110	47	2.0	1065	1110	42.10	1	3
11. NB	PP	*	110	63	2.0	315	1316	42.10	1	3
18. SB	PP	*	110	63	2.0	745	1125	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1259.0	865.0	5.0	*
2. SE 164 S	*	1251.0	1003.0	5.0	*
3. SE 82 S	*	1247.0	1084.0	5.0	*
4. SE CNR	*	1244.0	1165.0	5.0	*
5. SE 82 E	*	1325.0	1170.0	5.0	*
6. SE 164 E	*	1406.0	1175.0	5.0	*
7. SE MID E	*	1567.0	1182.0	5.0	*
8. NE MID E	*	1559.0	1244.0	5.0	*
9. NE 164 E	*	1406.0	1237.0	5.0	*
10. NE 82 E	*	1324.0	1232.0	5.0	*
11. NE CNR	*	1245.0	1233.0	5.0	*
12. NE 82 N	*	1240.0	1308.0	5.0	*
13. NE 164 N	*	1236.0	1391.0	5.0	*
14. NE MID N	*	1232.0	1529.0	5.0	*
15. NW MID N	*	1168.0	1532.0	5.0	*
16. NW 164 N	*	1174.0	1388.0	5.0	*
17. NW 82 N	*	1177.0	1307.0	5.0	*
18. NW CNR	*	1179.0	1225.0	5.0	*
19. NW 82 W	*	1098.0	1220.0	5.0	*
20. NW 164 W	*	1016.0	1216.0	5.0	*
21. NW MID W	*	818.0	1206.0	5.0	*
22. SW MID W	*	819.0	1143.0	5.0	*
23. SW 164 W	*	1018.0	1154.0	5.0	*
24. SW 82 W	*	1101.0	1159.0	5.0	*
25. SW CNR	*	1178.0	1160.0	5.0	*
26. SW 82 S	*	1186.0	1082.0	5.0	*
27. SW 164 S	*	1190.0	1000.0	5.0	*
28. SW MID S	*	1198.0	862.0	5.0	*

JOB: S9 Eastern & Patterson NBAM35 RUN: Site 9 No Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first

angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.3	.7	.8	.5	.5	.5	.0	.0	.0	.2	.2	.3	.2	.4	.5	.6	.7	.0	.0
5.	.0	.1	.5	.7	.5	.5	.5	.0	.0	.0	.1	.1	.1	.1	.5	.6	.6	.7	.0	.0
10.	.0	.1	.3	.5	.5	.5	.5	.0	.0	.0	.1	.1	.1	.1	.5	.6	.7	.9	.0	.0
15.	.0	.1	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.5	.5	.8	.9	.1	.0
20.	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.5	.5	.9	.9	.2	.0
25.	.0	.1	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.5	.5	.9	.9	.3	.0
30.	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.5	.9	.9	.3	.0
35.	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.5	.9	.9	.3	.0
40.	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.8	.7	.3	.1
45.	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.8	.7	.3	.2
50.	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.8	.7	.3	.3
55.	.0	.1	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.8	.6	.3	.3
60.	.0	.1	.3	.5	.5	.6	.6	.0	.0	.0	.0	.0	.0	.0	.4	.4	.8	.6	.3	.3
65.	.0	.2	.3	.6	.6	.7	.7	.0	.0	.0	.0	.0	.0	.0	.3	.4	.8	.6	.3	.3
70.	.0	.1	.4	.6	.7	.7	.7	.1	.0	.1	.0	.0	.0	.0	.3	.4	.8	.6	.3	.1
75.	.0	.0	.3	.7	.7	.7	.6	.2	.3	.2	.1	.0	.0	.0	.3	.4	.8	.8	.4	.1
80.	.0	.0	.3	.6	.7	.6	.5	.4	.4	.4	.3	.0	.0	.0	.4	.5	.8	.8	.7	.4
85.	.0	.0	.0	.5	.5	.5	.5	.5	.4	.5	.5	.0	.0	.0	.4	.5	.8	.8	.7	.4
90.	.0	.0	.0	.5	.5	.5	.4	.5	.5	.5	.5	.2	.0	.0	.4	.5	.9	.9	.6	.4
95.	.0	.0	.0	.3	.4	.3	.3	.8	.7	.8	.6	.3	.0	.0	.4	.6	1.1	1.0	.5	.5
100.	.0	.0	.0	.1	.1	.1	.2	.8	.8	.8	.7	.4	.1	.0	.4	.6	1.2	1.0	.5	.5
105.	.0	.0	.0	.0	.1	.1	.0	.8	.7	.7	.6	.4	.1	.0	.4	.6	1.1	1.0	.4	.5
110.	.0	.0	.0	.0	.0	.0	.0	.7	.7	.6	.6	.3	.2	.0	.4	.8	1.1	.9	.5	.3
115.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.6	.3	.1	.0	.4	.8	1.1	.7	.4	.3
120.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.6	.3	.1	.0	.4	.9	1.0	.7	.5	.3
125.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.6	.2	.2	.0	.4	.9	1.0	.6	.5	.3
130.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.5	.2	.2	.0	.4	1.0	1.0	.6	.5	.3
135.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.5	.2	.2	.0	.4	1.0	1.0	.7	.4	.3
140.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.4	.2	.1	.0	.5	1.0	1.0	.6	.4	.3
145.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.4	.2	.1	.0	.5	1.1	1.1	.4	.4	.3
150.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.4	.2	.1	.0	.5	1.1	1.0	.5	.4	.3
155.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.4	.2	.1	.0	.6	1.1	.9	.5	.4	.3
160.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.3	.2	.1	.0	.6	1.0	.7	.6	.4	.3
165.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.3	.2	.2	.1	.6	.8	.6	.6	.4	.2
170.	.0	.1	.0	.2	.0	.0	.0	.4	.5	.5	.3	.3	.2	.1	.5	.8	.5	.6	.4	.2
175.	.1	.1	.1	.2	.0	.0	.0	.5	.5	.5	.4	.3	.3	.3	.5	.7	.5	.5	.4	.2
180.	.1	.1	.1	.2	.0	.0	.0	.5	.5	.5	.5	.3	.4	.4	.4	.5	.4	.4	.4	.2
185.	.1	.1	.2	.3	.0	.0	.0	.5	.5	.5	.5	.4	.4	.4	.4	.4	.3	.4	.4	.2
190.	.1	.1	.2	.3	.0	.0	.0	.4	.5	.5	.6	.5	.5	.6	.1	.2	.2	.3	.4	.2
195.	.1	.2	.3	.4	.0	.0	.0	.4	.5	.5	.6	.4	.6	.6	.1	.2	.2	.3	.3	.3
200.	.1	.2	.2	.4	.0	.0	.0	.4	.5	.5	.6	.4	.7	.6	.1	.1	.2	.4	.3	.3
205.	.1	.1	.2	.4	.0	.0	.0	.4	.5	.5	.6	.4	.8	.6	.0	.1	.1	.4	.3	.3

1

JOB: S9 Eastern & Patterson NBAM35 RUN: Site 9 No Build AM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.1	.1	.1	.4	.0	.0	.0	.5	.5	.5	.5	.6	.8	.4	.0	.0	.1	.4	.3	.3
215.	.1	.1	.1	.5	.0	.0	.0	.5	.5	.6	.5	.6	.7	.4	.0	.0	.1	.4	.3	.3
220.	.1	.1	.1	.5	.0	.0	.0	.6	.6	.7	.7	.7	.7	.4	.0	.0	.1	.4	.3	.3
225.	.1	.1	.1	.4	.0	.0	.0	.6	.6	.7	.6	.7	.7	.4	.0	.0	.1	.4	.3	.3
230.	.1	.1	.1	.4	.1	.0	.0	.6	.6	.6	.6	.7	.7	.4	.0	.0	.1	.4	.3	.3
235.	.1	.1	.1	.4	.1	.0	.0	.6	.6	.6	.6	.7	.7	.4	.0	.1	.1	.4	.3	.3
240.	.1	.1	.1	.4	.1	.0	.0	.6	.6	.5	.6	.7	.7	.4	.0	.1	.1	.4	.2	.3
245.	.1	.1	.1	.4	.1	.0	.0	.7	.5	.6	.7	.7	.5	.3	.0	.0	.1	.4	.2	.3
250.	.1	.1	.1	.3	.1	.0	.0	.7	.5	.6	.7	.7	.5	.3	.0	.0	.1	.3	.3	.3
255.	.1	.1	.1	.3	.1	.1	.1	.6	.6	.5	.5	.7	.5	.3	.0	.0	.1	.2	.3	.3
260.	.1	.1	.1	.4	.3	.1	.2	.5	.5	.5	.6	.7	.4	.3	.0	.0	.1	.2	.3	.3
265.	.1	.1	.1	.3	.3	.3	.2	.5	.5	.5	.6	.6	.4	.3	.0	.0	.0	.2	.3	.3
270.	.1	.1	.1	.4	.3	.4	.5	.4	.2	.5	.5	.6	.4	.3	.0	.0	.0	.2	.2	.2
275.	.1	.1	.2	.5	.3	.4	.5	.1	.3	.5	.5	.6	.4	.3	.0	.0	.0	.1	.1	.1
280.	.1	.1	.2	.4	.4	.6	.5	.1	.3	.3	.6	.6	.3	.3	.0	.0	.0	.1	.1	.1
285.	.1	.1	.2	.5	.4	.5	.6	.1	.2	.3	.5	.6	.3	.3	.0	.0	.0	.0	.0	.0
290.	.1	.1	.3	.4	.7	.6	.6	.0	.2	.3	.5	.6	.3	.3	.0	.0	.0	.0	.0	.0
295.	.1	.1	.3	.4	.7	.7	.5	.0	.2	.3	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
300.	.1	.1	.3	.5	.8	.7	.5	.0	.2	.3	.5	.7	.4	.4	.0	.0	.0	.0	.0	.0
305.	.1	.1	.3	.6	.8	.7	.5	.0	.1	.3	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0
310.	.1	.1	.4	.6	.8	.8	.5	.0	.1	.3	.7	.7	.4	.5	.0	.0	.0	.0	.0	.0
315.	.1	.1	.4	.7	.8	.6	.5	.0	.1	.3	.7	.6	.4	.4	.0	.0	.0	.0	.0	.0
320.	.1	.1	.4	.7	.8	.6	.5	.0	.0	.3	.7	.7	.4	.3	.0	.0	.0	.0	.0	.0
325.	.1	.1	.4	.6	.8	.5	.5	.0	.0	.3	.8	.7	.5	.3	.0	.0	.0	.0	.0	.0
330.	.1	.1	.5	.8	.8	.5	.5	.0	.0	.2	.8	.7	.5	.4	.0	.0	.0	.0	.0	.0
335.	.1	.3	.7	1.1	.8	.5	.5	.0	.0	.2	.7	.6	.5	.5	.0	.1	.1	.1	.0	.0
340.	.1	.2	.7	1.1	.6	.5	.5	.0	.0	.1	.7	.6	.6	.5	.1	.1	.1	.1	.0	.0
345.	.1	.5	.6	1.0	.6	.5	.5	.0	.0	.0	.6	.5	.5	.4	.1	.1	.1	.2	.0	.0
350.	.1	.5	.7	.8	.5	.5	.5	.0	.0	.0	.4	.3	.5	.3	.2	.2	.3	.4	.0	.0
355.	.1	.5	.8	.8	.5	.5	.5	.0	.0	.0	.4	.3	.5	.3	.4	.5	.4	.5	.0	.0
360.	.0	.3	.7	.8	.5	.5	.5	.0	.0	.0	.2	.2	.3	.2	.4	.5	.6	.7	.0	.0
MAX	.1	.5	.8	1.1	.8	.8	.7	.8	.8	.8	.8	.7	.8	.6	.6	1.1	1.2	1.0	.7	.5
DEGR.	175	345	355	335	300	310	65	95	100	95	325	240	205	190	155	145	100	95	80	95

1

JOB: S9 Eastern & Patterson NBAM35 RUN: Site 9 No Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.2	.1	.3	.7	.3	.3	.1
5.	.0	.2	.2	.3	.7	.3	.5	.1
10.	.0	.2	.2	.3	.8	.5	.4	.1
15.	.0	.2	.2	.6	.8	.5	.3	.2
20.	.0	.2	.2	.6	.7	.6	.4	.2
25.	.0	.2	.2	.6	.6	.7	.4	.2
30.	.0	.2	.2	.6	.6	.6	.2	.2
35.	.0	.2	.3	.6	.6	.6	.3	.2
40.	.0	.2	.5	.6	.6	.6	.3	.2
45.	.0	.2	.5	.6	.6	.6	.3	.2
50.	.0	.2	.5	.6	.6	.6	.3	.2
55.	.0	.3	.5	.6	.5	.5	.3	.2
60.	.0	.3	.3	.6	.4	.6	.3	.2
65.	.0	.3	.2	.6	.5	.6	.3	.2
70.	.0	.3	.3	.6	.6	.6	.3	.2
75.	.1	.2	.4	.6	.6	.6	.2	.2
80.	.1	.2	.5	.5	.8	.5	.2	.2
85.	.1	.2	.5	.4	.7	.2	.2	.2
90.	.2	.1	.3	.4	.6	.2	.2	.2
95.	.2	.0	.1	.4	.5	.2	.2	.2
100.	.3	.0	.0	.2	.4	.2	.2	.2
105.	.3	.0	.0	.1	.3	.2	.2	.2
110.	.3	.0	.0	.1	.3	.2	.2	.2
115.	.3	.0	.0	.1	.3	.2	.2	.2
120.	.3	.0	.0	.0	.4	.2	.2	.2
125.	.3	.0	.0	.0	.4	.1	.2	.2
130.	.3	.0	.0	.0	.4	.1	.2	.2
135.	.3	.0	.0	.0	.4	.1	.2	.2
140.	.3	.0	.0	.0	.3	.1	.2	.2
145.	.3	.0	.0	.0	.3	.1	.2	.2
150.	.3	.0	.0	.0	.3	.2	.2	.2
155.	.3	.0	.0	.0	.2	.2	.2	.2
160.	.3	.0	.0	.0	.1	.2	.2	.2
165.	.3	.0	.0	.0	.1	.2	.2	.2
170.	.3	.0	.0	.0	.1	.2	.2	.2
175.	.3	.0	.0	.0	.1	.2	.1	.1
180.	.3	.0	.0	.0	.0	.0	.0	.0
185.	.3	.0	.0	.0	.0	.0	.0	.0
190.	.3	.0	.0	.0	.0	.0	.0	.0
195.	.3	.0	.0	.0	.0	.0	.0	.0
200.	.3	.0	.0	.0	.0	.0	.0	.0
205.	.3	.0	.0	.0	.0	.0	.0	.0

1

JOB: S9 Eastern & Patterson NBAM35 RUN: Site 9 No Build AM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.3	.0	.0	.0	.0	.0	.0	.0
215.	.3	.0	.0	.0	.0	.0	.0	.0
220.	.3	.0	.0	.0	.0	.0	.0	.0
225.	.3	.0	.0	.0	.0	.0	.0	.0
230.	.3	.0	.0	.0	.0	.0	.0	.0
235.	.3	.0	.0	.0	.0	.0	.0	.0
240.	.3	.0	.0	.0	.0	.0	.0	.0
245.	.3	.0	.0	.0	.0	.0	.0	.0
250.	.3	.0	.0	.0	.0	.0	.0	.0
255.	.3	.0	.0	.0	.0	.0	.0	.0
260.	.3	.2	.2	.1	.1	.0	.0	.0
265.	.3	.2	.2	.2	.1	.0	.0	.0
270.	.1	.2	.2	.2	.2	.0	.0	.0
275.	.1	.2	.3	.4	.2	.1	.0	.0
280.	.1	.3	.3	.4	.4	.1	.0	.0
285.	.0	.3	.3	.4	.4	.1	.0	.0
290.	.0	.3	.3	.3	.4	.1	.0	.0
295.	.0	.3	.3	.3	.4	.1	.0	.0
300.	.0	.3	.3	.3	.3	.1	.0	.0
305.	.0	.2	.2	.3	.3	.1	.0	.0
310.	.0	.2	.2	.2	.3	.1	.0	.0
315.	.0	.2	.2	.2	.3	.1	.0	.0
320.	.0	.2	.2	.2	.3	.1	.0	.0
325.	.0	.2	.2	.3	.3	.1	.0	.0
330.	.0	.2	.2	.3	.3	.1	.0	.0
335.	.0	.2	.2	.3	.3	.1	.0	.0

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340.  *    .0    .2    .2    .3    .3    .1    .0    .0
345.  *    .0    .2    .2    .3    .5    .1    .0    .0
350.  *    .0    .2    .2    .3    .4    .4    .0    .0
355.  *    .0    .2    .1    .3    .5    .4    .3    .0
360.  *    .0    .2    .1    .3    .7    .3    .3    .1
------*-----------------------------------------------
MAX   *    .3    .3    .5    .6    .8    .7    .5    .2
DEGR. *  100    55    40    15    80    25     5    15

THE HIGHEST CONCENTRATION IS    1.20 PPM AT  100 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS    1.10 PPM AT  335 DEGREES FROM REC4 .
THE 3RD HIGHEST CONCENTRATION IS    1.10 PPM AT  145 DEGREES FROM REC16.
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S9 Eastern & Patterson NBPM21           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1259.      865.       5.0
SE 164 S                 1251.     1003.       5.0
SE 82 S                  1247.     1084.       5.0
SE CNR                   1244.     1165.       5.0
SE 82 E                  1325.     1170.       5.0
SE 164 E                 1406.     1175.       5.0
SE MID E                 1567.     1182.       5.0
NE MID E                 1559.     1244.       5.0
NE 164 E                 1406.     1237.       5.0
NE 82 E                  1324.     1232.       5.0
NE CNR                   1245.     1233.       5.0
NE 82 N                  1240.     1308.       5.0
NE 164 N                 1236.     1391.       5.0
NE MID N                 1232.     1529.       5.0
NW MID N                 1168.     1532.       5.0
NW 164 N                 1174.     1388.       5.0
NW 82 N                  1177.     1307.       5.0
NW CNR                   1179.     1225.       5.0
NW 82 W                  1098.     1220.       5.0
NW 164 W                 1016.     1216.       5.0
NW MID W                  818.     1206.       5.0
SW MID W                  819.     1143.       5.0
SW 164 W                 1018.     1154.       5.0
SW 82 W                  1101.     1159.       5.0
SW CNR                   1178.     1160.       5.0
SW 82 S                  1186.     1082.       5.0
SW 164 S                 1190.     1000.       5.0
SW MID S                 1198.      862.       5.0
Site 9 No Build PM 2021                 19  1   0
  1
EB        East      AG   216.  1138.  1017.  1179.    680. 8.1   0  32   35.
  1
EB        East      AG  1017.  1179.  1215.  1189.    680. 8.1   0  32   35.
  2
EB        East      AG  1172.  1187.  1026.  1179.      0.  12   1
       110        40       2.0  680   43.6 1527 1 3
  1
EB        East dep  AG  1215.  1189.  2213.  1238.    870. 8.1   0  32   35.
  1
WB        East      AG  2212.  1252.  1563.  1220.    550. 8.1   0  32   35.
  1
WB        East      AG  1563.  1220.  1213.  1202.    550. 8.1   0  32   35.
  2
WB        East      AG  1255.  1204.  1532.  1218.      0.  12   1
       110        40       2.0  550   43.6 1506 1 3
  1
WB        East dep  AG  1213.  1202.   216.  1149.    500. 8.1   0  32   35.
  1
NB        PP ap     AG  1253.   522.  1227.  1042.    175. 8.2   0  32   25.
  1
NB        PP ap     AG  1227.  1042.  1221.  1196.    175. 8.2   0  44   25.
  2
NB        PP        AG  1223.  1159.  1227.  1052.      0.  24   2
       110        78       2.0  175   43.6 1399 1 3
  1
NB        PP dep    AG  1221.  1196.  1204.  1564.    355. 8.2   0  32   25.
  1
NB        PP dep    AG  1204.  1564.  1183.  1927.    355. 8.2   0  32   25.
  1
NB        PP dep    AG  1183.  1927.  1171.  2195.    355. 8.2   0  32   25.
  1
SB        PP ap     AG  1155.  2196.  1171.  1926.    560. 8.2   0  32   25.
  1
SB        PP ap     AG  1171.  1926.  1189.  1552.    560. 8.2   0  32   25.
  1
SB        PP ap     AG  1189.  1552.  1202.  1195.    560. 8.2   0  44   25.
  2
SB        PP        AG  1201.  1237.  1193.  1431.      0.  24   2
       110        78       2.0  560   43.6 1450 1 3
  1
SB        PP dep    AG  1202.  1195.  1241.   529.    240. 8.2   0  32   25.
1.0   04  1000   0Y  5  0 72
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JOB: S9 Eastern & Patterson NBPM21 RUN: Site 9 No Build PM 2021
DATE: 09/07/2012 TIME: 12:17:13.58

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	East	*	216.0	1138.0	1017.0	1179.0	*	802.	87.	AG	680.	8.1	.0	32.0		
2. EB	East	*	1017.0	1179.0	1215.0	1189.0	*	198.	87.	AG	680.	8.1	.0	32.0		
3. EB	East	*	1172.0	1187.0	1023.5	1178.9	*	149.	267.	AG	43.	100.0	.0	12.0	.74	7.6
4. EB	East dep	*	1215.0	1189.0	2213.0	1238.0	*	999.	87.	AG	870.	8.1	.0	32.0		
5. WB	East	*	2212.0	1252.0	1563.0	1220.0	*	650.	267.	AG	550.	8.1	.0	32.0		
6. WB	East	*	1563.0	1220.0	1213.0	1202.0	*	350.	267.	AG	550.	8.1	.0	32.0		
7. WB	East	*	1255.0	1204.0	1375.1	1210.1	*	120.	87.	AG	43.	100.0	.0	12.0	.61	6.1
8. WB	East dep	*	1213.0	1202.0	216.0	1149.0	*	998.	267.	AG	500.	8.1	.0	32.0		
9. NB	PP ap	*	1253.0	522.0	1227.0	1042.0	*	521.	357.	AG	175.	8.2	.0	32.0		
10. NB	PP ap	*	1227.0	1042.0	1221.0	1196.0	*	154.	358.	AG	175.	8.2	.0	44.0		
11. NB	PP	*	1223.0	1159.0	1224.4	1121.9	*	37.	178.	AG	166.	100.0	.0	24.0	.24	1.9
12. NB	PP dep	*	1221.0	1196.0	1204.0	1564.0	*	368.	357.	AG	355.	8.2	.0	32.0		
13. NB	PP dep	*	1204.0	1564.0	1183.0	1927.0	*	364.	357.	AG	355.	8.2	.0	32.0		
14. NB	PP dep	*	1183.0	1927.0	1171.0	2195.0	*	268.	357.	AG	355.	8.2	.0	32.0		
15. SB	PP ap	*	1155.0	2196.0	1171.0	1926.0	*	270.	177.	AG	560.	8.2	.0	32.0		
16. SB	PP ap	*	1171.0	1926.0	1189.0	1552.0	*	374.	177.	AG	560.	8.2	.0	32.0		
17. SB	PP ap	*	1189.0	1552.0	1202.0	1195.0	*	357.	178.	AG	560.	8.2	.0	44.0		
18. SB	PP	*	1201.0	1237.0	1195.8	1362.3	*	125.	358.	AG	166.	100.0	.0	24.0	.76	6.4
19. SB	PP dep	*	1202.0	1195.0	1241.0	529.0	*	667.	177.	AG	240.	8.2	.0	32.0		

JOB: S9 Eastern & Patterson NBPM21 RUN: Site 9 No Build PM 2021
DATE: 09/07/2012 TIME: 12:17:13.58

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. EB	East	*	110	40	2.0	680	1527	43.60	1	3
7. WB	East	*	110	40	2.0	550	1506	43.60	1	3
11. NB	PP	*	110	78	2.0	175	1399	43.60	1	3
18. SB	PP	*	110	78	2.0	560	1450	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1259.0	865.0	5.0	*
2. SE 164 S	*	1251.0	1003.0	5.0	*
3. SE 82 S	*	1247.0	1084.0	5.0	*
4. SE CNR	*	1244.0	1165.0	5.0	*
5. SE 82 E	*	1325.0	1170.0	5.0	*
6. SE 164 E	*	1406.0	1175.0	5.0	*
7. SE MID E	*	1567.0	1182.0	5.0	*
8. NE MID E	*	1559.0	1244.0	5.0	*
9. NE 164 E	*	1406.0	1237.0	5.0	*
10. NE 82 E	*	1324.0	1232.0	5.0	*
11. NE CNR	*	1245.0	1233.0	5.0	*
12. NE 82 N	*	1240.0	1308.0	5.0	*
13. NE 164 N	*	1236.0	1391.0	5.0	*
14. NE MID N	*	1232.0	1529.0	5.0	*
15. NW MID N	*	1168.0	1532.0	5.0	*
16. NW 164 N	*	1174.0	1388.0	5.0	*
17. NW 82 N	*	1177.0	1307.0	5.0	*
18. NW CNR	*	1179.0	1225.0	5.0	*
19. NW 82 W	*	1098.0	1220.0	5.0	*
20. NW 164 W	*	1016.0	1216.0	5.0	*
21. NW MID W	*	818.0	1206.0	5.0	*
22. SW MID W	*	819.0	1143.0	5.0	*
23. SW 164 W	*	1018.0	1154.0	5.0	*
24. SW 82 W	*	1101.0	1159.0	5.0	*
25. SW CNR	*	1178.0	1160.0	5.0	*
26. SW 82 S	*	1186.0	1082.0	5.0	*
27. SW 164 S	*	1190.0	1000.0	5.0	*
28. SW MID S	*	1198.0	862.0	5.0	*

JOB: S9 Eastern & Patterson NBPM21 RUN: Site 9 No Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first

angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.0	.4	.6	.4	.3	.3	.0	.0	.0	.2	.1	.1	.2	.4	.3	.4	.5	.0	.0
5.	.0	.0	.2	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.5	.7	.0	.0
10.	.0	.1	.1	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.6	.8	.0	.0
15.	.0	.1	.1	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.6	.8	.0	.0
20.	.0	.1	.2	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	.8	.1	.0
25.	.0	.1	.2	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.8	.2	.0
30.	.0	.1	.2	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3	.8	.8	.2	.0
35.	.0	.1	.2	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3	.8	.8	.2	.0
40.	.0	.1	.2	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.7	.2	.0
45.	.0	.1	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.7	.3	.0
50.	.0	.1	.2	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.6	.3	.1
55.	.0	.1	.1	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.6	.3	.1
60.	.0	.1	.1	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.6	.3	.1
65.	.0	.1	.1	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.5	.3	.1
70.	.0	.1	.1	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.2	.8	.5	.2	.1
75.	.0	.0	.1	.4	.4	.5	.4	.2	.1	.1	.1	.0	.0	.0	.2	.3	.8	.6	.3	.1
80.	.0	.0	.1	.4	.4	.5	.4	.2	.2	.2	.2	.0	.0	.0	.3	.3	.8	.6	.3	.3
85.	.0	.0	.1	.4	.4	.4	.4	.2	.3	.2	.2	.0	.0	.0	.3	.3	.8	.6	.5	.4
90.	.0	.0	.0	.3	.2	.3	.3	.4	.4	.3	.3	.1	.0	.0	.3	.3	.9	.6	.5	.3
95.	.0	.0	.0	.1	.2	.2	.2	.4	.4	.4	.3	.1	.0	.0	.3	.3	.9	.6	.4	.3
100.	.0	.0	.0	.1	.1	.1	.1	.4	.4	.4	.4	.1	.0	.0	.3	.3	.9	.6	.4	.4
105.	.0	.0	.0	.1	.1	.1	.1	.4	.4	.4	.5	.1	.1	.0	.3	.4	.8	.6	.4	.5
110.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.5	.1	.1	.0	.3	.4	.9	.6	.3	.4
115.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.5	.2	.1	.0	.3	.5	1.0	.5	.3	.5
120.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.5	.2	.1	.0	.3	.5	1.0	.5	.4	.5
125.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.4	.2	.1	.0	.3	.5	1.0	.5	.4	.4
130.	.0	.0	.0	.0	.0	.0	.0	.3	.4	.5	.4	.2	.1	.0	.3	.6	1.0	.5	.3	.3
135.	.0	.0	.0	.0	.0	.0	.0	.3	.4	.5	.4	.2	.1	.0	.3	.6	1.0	.5	.3	.3
140.	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4	.4	.2	.1	.0	.3	.7	1.0	.5	.3	.3
145.	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4	.4	.2	.1	.0	.3	.7	.9	.4	.3	.3
150.	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4	.4	.2	.1	.0	.3	.8	.9	.5	.3	.3
155.	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4	.4	.2	.1	.0	.3	.7	.9	.5	.3	.3
160.	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4	.3	.2	.1	.0	.4	.7	.6	.5	.3	.2
165.	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.3	.2	.1	.0	.4	.7	.6	.5	.3	.2
170.	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.3	.2	.0	.0	.4	.6	.5	.5	.3	.2
175.	.0	.0	.0	.1	.0	.0	.0	.4	.3	.4	.4	.1	.2	.3	.4	.5	.4	.4	.3	.3
180.	.0	.1	.0	.1	.0	.0	.0	.3	.3	.4	.4	.2	.3	.3	.3	.5	.3	.4	.3	.3
185.	.1	.2	.1	.4	.0	.0	.0	.3	.3	.4	.3	.2	.4	.3	.2	.3	.3	.2	.3	.3
190.	.2	.2	.1	.4	.0	.0	.0	.3	.3	.4	.4	.3	.4	.3	.1	.2	.3	.2	.3	.2
195.	.2	.2	.1	.5	.0	.0	.0	.3	.3	.4	.4	.3	.5	.3	.1	.2	.2	.2	.3	.2
200.	.2	.2	.1	.5	.0	.0	.0	.3	.3	.4	.3	.3	.5	.3	.1	.1	.1	.2	.3	.2
205.	.2	.2	.1	.5	.0	.0	.0	.3	.3	.4	.3	.5	.5	.3	.0	.0	.2	.3	.3	.2

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JOB: S9 Eastern & Patterson NBPM21 RUN: Site 9 No Build PM 2021

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.2	.2	.1	.6	.0	.0	.0	.3	.3	.4	.4	.5	.5	.2	.0	.0	.2	.3	.3	.2
215.	.2	.2	.1	.6	.0	.0	.0	.3	.3	.4	.4	.6	.5	.2	.0	.0	.2	.3	.3	.2
220.	.2	.2	.1	.6	.0	.0	.0	.4	.4	.6	.4	.7	.5	.2	.0	.0	.2	.3	.3	.2
225.	.2	.2	.1	.5	.0	.0	.0	.4	.4	.6	.6	.7	.4	.2	.0	.0	.1	.3	.3	.3
230.	.0	.0	.0	.5	.0	.0	.0	.4	.5	.6	.5	.7	.4	.2	.0	.0	.1	.4	.4	.4
235.	.0	.0	.0	.5	.0	.0	.0	.4	.5	.6	.5	.6	.4	.2	.0	.0	.1	.4	.5	.4
240.	.0	.0	.0	.4	.1	.0	.0	.4	.5	.5	.5	.6	.3	.2	.0	.0	.2	.4	.4	.4
245.	.0	.0	.0	.3	.1	.0	.0	.4	.5	.5	.4	.6	.3	.2	.0	.0	.2	.4	.4	.4
250.	.0	.0	.0	.3	.1	.0	.1	.4	.5	.5	.4	.7	.3	.2	.0	.0	.2	.5	.4	.4
255.	.0	.0	.0	.2	.1	.1	.1	.4	.4	.4	.5	.7	.2	.2	.0	.0	.2	.4	.4	.4
260.	.0	.0	.0	.4	.2	.1	.1	.4	.4	.4	.6	.5	.2	.2	.0	.0	.0	.4	.3	.4
265.	.0	.0	.1	.5	.4	.1	.3	.2	.3	.4	.6	.5	.2	.2	.0	.0	.0	.4	.3	.2
270.	.0	.0	.1	.5	.4	.4	.3	.2	.4	.3	.5	.5	.2	.2	.0	.0	.0	.2	.2	.2
275.	.0	.0	.1	.4	.4	.4	.4	.2	.2	.3	.5	.5	.2	.2	.0	.0	.0	.1	.2	.2
280.	.0	.0	.1	.5	.5	.4	.4	.1	.1	.2	.4	.5	.2	.2	.0	.0	.0	.1	.1	.1
285.	.0	.0	.2	.4	.5	.6	.4	.0	.1	.2	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0
290.	.0	.0	.1	.4	.3	.6	.4	.0	.1	.2	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0
295.	.0	.0	.1	.3	.4	.6	.4	.0	.1	.2	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0
300.	.0	.0	.2	.3	.7	.6	.4	.0	.1	.2	.5	.5	.2	.3	.0	.0	.0	.0	.0	.0
305.	.0	.0	.4	.4	.7	.6	.4	.0	.0	.2	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0
310.	.2	.1	.4	.5	.6	.6	.4	.0	.0	.2	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0
315.	.2	.1	.3	.5	.6	.4	.3	.0	.0	.2	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0
320.	.2	.1	.3	.6	.6	.3	.3	.0	.0	.2	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0
325.	.2	.1	.4	.6	.6	.3	.3	.0	.0	.2	.5	.4	.2	.3	.0	.0	.0	.0	.0	.0
330.	.2	.1	.5	.7	.6	.3	.3	.0	.0	.0	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0
335.	.2	.0	.5	.7	.5	.3	.3	.0	.0	.0	.5	.3	.2	.2	.0	.0	.1	.0	.0	.0
340.	.2	.2	.5	.7	.4	.3	.3	.0	.0	.0	.4	.3	.2	.2	.0	.1	.1	.2	.0	.0
345.	.1	.2	.5	.7	.4	.3	.3	.0	.0	.0	.4	.2	.3	.2	.1	.1	.1	.2	.0	.0
350.	.0	.2	.6	.7	.4	.3	.3	.0	.0	.0	.3	.2	.3	.2	.1	.1	.2	.3	.0	.0
355.	.0	.2	.4	.6	.4	.3	.4	.0	.0	.0	.3	.2	.2	.2	.1	.2	.3	.4	.0	.0
360.	.0	.0	.4	.6	.4	.3	.3	.0	.0	.0	.2	.1	.1	.2	.4	.3	.4	.5	.0	.0
MAX	.2	.2	.6	.7	.7	.6	.4	.4	.5	.6	.6	.7	.5	.3	.4	.8	1.0	.8	.5	.5
DEGR.	190	185	350	330	300	285	45	90	230	220	225	220	195	175	0	150	115	10	85	105

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JOB: S9 Eastern & Patterson NBPM21 RUN: Site 9 No Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.3	.3	.4	.6	.3	.2	.1
5.	.0	.3	.3	.4	.7	.4	.2	.1
10.	.0	.3	.2	.4	.8	.4	.3	.1
15.	.0	.3	.2	.5	.7	.4	.2	.1
20.	.0	.3	.3	.6	.6	.4	.2	.1
25.	.0	.3	.4	.6	.5	.3	.2	.1
30.	.0	.3	.4	.6	.5	.4	.2	.1
35.	.0	.3	.4	.6	.5	.4	.2	.1
40.	.0	.3	.5	.6	.5	.4	.2	.1
45.	.0	.3	.5	.6	.4	.4	.2	.1
50.	.0	.3	.5	.6	.3	.4	.2	.1
55.	.0	.3	.5	.6	.4	.4	.2	.1
60.	.0	.3	.5	.5	.5	.3	.2	.1
65.	.0	.3	.5	.5	.5	.2	.2	.1
70.	.0	.3	.5	.6	.5	.2	.2	.1
75.	.0	.3	.5	.5	.5	.2	.1	.1
80.	.1	.4	.5	.3	.5	.2	.1	.1
85.	.3	.3	.3	.3	.5	.2	.1	.1
90.	.3	.3	.2	.3	.5	.1	.1	.1
95.	.4	.1	.2	.3	.4	.1	.1	.1
100.	.3	.0	.0	.2	.4	.1	.1	.1
105.	.3	.0	.0	.1	.3	.1	.1	.1
110.	.3	.0	.0	.1	.3	.1	.1	.1
115.	.4	.0	.0	.0	.3	.1	.1	.1
120.	.4	.0	.0	.0	.3	.1	.1	.1
125.	.3	.0	.0	.0	.3	.1	.1	.1
130.	.2	.0	.0	.0	.3	.1	.1	.1
135.	.2	.0	.0	.0	.2	.1	.1	.1
140.	.2	.0	.0	.0	.2	.1	.1	.1
145.	.2	.0	.0	.0	.2	.1	.1	.1
150.	.2	.0	.0	.0	.1	.1	.1	.1
155.	.2	.0	.0	.0	.1	.1	.1	.1
160.	.2	.0	.0	.0	.1	.1	.1	.1
165.	.2	.0	.0	.0	.1	.1	.1	.1
170.	.2	.0	.0	.0	.1	.1	.1	.1
175.	.2	.0	.0	.0	.1	.1	.1	.1
180.	.2	.0	.0	.0	.0	.1	.1	.0
185.	.2	.0	.0	.0	.0	.0	.0	.0
190.	.2	.0	.0	.0	.0	.0	.0	.0
195.	.2	.0	.0	.0	.0	.0	.0	.0
200.	.2	.0	.0	.0	.0	.0	.0	.0
205.	.2	.0	.0	.0	.0	.0	.0	.0

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JOB: S9 Eastern & Patterson NBPM21 RUN: Site 9 No Build PM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.2	.0	.0	.0	.0	.0	.0	.0
215.	.2	.0	.0	.0	.0	.0	.0	.0
220.	.2	.0	.0	.0	.0	.0	.0	.0
225.	.3	.0	.0	.0	.0	.0	.0	.0
230.	.4	.0	.0	.0	.0	.0	.0	.0
235.	.4	.0	.0	.0	.0	.0	.0	.0
240.	.4	.0	.0	.0	.0	.0	.0	.0
245.	.4	.0	.0	.0	.0	.0	.0	.0
250.	.4	.0	.0	.0	.0	.0	.0	.0
255.	.4	.1	.1	.1	.0	.0	.0	.0
260.	.3	.1	.2	.2	.3	.0	.0	.0
265.	.2	.2	.3	.3	.3	.0	.0	.0
270.	.2	.3	.3	.3	.3	.0	.0	.0
275.	.2	.3	.3	.3	.4	.1	.0	.0
280.	.1	.3	.3	.4	.5	.1	.0	.0
285.	.0	.3	.4	.5	.5	.2	.0	.0
290.	.0	.3	.3	.5	.4	.2	.0	.0
295.	.0	.3	.3	.5	.4	.2	.0	.0
300.	.0	.3	.3	.4	.4	.1	.0	.0
305.	.0	.3	.3	.4	.4	.1	.0	.0
310.	.0	.3	.3	.4	.4	.2	.0	.0
315.	.0	.3	.3	.4	.4	.1	.0	.0
320.	.0	.3	.3	.4	.4	.1	.0	.0
325.	.0	.3	.3	.4	.4	.1	.0	.0
330.	.0	.3	.3	.4	.4	.1	.0	.0
335.	.0	.3	.2	.4	.4	.1	.0	.0

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340.  *    .0    .3    .2    .4    .4    .1    .0    .0
345.  *    .0    .3    .2    .4    .5    .1    .0    .0
350.  *    .0    .3    .3    .4    .5    .3    .0    .0
355.  *    .0    .3    .3    .4    .5    .3    .1    .1
360.  *    .0    .3    .3    .4    .6    .3    .2    .1
------*-----------------------------------------------
MAX   *    .4    .4    .5    .6    .8    .4    .3    .1
DEGR. *   95    80    40    20    10     5    10     0

THE HIGHEST CONCENTRATION IS    1.00 PPM AT  115 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS     .80 PPM AT  150 DEGREES FROM REC16.
THE 3RD HIGHEST CONCENTRATION IS     .80 PPM AT   10 DEGREES FROM REC18.
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S9 Eastern & Patterson NBPM35           60.0321.0.0000.000280.30480000    1    1
SE MID S                 1259.      865.       5.0
SE 164 S                 1251.     1003.       5.0
SE 82 S                  1247.     1084.       5.0
SE CNR                   1244.     1165.       5.0
SE 82 E                  1325.     1170.       5.0
SE 164 E                 1406.     1175.       5.0
SE MID E                 1567.     1182.       5.0
NE MID E                 1559.     1244.       5.0
NE 164 E                 1406.     1237.       5.0
NE 82 E                  1324.     1232.       5.0
NE CNR                   1245.     1233.       5.0
NE 82 N                  1240.     1308.       5.0
NE 164 N                 1236.     1391.       5.0
NE MID N                 1232.     1529.       5.0
NW MID N                 1168.     1532.       5.0
NW 164 N                 1174.     1388.       5.0
NW 82 N                  1177.     1307.       5.0
NW CNR                   1179.     1225.       5.0
NW 82 W                  1098.     1220.       5.0
NW 164 W                 1016.     1216.       5.0
NW MID W                  818.     1206.       5.0
SW MID W                  819.     1143.       5.0
SW 164 W                 1018.     1154.       5.0
SW 82 W                  1101.     1159.       5.0
SW CNR                   1178.     1160.       5.0
SW 82 S                  1186.     1082.       5.0
SW 164 S                 1190.     1000.       5.0
SW MID S                 1198.      862.       5.0
Site 9 No Build PM 2035                 19  1   0
  1
EB        East      AG   216.  1138.  1017.  1179.    755. 7.9   0  32   35.
  1
EB        East      AG  1017.  1179.  1215.  1189.    755. 7.9   0  32   35.
  2
EB        East      AG  1172.  1187.  1026.  1179.      0.  12   1
       110        36       2.0  755   42.1 1248 1 3
  1
EB        East dep  AG  1215.  1189.  2213.  1238.    905. 7.9   0  32   35.
  1
WB        East      AG  2212.  1252.  1563.  1220.    675. 7.9   0  32   35.
  1
WB        East      AG  1563.  1220.  1213.  1202.    675. 7.9   0  32   35.
  2
WB        East      AG  1255.  1204.  1532.  1218.      0.  12   1
       110        36       2.0  675   42.1 1095 1 3
  1
WB        East dep  AG  1213.  1202.   216.  1149.    680. 7.9   0  32   35.
  1
NB        PP ap     AG  1253.   522.  1227.  1042.    290. 7.9   0  32   25.
  1
NB        PP ap     AG  1227.  1042.  1221.  1196.    290. 7.9   0  44   25.
  2
NB        PP        AG  1223.  1159.  1227.  1052.      0.  24   2
       110        75       2.0  290   42.1 1165 1 3
  1
NB        PP dep    AG  1221.  1196.  1204.  1564.    380. 7.9   0  32   25.
  1
NB        PP dep    AG  1204.  1564.  1183.  1927.    380. 7.9   0  32   25.
  1
NB        PP dep    AG  1183.  1927.  1171.  2195.    380. 7.9   0  32   25.
  1
SB        PP ap     AG  1155.  2196.  1171.  1926.    610. 7.9   0  32   25.
  1
SB        PP ap     AG  1171.  1926.  1189.  1552.    610. 7.9   0  32   25.
  1
SB        PP ap     AG  1189.  1552.  1202.  1195.    610. 7.9   0  44   25.
  2
SB        PP        AG  1201.  1237.  1193.  1431.      0.  24   2
       110        75       2.0  610   42.1 1480 1 3
  1
SB        PP dep    AG  1202.  1195.  1241.   529.    365. 7.9   0  32   25.
1.0   04  1000   0Y  5  0 72
```

JOB: S9 Eastern & Patterson NBPM35 RUN: Site 9 No Build PM 2035
DATE: 09/07/2012 TIME: 12:18:15.26

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	East	*	216.0	1138.0	1017.0	1179.0	*	802.	87.	AG	755.	7.9	.0	32.0		
2. EB	East	*	1017.0	1179.0	1215.0	1189.0	*	198.	87.	AG	755.	7.9	.0	32.0		
3. EB	East	*	1172.0	1187.0	949.3	1174.8	*	223.	267.	AG	37.	100.0	.0	12.0	.95	11.3
4. EB	East dep	*	1215.0	1189.0	2213.0	1238.0	*	999.	87.	AG	905.	7.9	.0	32.0		
5. WB	East	*	2212.0	1252.0	1563.0	1220.0	*	650.	267.	AG	675.	7.9	.0	32.0		
6. WB	East	*	1563.0	1220.0	1213.0	1202.0	*	350.	267.	AG	675.	7.9	.0	32.0		
7. WB	East	*	1255.0	1204.0	1478.3	1215.3	*	224.	87.	AG	37.	100.0	.0	12.0	.97	11.4
8. WB	East dep	*	1213.0	1202.0	216.0	1149.0	*	998.	267.	AG	680.	7.9	.0	32.0		
9. NB	PP ap	*	1253.0	522.0	1227.0	1042.0	*	521.	357.	AG	290.	7.9	.0	32.0		
10. NB	PP ap	*	1227.0	1042.0	1221.0	1196.0	*	154.	358.	AG	290.	7.9	.0	44.0		
11. NB	PP	*	1223.0	1159.0	1225.2	1099.6	*	59.	178.	AG	154.	100.0	.0	24.0	.44	3.0
12. NB	PP dep	*	1221.0	1196.0	1204.0	1564.0	*	368.	357.	AG	380.	7.9	.0	32.0		
13. NB	PP dep	*	1204.0	1564.0	1183.0	1927.0	*	364.	357.	AG	380.	7.9	.0	32.0		
14. NB	PP dep	*	1183.0	1927.0	1171.0	2195.0	*	268.	357.	AG	380.	7.9	.0	32.0		
15. SB	PP ap	*	1155.0	2196.0	1171.0	1926.0	*	270.	177.	AG	610.	7.9	.0	32.0		
16. SB	PP ap	*	1171.0	1926.0	1189.0	1552.0	*	374.	177.	AG	610.	7.9	.0	32.0		
17. SB	PP ap	*	1189.0	1552.0	1202.0	1195.0	*	357.	178.	AG	610.	7.9	.0	44.0		
18. SB	PP	*	1201.0	1237.0	1195.8	1364.0	*	127.	358.	AG	154.	100.0	.0	24.0	.73	6.5
19. SB	PP dep	*	1202.0	1195.0	1241.0	529.0	*	667.	177.	AG	365.	7.9	.0	32.0		

JOB: S9 Eastern & Patterson NBPM35 RUN: Site 9 No Build PM 2035
DATE: 09/07/2012 TIME: 12:18:15.26

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. EB	East	*	110	36	2.0	755	1248	42.10	1	3
7. WB	East	*	110	36	2.0	675	1095	42.10	1	3
11. NB	PP	*	110	75	2.0	290	1165	42.10	1	3
18. SB	PP	*	110	75	2.0	610	1480	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1259.0	865.0	5.0	*
2. SE 164 S	*	1251.0	1003.0	5.0	*
3. SE 82 S	*	1247.0	1084.0	5.0	*
4. SE CNR	*	1244.0	1165.0	5.0	*
5. SE 82 E	*	1325.0	1170.0	5.0	*
6. SE 164 E	*	1406.0	1175.0	5.0	*
7. SE MID E	*	1567.0	1182.0	5.0	*
8. NE MID E	*	1559.0	1244.0	5.0	*
9. NE 164 E	*	1406.0	1237.0	5.0	*
10. NE 82 E	*	1324.0	1232.0	5.0	*
11. NE CNR	*	1245.0	1233.0	5.0	*
12. NE 82 N	*	1240.0	1308.0	5.0	*
13. NE 164 N	*	1236.0	1391.0	5.0	*
14. NE MID N	*	1232.0	1529.0	5.0	*
15. NW MID N	*	1168.0	1532.0	5.0	*
16. NW 164 N	*	1174.0	1388.0	5.0	*
17. NW 82 N	*	1177.0	1307.0	5.0	*
18. NW CNR	*	1179.0	1225.0	5.0	*
19. NW 82 W	*	1098.0	1220.0	5.0	*
20. NW 164 W	*	1016.0	1216.0	5.0	*
21. NW MID W	*	818.0	1206.0	5.0	*
22. SW MID W	*	819.0	1143.0	5.0	*
23. SW 164 W	*	1018.0	1154.0	5.0	*
24. SW 82 W	*	1101.0	1159.0	5.0	*
25. SW CNR	*	1178.0	1160.0	5.0	*
26. SW 82 S	*	1186.0	1082.0	5.0	*
27. SW 164 S	*	1190.0	1000.0	5.0	*
28. SW MID S	*	1198.0	862.0	5.0	*

JOB: S9 Eastern & Patterson NBPM35 RUN: Site 9 No Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first

angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.1	.6	.6	.4	.4	.3	.0	.0	.0	.2	.2	.1	.2	.4	.3	.3	.5	.0	.0
5.	.0	.2	.4	.5	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.5	.7	.0	.0
10.	.0	.1	.3	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.6	.8	.0	.0
15.	.0	.1	.2	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.6	.9	.0	.0
20.	.0	.1	.2	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	.8	.1	.0
25.	.0	.1	.2	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	.8	.2	.0
30.	.0	.1	.2	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3	.8	.8	.2	.0
35.	.0	.1	.2	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3	.8	.7	.2	.0
40.	.0	.1	.2	.4	.4	.5	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3	.8	.7	.2	.0
45.	.0	.1	.2	.5	.5	.5	.4	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.7	.2	.0
50.	.0	.1	.2	.5	.5	.5	.4	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.6	.3	.1
55.	.0	.1	.2	.6	.5	.4	.5	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.6	.3	.1
60.	.0	.1	.2	.6	.5	.4	.5	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.5	.3	.1
65.	.0	.1	.1	.6	.5	.4	.5	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.5	.2	.1
70.	.0	.1	.1	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.5	.2	.1
75.	.0	.0	.1	.5	.4	.5	.5	.2	.1	.2	.1	.0	.0	.0	.3	.3	.8	.6	.3	.1
80.	.0	.0	.1	.4	.5	.5	.4	.2	.3	.2	.2	.0	.0	.0	.3	.3	.8	.6	.5	.3
85.	.0	.0	.1	.4	.5	.5	.4	.3	.3	.3	.2	.0	.0	.0	.3	.3	.8	.6	.5	.4
90.	.0	.0	.0	.3	.3	.3	.3	.4	.4	.5	.3	.1	.0	.0	.3	.3	.9	.6	.4	.4
95.	.0	.0	.0	.2	.2	.2	.2	.4	.4	.6	.5	.1	.0	.0	.3	.3	.9	.7	.4	.4
100.	.0	.0	.0	.1	.1	.1	.1	.4	.5	.5	.5	.1	.0	.0	.3	.3	.9	.8	.5	.4
105.	.0	.0	.0	.1	.1	.1	.1	.4	.5	.5	.5	.1	.1	.0	.3	.4	1.0	.8	.5	.5
110.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.5	.2	.1	.0	.3	.4	1.0	.7	.4	.5
115.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.5	.2	.1	.0	.3	.5	1.0	.6	.5	.5
120.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.5	.2	.1	.0	.3	.5	1.0	.5	.4	.5
125.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.5	.2	.1	.0	.3	.5	1.0	.5	.6	.5
130.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.5	.2	.1	.0	.3	.6	1.0	.6	.6	.5
135.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.5	.2	.1	.0	.3	.6	1.0	.6	.6	.5
140.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.5	.2	.1	.0	.3	.7	1.0	.5	.4	.4
145.	.0	.0	.0	.0	.0	.0	.0	.3	.5	.5	.5	.2	.1	.0	.3	.7	1.0	.6	.4	.4
150.	.0	.0	.0	.0	.0	.0	.0	.3	.5	.5	.4	.2	.1	.0	.3	.8	.9	.6	.4	.4
155.	.0	.0	.0	.0	.0	.0	.0	.3	.5	.5	.3	.2	.1	.0	.3	.7	.8	.6	.4	.4
160.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.3	.2	.1	.0	.5	.7	.7	.7	.4	.4
165.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.3	.2	.1	.0	.5	.7	.6	.6	.4	.4
170.	.0	.1	.0	.2	.0	.0	.0	.4	.5	.5	.4	.2	.0	.0	.4	.6	.7	.6	.4	.4
175.	.1	.1	.1	.2	.0	.0	.0	.4	.5	.5	.4	.2	.2	.3	.4	.5	.7	.6	.4	.5
180.	.2	.2	.2	.4	.0	.0	.0	.4	.5	.5	.5	.4	.3	.3	.3	.4	.4	.5	.4	.5
185.	.2	.2	.2	.4	.0	.0	.0	.3	.5	.5	.5	.4	.4	.3	.3	.3	.4	.5	.4	.5
190.	.2	.2	.3	.5	.0	.0	.0	.3	.5	.5	.5	.5	.4	.3	.1	.2	.4	.3	.4	.4
195.	.2	.2	.3	.5	.0	.0	.0	.3	.5	.5	.5	.3	.4	.3	.1	.2	.3	.3	.4	.4
200.	.2	.2	.3	.6	.0	.0	.0	.3	.5	.5	.5	.3	.5	.3	.1	.1	.2	.3	.4	.4
205.	.2	.2	.2	.6	.0	.0	.0	.4	.5	.5	.5	.5	.5	.3	.0	.0	.2	.3	.4	.4

1

JOB: S9 Eastern & Patterson NBPM35 RUN: Site 9 No Build PM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.2	.2	.2	.6	.0	.0	.0	.4	.5	.6	.6	.6	.5	.2	.0	.0	.2	.4	.4	.4
215.	.2	.2	.2	.6	.0	.0	.0	.4	.5	.6	.6	.6	.5	.2	.0	.0	.2	.4	.4	.4
220.	.2	.2	.2	.6	.0	.0	.0	.4	.5	.6	.6	.7	.5	.2	.0	.0	.2	.5	.4	.5
225.	.2	.2	.2	.6	.1	.0	.0	.4	.5	.6	.6	.7	.4	.2	.0	.0	.2	.5	.4	.5
230.	.2	.2	.2	.6	.1	.0	.0	.4	.5	.6	.5	.7	.5	.2	.0	.1	.1	.5	.4	.4
235.	.2	.2	.2	.6	.1	.0	.0	.4	.5	.6	.5	.7	.5	.2	.0	.1	.1	.5	.5	.4
240.	.2	.2	.2	.5	.1	.0	.0	.4	.5	.6	.5	.6	.4	.2	.0	.2	.2	.5	.5	.4
245.	.2	.2	.2	.5	.1	.0	.0	.4	.5	.6	.5	.7	.3	.2	.0	.0	.2	.4	.5	.4
250.	.2	.2	.2	.5	.1	.0	.1	.4	.5	.5	.5	.7	.3	.2	.0	.0	.2	.5	.6	.4
255.	.2	.2	.2	.5	.1	.2	.1	.4	.5	.5	.6	.7	.2	.2	.0	.0	.2	.5	.5	.4
260.	.2	.2	.2	.7	.3	.3	.1	.4	.5	.5	.7	.7	.2	.2	.0	.0	.2	.4	.3	.4
265.	.2	.2	.2	.6	.5	.3	.3	.3	.3	.4	.7	.5	.2	.2	.0	.0	.0	.4	.3	.3
270.	.2	.2	.2	.6	.5	.4	.3	.2	.4	.4	.5	.5	.2	.2	.0	.0	.0	.3	.3	.3
275.	.2	.2	.4	.9	.5	.4	.4	.2	.3	.3	.5	.5	.2	.2	.0	.0	.0	.2	.2	.2
280.	.2	.2	.5	.8	.5	.5	.4	.1	.1	.3	.5	.5	.2	.2	.0	.0	.0	.1	.1	.1
285.	.2	.2	.5	.7	.5	.5	.5	.0	.1	.2	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0
290.	.2	.2	.4	.7	.4	.6	.5	.0	.1	.2	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0
295.	.2	.2	.6	.4	.5	.6	.5	.0	.1	.2	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0
300.	.2	.2	.6	.4	.6	.6	.5	.0	.1	.2	.5	.5	.2	.3	.0	.0	.0	.0	.0	.0
305.	.2	.2	.6	.5	.6	.6	.4	.0	.0	.2	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0
310.	.2	.2	.7	.5	.6	.6	.4	.0	.0	.2	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0
315.	.2	.2	.7	.8	.6	.5	.3	.0	.0	.2	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0
320.	.2	.2	.7	.8	.6	.4	.3	.0	.0	.2	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0
325.	.2	.2	.7	.7	.6	.4	.3	.0	.0	.1	.5	.4	.2	.3	.0	.0	.0	.0	.0	.0
330.	.2	.3	.8	.8	.6	.4	.3	.0	.0	.1	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0
335.	.2	.2	.8	.8	.6	.4	.3	.0	.0	.0	.4	.3	.2	.2	.0	.1	.1	.1	.0	.0
340.	.2	.3	.6	.7	.4	.4	.3	.0	.0	.0	.4	.3	.2	.2	.0	.1	.1	.2	.0	.0
345.	.2	.4	.6	.7	.4	.4	.3	.0	.0	.0	.4	.2	.3	.2	.1	.1	.1	.2	.0	.0
350.	.2	.3	.7	.7	.4	.4	.4	.0	.0	.0	.3	.2	.3	.2	.1	.1	.2	.2	.0	.0
355.	.1	.3	.6	.6	.4	.4	.4	.0	.0	.0	.3	.2	.3	.2	.1	.3	.3	.4	.0	.0
360.	.0	.1	.6	.6	.4	.4	.3	.0	.0	.0	.2	.2	.1	.2	.4	.3	.3	.5	.0	.0
MAX	.2	.4	.8	.9	.6	.6	.5	.4	.5	.6	.7	.7	.5	.3	.5	.8	1.0	.9	.6	.5
DEGR.	180	345	330	275	300	290	55	90	100	95	260	220	200	175	160	150	105	15	125	105

1

JOB: S9 Eastern & Patterson NBPM35 RUN: Site 9 No Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.3	.4	.4	.6	.4	.4	.1
5.	.0	.3	.4	.4	.8	.5	.3	.1
10.	.0	.3	.4	.4	.8	.4	.3	.1
15.	.0	.3	.3	.6	.8	.4	.2	.2
20.	.0	.3	.4	.6	.7	.6	.2	.2
25.	.0	.3	.4	.6	.6	.5	.3	.2
30.	.0	.3	.4	.6	.7	.6	.3	.2
35.	.0	.3	.4	.6	.7	.6	.2	.2
40.	.0	.3	.5	.6	.6	.7	.2	.2
45.	.0	.3	.5	.6	.6	.7	.2	.2
50.	.0	.4	.5	.6	.4	.6	.2	.2
55.	.0	.4	.5	.6	.4	.6	.2	.2
60.	.0	.4	.5	.5	.5	.6	.2	.2
65.	.0	.4	.5	.6	.5	.6	.2	.2
70.	.0	.4	.5	.6	.5	.4	.3	.2
75.	.1	.3	.5	.5	.6	.4	.2	.2
80.	.1	.4	.6	.4	.6	.4	.2	.2
85.	.3	.3	.3	.4	.6	.3	.2	.2
90.	.4	.3	.2	.4	.6	.2	.2	.2
95.	.4	.1	.2	.3	.5	.2	.2	.2
100.	.3	.0	.0	.2	.5	.2	.2	.2
105.	.3	.0	.0	.1	.4	.2	.2	.2
110.	.4	.0	.0	.1	.4	.2	.2	.2
115.	.4	.0	.0	.1	.5	.2	.2	.2
120.	.4	.0	.0	.1	.5	.1	.2	.2
125.	.4	.0	.0	.0	.5	.1	.2	.2
130.	.4	.0	.0	.0	.4	.1	.2	.2
135.	.4	.0	.0	.0	.4	.1	.2	.2
140.	.3	.0	.0	.0	.4	.1	.2	.2
145.	.3	.0	.0	.0	.4	.1	.2	.2
150.	.3	.0	.0	.0	.3	.2	.2	.2
155.	.3	.0	.0	.0	.2	.2	.2	.2
160.	.3	.0	.0	.0	.2	.2	.2	.2
165.	.3	.0	.0	.0	.1	.2	.2	.2
170.	.3	.0	.0	.0	.1	.2	.2	.1
175.	.3	.0	.0	.0	.1	.1	.1	.1
180.	.3	.0	.0	.0	.1	.1	.1	.1
185.	.3	.0	.0	.0	.1	.1	.1	.1
190.	.3	.0	.0	.0	.0	.0	.0	.0
195.	.3	.0	.0	.0	.0	.0	.0	.0
200.	.3	.0	.0	.0	.0	.0	.0	.0
205.	.3	.0	.0	.0	.0	.0	.0	.0

1

JOB: S9 Eastern & Patterson NBPM35 RUN: Site 9 No Build PM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.3	.0	.0	.0	.0	.0	.0	.0
215.	.4	.0	.0	.0	.0	.0	.0	.0
220.	.4	.0	.0	.0	.0	.0	.0	.0
225.	.4	.0	.0	.0	.0	.0	.0	.0
230.	.4	.0	.0	.0	.0	.0	.0	.0
235.	.4	.0	.0	.0	.0	.0	.0	.0
240.	.4	.0	.0	.0	.0	.0	.0	.0
245.	.4	.0	.0	.0	.0	.0	.0	.0
250.	.4	.0	.1	.0	.0	.0	.0	.0
255.	.4	.1	.1	.1	.0	.0	.0	.0
260.	.4	.2	.2	.2	.3	.0	.0	.0
265.	.3	.3	.3	.3	.3	.0	.0	.0
270.	.2	.3	.3	.3	.4	.0	.0	.0
275.	.2	.3	.5	.5	.5	.2	.0	.0
280.	.1	.5	.5	.5	.6	.2	.0	.0
285.	.0	.5	.5	.6	.6	.2	.0	.0
290.	.0	.4	.6	.6	.5	.2	.1	.0
295.	.0	.4	.5	.6	.5	.2	.1	.0
300.	.0	.4	.5	.5	.5	.1	.0	.0
305.	.0	.4	.5	.5	.4	.2	.0	.0
310.	.0	.3	.4	.4	.4	.2	.0	.0
315.	.0	.3	.4	.4	.4	.2	.0	.0
320.	.0	.3	.4	.4	.4	.2	.0	.0
325.	.0	.3	.4	.4	.4	.2	.0	.0
330.	.0	.3	.4	.4	.4	.2	.0	.0
335.	.0	.3	.4	.4	.4	.2	.0	.0

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340.  *    .0    .3    .3    .4    .3    .2    .0    .0
345.  *    .0    .3    .4    .4    .5    .2    .0    .0
350.  *    .0    .3    .4    .4    .5    .4    .0    .1
355.  *    .0    .3    .4    .4    .5    .4    .2    .1
360.  *    .0    .3    .4    .4    .6    .4    .4    .1
------*-----------------------------------------------
MAX   *    .4    .5    .6    .6    .8    .7    .4    .2
DEGR. *   90   280    80    15     5    40     0    15

THE HIGHEST CONCENTRATION IS    1.00 PPM AT  105 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS     .90 PPM AT  275 DEGREES FROM REC4 .
THE 3RD HIGHEST CONCENTRATION IS     .90 PPM AT   15 DEGREES FROM REC18.
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S10 Boston & Old Boston BDAM21          60.0321.0.0000.000240.30480000    1    1
SE MID S                 1855.     1773.       5.0
SE 164 S                 1729.     1780.       5.0
SE 82 S                  1649.     1801.       5.0
SE CNR                   1587.     1837.       5.0
SE 82 E                  1630.     1910.       5.0
SE 164 E                 1664.     1985.       5.0
SE MID E                 1685.     2156.       5.0
NE MID E                 1604.     2166.       5.0
NE 164 E                 1594.     2092.       5.0
NE 82 E                  1555.     2014.       5.0
NE CNR                   1499.     1952.       5.0
NE 82 N                  1458.     2002.       5.0
NW 82 N                  1404.     1940.       5.0
NW CNR                   1440.     1891.       5.0
NW 82 W                  1375.     1860.       5.0
NW 164 W                 1291.     1853.       5.0
NW MID W                 1121.     1860.       5.0
SW MID W                 1116.     1736.       5.0
SW 164 W                 1393.     1726.       5.0
SW 82 W                  1471.     1751.       5.0
SW CNR                   1546.     1791.       5.0
SW 82 S                  1624.     1752.       5.0
SW 164 S                 1704.     1730.       5.0
SW MID S                 1845.     1721.       5.0
Site 10 Build AM 2021                    45  1   0
  1
EB        Bos ap    AG   539.  1791.   635.  1785.    910. 8.1   0  44   35.
  1
EB        Bos ap    AG   635.  1785.   741.  1773.    910. 8.1   0  44   35.
  1
EB        Bos ap    AG   741.  1773.  1256.  1754.    910. 8.1   0  44   35.
  1
EB        Bos thru  AG  1256.  1754.  1359.  1755.    330. 8.1   0  44   35.
  1
EB        Bos thru  AG  1359.  1755.  1493.  1793.    330. 8.1   0  44   35.
  2
EB        Bos thru  AG  1463.  1785.  1369.  1758.      0.  24   2
       150       103       2.0  330   43.6 1783 1 3
  1
EB        Bos left  AG  1256.  1754.  1348.  1769.    105. 8.1   0  32   35.
  1
EB        Bos left  AG  1348.  1769.  1480.  1804.    105. 8.1   0  32   35.
  2
EB        Bos left  AG  1455.  1797.  1356.  1771.      0.  12   1
       150       131       2.0  105   43.6 1783 1 3
  1
EB        Bos right AG  1256.  1754.  1363.  1739.    475. 8.1   0  32   35.
  1
EB        Bos right AG  1363.  1739.  1473.  1768.    475. 8.1   0  32   35.
  2
EB        Bos right AG  1464.  1766.  1375.  1742.      0.  12   1
       150        44       2.0  475   43.6 1595 1 3
  1
EB        Bos right AG  1473.  1768.  1543.  1813.    475. 8.1   0  32   35.
  1
EB        Bos dep   AG  1493.  1793.  1580.  1875.    435. 8.1   0  44   35.
  1
EB        Bos dep   AG  1580.  1875.  1629.  1948.    435. 8.1   0  44   35.
  1
EB        Bos dep   AG  1629.  1948.  1653.  2029.    435. 8.1   0  44   35.
  1
EB        Bos dep   AG  1653.  2029.  1661.  2113.    435. 8.1   0  44   35.
  1
EB        Bos dep   AG  1661.  2113.  1690.  2826.    435. 8.1   0  44   35.
  1
WB        Bos ap    AG  1660.  2832.  1631.  2131.    760. 8.1   0  56   35.
  1
WB        Bos ap    AG  1631.  2131.  1613.  2039.    760. 8.1   0  56   35.
  1
WB        Bos thru  AG  1613.  2039.  1573.  1982.    385. 8.1   0  44   35.
  1
WB        Bos thru  AG  1573.  1982.  1494.  1896.    385. 8.1   0  44   35.
  2
WB        Bos thru  AG  1521.  1925.  1567.  1975.      0.  24   2
       150        99       2.0  385   43.6 1783 1 3
  1
WB        Bos left  AG  1613.  2039.  1589.  1975.     15. 8.1   0  32   35.
  1
WB        Bos left  AG  1589.  1975.  1505.  1884.     15. 8.1   0  32   35.
  2
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WB        Bos left  AG  1532.  1914.  1583.  1968.      0.  12   1
       150       135       2.0   15   43.6 1783 1 3
  1
WB        Bos right AG  1613.  2039.  1560.  1991.    360. 8.1   0  32   35.
  1
WB        Bos right AG  1560.  1991.  1485.  1908.    360. 8.1   0  32   35.
  2
WB        Bos right AG  1510.  1936.  1553.  1983.      0.  12   1
       150       135       2.0  360   43.6 1595 1 3
  1
WB        Bos dep   AG  1494.  1896.  1437.  1858.    890. 8.1   0  44   35.
  1
WB        Bos dep   AG  1437.  1858.  1364.  1835.    890. 8.1   0  44   35.
  1
WB        Bos dep   AG  1364.  1835.  1286.  1832.    890. 8.1   0  44   35.
  1
WB        Bos dep   AG  1286.  1832.   536.  1861.    890. 8.1   0  44   35.
  1
NB        OB ap     AG  2532.  1737.  1742.  1758.    545. 8.1   0  32   35.
  1
NB        OB ap     AG  1742.  1758.  1656.  1776.    545. 8.1   0  32   35.
  1
NB        OB ap     AG  1656.  1776.  1559.  1826.    545. 8.1   0  32   35.
  2
NB        OB ap     AG  1582.  1815.  1650.  1780.      0.  12   1
       150        88       2.0  545   43.6 1791 1 3
  1
NB        OB dep    AG  1559.  1826.  1455.  1945.    515. 8.1   0  32   35.
  1
NB        OB dep    AG  1455.  1945.  1310.  2133.    515. 8.1   0  32   35.
  1
SB        OB ap     AG  1302.  2122.  1472.  1895.    130. 8.1   0  44   35.
  2
SB        OB ap     AG  1451.  1924.  1373.  2028.      0.  24   2
       150       138       2.0  130   43.6 1742 1 3
  1
SB        OB dep1   AG  1472.  1895.  1543.  1813.     15. 8.1   0  32   35.
  1
SB        OB dep2   AG  1543.  1813.  1646.  1764.    505. 8.1   0  32   35.
  1
SB        OB dep2   AG  1646.  1764.  1747.  1742.    505. 8.1   0  32   35.
  1
SB        OB dep2   AG  1747.  1742.  2526.  1720.    505. 8.1   0  32   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S10 Boston & Old Boston BDAM21 RUN: Site 10 Build AM 2021
DATE: 09/04/2012 TIME: 14:41:02.32

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Bos ap	*	539.0	1791.0	635.0	1785.0	*	96.	94.	AG	910.	8.1	.0	44.0		
2. EB	Bos ap	*	635.0	1785.0	741.0	1773.0	*	107.	96.	AG	910.	8.1	.0	44.0		
3. EB	Bos ap	*	741.0	1773.0	1256.0	1754.0	*	515.	92.	AG	910.	8.1	.0	44.0		
4. EB	Bos thru	*	1256.0	1754.0	1359.0	1755.0	*	103.	89.	AG	330.	8.1	.0	44.0		
5. EB	Bos thru	*	1359.0	1755.0	1493.0	1793.0	*	139.	74.	AG	330.	8.1	.0	44.0		
6. EB	Bos thru	*	1463.0	1785.0	1373.7	1759.3	*	93.	254.	AG	161.	100.0	.0	24.0	.32	4.7
7. EB	Bos left	*	1256.0	1754.0	1348.0	1769.0	*	93.	81.	AG	105.	8.1	.0	32.0		
8. EB	Bos left	*	1348.0	1769.0	1480.0	1804.0	*	137.	75.	AG	105.	8.1	.0	32.0		
9. EB	Bos left	*	1455.0	1797.0	1382.1	1777.9	*	75.	255.	AG	102.	100.0	.0	12.0	.59	3.8
10. EB	Bos right	*	1256.0	1754.0	1363.0	1739.0	*	108.	98.	AG	475.	8.1	.0	32.0		
11. EB	Bos right	*	1363.0	1739.0	1473.0	1768.0	*	114.	75.	AG	475.	8.1	.0	32.0		
12. EB	Bos right	*	1464.0	1766.0	1353.7	1736.2	*	114.	255.	AG	34.	100.0	.0	12.0	.44	5.8
13. EB	Bos right	*	1473.0	1768.0	1543.0	1813.0	*	83.	57.	AG	475.	8.1	.0	32.0		
14. EB	Bos dep	*	1493.0	1793.0	1580.0	1875.0	*	120.	47.	AG	435.	8.1	.0	44.0		
15. EB	Bos dep	*	1580.0	1875.0	1629.0	1948.0	*	88.	34.	AG	435.	8.1	.0	44.0		
16. EB	Bos dep	*	1629.0	1948.0	1653.0	2029.0	*	84.	17.	AG	435.	8.1	.0	44.0		
17. EB	Bos dep	*	1653.0	2029.0	1661.0	2113.0	*	84.	5.	AG	435.	8.1	.0	44.0		
18. EB	Bos dep	*	1661.0	2113.0	1690.0	2826.0	*	714.	2.	AG	435.	8.1	.0	44.0		
19. WB	Bos ap	*	1660.0	2832.0	1631.0	2131.0	*	702.	182.	AG	760.	8.1	.0	56.0		
20. WB	Bos ap	*	1631.0	2131.0	1613.0	2039.0	*	94.	191.	AG	760.	8.1	.0	56.0		
21. WB	Bos thru	*	1613.0	2039.0	1573.0	1982.0	*	70.	215.	AG	385.	8.1	.0	44.0		
22. WB	Bos thru	*	1573.0	1982.0	1494.0	1896.0	*	117.	223.	AG	385.	8.1	.0	44.0		
23. WB	Bos thru	*	1521.0	1925.0	1591.4	2001.5	*	104.	43.	AG	154.	100.0	.0	24.0	.34	5.3
24. WB	Bos left	*	1613.0	2039.0	1589.0	1975.0	*	68.	201.	AG	15.	8.1	.0	32.0		
25. WB	Bos left	*	1589.0	1975.0	1505.0	1884.0	*	124.	223.	AG	15.	8.1	.0	32.0		
26. WB	Bos left	*	1532.0	1914.0	1539.6	1922.1	*	11.	43.	AG	105.	100.0	.0	12.0	.12	.6
27. WB	Bos right	*	1613.0	2039.0	1560.0	1991.0	*	72.	228.	AG	360.	8.1	.0	32.0		
28. WB	Bos right	*	1560.0	1991.0	1485.0	1908.0	*	112.	222.	AG	360.	8.1	.0	32.0		
29. WB	Bos right	*	1510.0	1936.0	3420.4	4024.1	*	2830.	42.	AG	105.	100.0	.0	12.0	3.10	143.8
30. WB	Bos dep	*	1494.0	1896.0	1437.0	1858.0	*	69.	236.	AG	890.	8.1	.0	44.0		
31. WB	Bos dep	*	1437.0	1858.0	1364.0	1835.0	*	77.	253.	AG	890.	8.1	.0	44.0		
32. WB	Bos dep	*	1364.0	1835.0	1286.0	1832.0	*	78.	268.	AG	890.	8.1	.0	44.0		
33. WB	Bos dep	*	1286.0	1832.0	536.0	1861.0	*	751.	272.	AG	890.	8.1	.0	44.0		
34. NB	OB ap	*	2532.0	1737.0	1742.0	1758.0	*	790.	272.	AG	545.	8.1	.0	32.0		
35. NB	OB ap	*	1742.0	1758.0	1656.0	1776.0	*	88.	282.	AG	545.	8.1	.0	32.0		
36. NB	OB ap	*	1656.0	1776.0	1559.0	1826.0	*	109.	297.	AG	545.	8.1	.0	32.0		
37. NB	OB ap	*	1582.0	1815.0	1815.2	1695.0	*	262.	117.	AG	69.	100.0	.0	12.0	.79	13.3
38. NB	OB dep	*	1559.0	1826.0	1455.0	1945.0	*	158.	319.	AG	515.	8.1	.0	32.0		
39. NB	OB dep	*	1455.0	1945.0	1310.0	2133.0	*	237.	322.	AG	515.	8.1	.0	32.0		
40. SB	OB ap	*	1302.0	2122.0	1472.0	1895.0	*	284.	143.	AG	130.	8.1	.0	44.0		
41. SB	OB ap	*	1451.0	1924.0	1418.2	1967.7	*	55.	323.	AG	215.	100.0	.0	24.0	.71	2.8
42. SB	OB dep1	*	1472.0	1895.0	1543.0	1813.0	*	108.	139.	AG	15.	8.1	.0	32.0		
43. SB	OB dep2	*	1543.0	1813.0	1646.0	1764.0	*	114.	115.	AG	505.	8.1	.0	32.0		
44. SB	OB dep2	*	1646.0	1764.0	1747.0	1742.0	*	103.	102.	AG	505.	8.1	.0	32.0		

JOB: S10 Boston & Old Boston BDAM21 RUN: Site 10 Build AM 2021
DATE: 09/04/2012 TIME: 14:41:02.32

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	OB dep2	*	1747.0	1742.0	2526.0	1720.0	*	779.	92.	AG	505.	8.1	.0	32.0		

JOB: S10 Boston & Old Boston BDAM21 RUN: Site 10 Build AM 2021
DATE: 09/04/2012 TIME: 14:41:02.32

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. EB	Bos thru	*	150	103	2.0	330	1783	43.60	1	3
9. EB	Bos left	*	150	131	2.0	105	1783	43.60	1	3
12. EB	Bos right	*	150	44	2.0	475	1595	43.60	1	3
23. WB	Bos thru	*	150	99	2.0	385	1783	43.60	1	3
26. WB	Bos left	*	150	135	2.0	15	1783	43.60	1	3
29. WB	Bos right	*	150	135	2.0	360	1595	43.60	1	3
37. NB	OB ap	*	150	88	2.0	545	1791	43.60	1	3
41. SB	OB ap	*	150	138	2.0	130	1742	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1855.0	1773.0	5.0
2. SE 164 S	1729.0	1780.0	5.0
3. SE 82 S	1649.0	1801.0	5.0
4. SE CNR	1587.0	1837.0	5.0
5. SE 82 E	1630.0	1910.0	5.0
6. SE 164 E	1664.0	1985.0	5.0
7. SE MID E	1685.0	2156.0	5.0
8. NE MID E	1604.0	2166.0	5.0
9. NE 164 E	1594.0	2092.0	5.0
10. NE 82 E	1555.0	2014.0	5.0
11. NE CNR	1499.0	1952.0	5.0
12. NE 82 N	1458.0	2002.0	5.0
13. NW 82 N	1404.0	1940.0	5.0
14. NW CNR	1440.0	1891.0	5.0
15. NW 82 W	1375.0	1860.0	5.0
16. NW 164 W	1291.0	1853.0	5.0
17. NW MID W	1121.0	1860.0	5.0
18. SW MID W	1116.0	1736.0	5.0
19. SW 164 W	1393.0	1726.0	5.0
20. SW 82 W	1471.0	1751.0	5.0
21. SW CNR	1546.0	1791.0	5.0
22. SW 82 S	1624.0	1752.0	5.0
23. SW 164 S	1704.0	1730.0	5.0
24. SW MID S	1845.0	1721.0	5.0

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JOB: S10 Boston & Old Boston BDAM21 RUN: Site 10 Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.1	.2	.4	.4	.5	.3	.2	.1	.1	.0	.0	.2	.5	.0	.0	.0	.4	.8	.6
5.	.1	.1	.2	.4	.4	.5	.3	.4	.4	.1	.0	.0	.2	.5	.0	.0	.0	.4	.9	.5
10.	.1	.1	.1	.4	.4	.5	.2	.4	.4	.1	.1	.0	.2	.4	.1	.0	.0	.3	.9	.5
15.	.1	.1	.1	.2	.3	.2	.1	.4	.4	.1	.1	.1	.3	.3	.1	.0	.0	.3	.9	.5
20.	.1	.1	.1	.2	.3	.1	.1	.4	.4	.3	.1	.1	.3	.4	.1	.0	.0	.3	.8	.6
25.	.1	.1	.1	.2	.3	.2	.1	.4	.4	.4	.2	.1	.5	.5	.1	.0	.0	.3	.9	.4
30.	.0	.1	.1	.2	.2	.2	.1	.4	.5	.3	.2	.1	.5	.4	.2	.0	.0	.3	.8	.4
35.	.0	.1	.1	.1	.1	.2	.2	.5	.4	.4	.2	.2	.7	.5	.3	.0	.0	.4	.9	.3
40.	.0	.0	.1	.1	.1	.1	.3	.4	.5	.4	.5	.2	.6	.5	.2	.1	.0	.4	.8	.3
45.	.0	.0	.0	.1	.1	.1	.4	.4	.6	.5	.6	.1	.7	.4	.3	.2	.0	.5	.8	.3
50.	.0	.0	.0	.0	.0	.1	.4	.4	.6	.6	.6	.1	.8	.6	.5	.2	.1	.5	.7	.3
55.	.0	.0	.0	.0	.0	.0	.4	.5	.6	.6	.7	.2	.8	.8	.4	.2	.1	.5	.5	.2
60.	.0	.0	.0	.0	.0	.0	.4	.5	.4	.7	.8	.2	.8	.8	.5	.2	.1	.5	.4	.1
65.	.0	.0	.0	.0	.0	.0	.4	.4	.4	.7	.9	.1	.8	.7	.4	.4	.2	.3	.3	.1
70.	.1	.0	.0	.0	.0	.0	.3	.4	.4	.6	.8	.1	.8	.5	.5	.3	.2	.3	.2	.1
75.	.1	.1	.0	.0	.0	.0	.3	.4	.4	.5	.8	.1	.8	.5	.4	.2	.1	.3	.1	.2
80.	.1	.1	.0	.0	.0	.0	.3	.4	.4	.5	.9	.2	.8	.4	.3	.2	.1	.3	.1	.1
85.	.3	.2	.1	.0	.0	.0	.3	.4	.5	.5	.9	.2	.7	.4	.3	.3	.2	.3	.0	.1
90.	.3	.3	.1	.0	.0	.0	.3	.4	.5	.6	.9	.2	.8	.3	.3	.3	.2	.2	.0	.1
95.	.3	.3	.2	.1	.0	.0	.3	.4	.5	.6	.9	.2	.8	.3	.4	.3	.3	.2	.0	.0
100.	.4	.3	.3	.1	.0	.0	.3	.4	.5	.6	.9	.2	.6	.3	.4	.3	.3	.2	.0	.0
105.	.4	.3	.4	.2	.0	.0	.3	.4	.5	.6	.8	.3	.6	.3	.3	.5	.3	.1	.0	.0
110.	.3	.3	.4	.3	.0	.0	.3	.4	.5	.7	.8	.3	.4	.3	.3	.5	.3	.1	.0	.0
115.	.3	.3	.5	.2	.0	.0	.3	.4	.5	.7	.7	.3	.5	.4	.3	.5	.3	.1	.0	.0
120.	.3	.4	.3	.2	.0	.0	.3	.4	.5	.7	.7	.3	.4	.4	.4	.5	.3	.0	.0	.0
125.	.3	.3	.4	.3	.0	.0	.3	.4	.5	.8	.7	.2	.4	.2	.4	.4	.4	.0	.0	.0
130.	.3	.4	.4	.3	.0	.0	.3	.4	.4	.8	.6	.2	.3	.2	.5	.4	.4	.0	.0	.0
135.	.3	.4	.5	.3	.0	.0	.3	.4	.4	.8	.7	.2	.2	.2	.4	.4	.4	.0	.0	.0
140.	.3	.4	.5	.5	.0	.0	.3	.3	.4	.8	.6	.2	.1	.2	.4	.4	.4	.0	.0	.0
145.	.3	.4	.5	.5	.0	.0	.3	.3	.4	.8	.4	.2	.1	.2	.5	.3	.4	.0	.0	.0
150.	.3	.5	.5	.5	.1	.0	.3	.3	.4	.7	.5	.2	.1	.2	.5	.2	.4	.0	.0	.0
155.	.3	.4	.5	.5	.1	.0	.3	.3	.4	.8	.5	.1	.2	.2	.5	.2	.3	.0	.0	.0
160.	.2	.3	.5	.5	.1	.0	.3	.3	.4	.8	.5	.1	.3	.3	.6	.2	.3	.0	.0	.0
165.	.2	.3	.5	.5	.1	.0	.3	.3	.3	.8	.3	.3	.2	.3	.6	.2	.3	.0	.0	.0
170.	.3	.3	.5	.3	.1	.0	.3	.3	.4	.8	.3	.3	.2	.3	.4	.2	.3	.0	.0	.0
175.	.3	.3	.4	.3	.1	.0	.3	.3	.4	.9	.4	.3	.2	.5	.4	.2	.3	.0	.0	.0
180.	.3	.3	.4	.3	.1	.0	.4	.4	.4	.9	.4	.6	.2	.5	.3	.3	.4	.0	.0	.0
185.	.3	.4	.4	.3	.1	.0	.5	.4	.4	.8	.4	.5	.2	.4	.3	.3	.4	.0	.0	.0
190.	.3	.4	.4	.3	.1	.0	.5	.3	.5	.8	.5	.4	.2	.4	.4	.2	.3	.0	.0	.0
195.	.2	.4	.4	.3	.0	.1	.5	.3	.5	.8	.4	.5	.1	.4	.3	.2	.3	.0	.0	.0
200.	.2	.4	.5	.3	.0	.1	.6	.2	.5	.7	.4	.4	.1	.5	.3	.2	.3	.0	.0	.0
205.	.2	.3	.5	.2	.0	.1	.7	.2	.2	.6	.4	.4	.1	.5	.3	.4	.3	.0	.0	.0

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JOB: S10 Boston & Old Boston BDAM21 RUN: Site 10 Build AM 2021

WIND ANGLE * CONCENTRATION (PPM)

(DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.3	.3	.5	.2	.1	.2	.7	.0	.2	.6	.4	.4	.1	.4	.2	.4	.3	.0	.0	.0
215.	.3	.3	.5	.2	.1	.2	.6	.0	.2	.5	.5	.4	.1	.4	.3	.4	.4	.0	.0	.0
220.	.4	.4	.4	.2	.2	.2	.5	.0	.2	.4	.3	.4	.1	.3	.3	.4	.4	.0	.0	.0
225.	.4	.4	.4	.2	.2	.2	.5	.0	.1	.3	.4	.3	.1	.3	.3	.4	.4	.0	.0	.0
230.	.4	.4	.4	.3	.3	.2	.3	.0	.1	.2	.3	.3	.2	.3	.4	.4	.4	.0	.0	.0
235.	.4	.4	.5	.5	.3	.2	.4	.0	.1	.1	.2	.3	.2	.3	.4	.5	.4	.0	.0	.0
240.	.4	.4	.5	.5	.3	.2	.4	.0	.0	.1	.3	.4	.2	.3	.5	.5	.4	.0	.0	.1
245.	.4	.4	.5	.5	.3	.2	.3	.0	.0	.2	.5	.3	.2	.4	.5	.4	.5	.1	.0	.1
250.	.4	.4	.5	.5	.1	.4	.3	.0	.0	.2	.5	.2	.2	.4	.5	.4	.5	.1	.0	.1
255.	.4	.4	.6	.4	.1	.4	.2	.0	.0	.2	.5	.2	.1	.4	.5	.5	.5	.1	.0	.3
260.	.4	.4	.6	.6	.2	.5	.2	.0	.0	.1	.5	.2	.1	.2	.6	.5	.5	.2	.1	.5
265.	.3	.4	.6	.6	.2	.4	.2	.0	.0	.0	.5	.1	.1	.1	.4	.5	.4	.2	.2	.6
270.	.2	.3	.7	.3	.4	.4	.2	.0	.0	.0	.4	.1	.1	.1	.3	.4	.4	.3	.3	.8
275.	.2	.3	.6	.3	.3	.4	.2	.0	.0	.0	.3	.1	.0	.1	.2	.3	.3	.3	.4	.9
280.	.1	.3	.5	.4	.3	.3	.2	.0	.0	.0	.3	.1	.0	.0	.2	.3	.2	.5	.5	1.0
285.	.1	.3	.4	.3	.4	.3	.2	.0	.0	.0	.3	.1	.0	.0	.1	.2	.2	.5	.6	1.0
290.	.0	.2	.2	.3	.4	.3	.2	.0	.0	.0	.2	.1	.0	.0	.0	.1	.1	.5	.6	1.0
295.	.0	.0	.3	.4	.4	.3	.2	.0	.0	.0	.2	.1	.0	.0	.0	.1	.1	.5	.6	1.0
300.	.0	.0	.2	.3	.4	.2	.2	.0	.0	.0	.2	.1	.0	.0	.0	.1	.1	.4	.5	.9
305.	.0	.0	.2	.3	.4	.2	.2	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.4	.4	.9
310.	.0	.1	.1	.3	.4	.2	.3	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.4	.4	.9
315.	.0	.1	.1	.4	.4	.3	.3	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.4	.5	.8
320.	.0	.1	.1	.3	.4	.3	.3	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.4	.4	.8
325.	.0	.0	.1	.2	.3	.3	.4	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.4	.5	.8
330.	.0	.0	.2	.3	.3	.3	.4	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.4	.6	.8
335.	.0	.1	.2	.3	.3	.3	.4	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.3	.6	.7
340.	.0	.1	.2	.3	.3	.5	.4	.1	.0	.0	.0	.0	.1	.4	.0	.0	.0	.3	.6	.7
345.	.0	.1	.2	.3	.3	.5	.4	.1	.0	.0	.0	.0	.1	.5	.0	.0	.0	.3	.7	.6
350.	.0	.1	.1	.4	.4	.6	.4	.1	.1	.0	.0	.0	.1	.5	.0	.0	.0	.3	.8	.6
355.	.0	.1	.2	.3	.4	.6	.3	.2	.1	.0	.0	.0	.1	.5	.0	.0	.0	.3	.8	.6
360.	.0	.1	.2	.4	.4	.5	.3	.2	.1	.1	.0	.0	.2	.5	.0	.0	.0	.4	.8	.6
MAX	.4	.5	.7	.6	.4	.6	.7	.5	.6	.9	.9	.6	.8	.8	.6	.5	.5	.5	.9	1.0
DEGR.	100	150	270	260	0	350	205	35	45	175	80	180	50	55	160	105	245	45	5	280

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JOB: S10 Boston & Old Boston BDAM21 RUN: Site 10 Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC21	REC22	REC23	REC24
0.	.6	.4	.5	.2
5.	.5	.4	.5	.2
10.	.6	.4	.5	.2
15.	.5	.4	.5	.3
20.	.6	.4	.5	.3
25.	.4	.4	.5	.3
30.	.4	.4	.5	.2
35.	.3	.4	.5	.2
40.	.3	.4	.4	.3
45.	.3	.3	.4	.3
50.	.2	.5	.5	.3
55.	.3	.5	.5	.3
60.	.4	.4	.6	.3
65.	.4	.4	.5	.3
70.	.4	.4	.5	.3
75.	.4	.5	.5	.4
80.	.4	.6	.5	.3
85.	.4	.5	.5	.3
90.	.5	.5	.5	.3
95.	.6	.5	.5	.3
100.	.6	.4	.4	.2
105.	.4	.3	.2	.1
110.	.2	.2	.2	.1
115.	.2	.2	.1	.0
120.	.2	.0	.1	.0
125.	.1	.0	.0	.0
130.	.0	.0	.0	.0
135.	.0	.0	.0	.0
140.	.0	.0	.0	.0
145.	.0	.0	.0	.0
150.	.0	.0	.0	.0
155.	.0	.0	.0	.0
160.	.0	.0	.0	.0
165.	.0	.0	.0	.0
170.	.0	.0	.0	.0
175.	.0	.0	.0	.0
180.	.0	.0	.0	.0
185.	.0	.0	.0	.0
190.	.0	.0	.0	.0
195.	.0	.0	.0	.0

200.	*	.0	.0	.0	.0
205.	*	.0	.0	.0	.0

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JOB: S10 Boston & Old Boston BDAM21 RUN: Site 10 Build AM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24
210.	*	.0	.0	.0	.0
215.	*	.0	.0	.0	.0
220.	*	.0	.0	.0	.0
225.	*	.0	.0	.0	.0
230.	*	.0	.0	.0	.1
235.	*	.1	.0	.0	.1
240.	*	.2	.0	.0	.1
245.	*	.2	.0	.0	.1
250.	*	.3	.0	.0	.1
255.	*	.5	.0	.0	.1
260.	*	.6	.0	.0	.2
265.	*	.7	.1	.0	.2
270.	*	.8	.1	.0	.2
275.	*	.5	.2	.0	.2
280.	*	.5	.2	.1	.4
285.	*	.4	.2	.1	.4
290.	*	.3	.2	.3	.4
295.	*	.2	.1	.4	.4
300.	*	.2	.1	.4	.4
305.	*	.3	.1	.5	.3
310.	*	.3	.2	.6	.3
315.	*	.4	.4	.5	.3
320.	*	.5	.5	.5	.3
325.	*	.5	.4	.4	.3
330.	*	.5	.5	.4	.2
335.	*	.5	.5	.4	.2
340.	*	.4	.5	.4	.2
345.	*	.5	.5	.5	.2
350.	*	.6	.5	.5	.2
355.	*	.6	.4	.5	.2
360.	*	.6	.4	.5	.2
MAX	*	.8	.6	.6	.4
DEGR.	*	270	80	60	75

THE HIGHEST CONCENTRATION IS 1.00 PPM AT 280 DEGREES FROM REC20.
THE 2ND HIGHEST CONCENTRATION IS .90 PPM AT 5 DEGREES FROM REC19.
THE 3RD HIGHEST CONCENTRATION IS .90 PPM AT 175 DEGREES FROM REC10.

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S10 Boston & Old Boston BDAM35          60.0321.0.0000.000240.30480000    1    1
SE MID S                 1855.     1773.       5.0
SE 164 S                 1729.     1780.       5.0
SE 82 S                  1649.     1801.       5.0
SE CNR                   1587.     1837.       5.0
SE 82 E                  1630.     1910.       5.0
SE 164 E                 1664.     1985.       5.0
SE MID E                 1685.     2156.       5.0
NE MID E                 1604.     2166.       5.0
NE 164 E                 1594.     2092.       5.0
NE 82 E                  1555.     2014.       5.0
NE CNR                   1499.     1952.       5.0
NE 82 N                  1458.     2002.       5.0
NW 82 N                  1404.     1940.       5.0
NW CNR                   1440.     1891.       5.0
NW 82 W                  1375.     1860.       5.0
NW 164 W                 1291.     1853.       5.0
NW MID W                 1121.     1860.       5.0
SW MID W                 1116.     1736.       5.0
SW 164 W                 1393.     1726.       5.0
SW 82 W                  1471.     1751.       5.0
SW CNR                   1546.     1791.       5.0
SW 82 S                  1624.     1752.       5.0
SW 164 S                 1704.     1730.       5.0
SW MID S                 1845.     1721.       5.0
Site 10 Build AM 2035                    45  1   0
  1
EB        Bos ap    AG   539.  1791.   635.  1785.   1350. 7.8   0  44   35.
  1
EB        Bos ap    AG   635.  1785.   741.  1773.   1350. 7.8   0  44   35.
  1
EB        Bos ap    AG   741.  1773.  1256.  1754.   1350. 7.8   0  44   35.
  1
EB        Bos thru  AG  1256.  1754.  1359.  1755.    515. 7.8   0  44   35.
  1
EB        Bos thru  AG  1359.  1755.  1493.  1793.    515. 7.8   0  44   35.
  2
EB        Bos thru  AG  1463.  1785.  1369.  1758.      0.  24   2
       150       112       2.0  515   42.1 1783 1 3
  1
EB        Bos left  AG  1256.  1754.  1348.  1769.    105. 7.8   0  32   35.
  1
EB        Bos left  AG  1348.  1769.  1480.  1804.    105. 7.8   0  32   35.
  2
EB        Bos left  AG  1455.  1797.  1356.  1771.      0.  12   1
       150       133       2.0  105   42.1 1783 1 3
  1
EB        Bos right AG  1256.  1754.  1363.  1739.    730. 7.8   0  32   35.
  1
EB        Bos right AG  1363.  1739.  1473.  1768.    730. 7.8   0  32   35.
  2
EB        Bos right AG  1464.  1766.  1375.  1742.      0.  12   1
       150        40       2.0  730   42.1 1595 1 3
  1
EB        Bos right AG  1473.  1768.  1543.  1813.    730. 7.8   0  32   35.
  1
EB        Bos dep   AG  1493.  1793.  1580.  1875.    620. 7.8   0  44   35.
  1
EB        Bos dep   AG  1580.  1875.  1629.  1948.    620. 7.8   0  44   35.
  1
EB        Bos dep   AG  1629.  1948.  1653.  2029.    620. 7.8   0  44   35.
  1
EB        Bos dep   AG  1653.  2029.  1661.  2113.    620. 7.8   0  44   35.
  1
EB        Bos dep   AG  1661.  2113.  1690.  2826.    620. 7.8   0  44   35.
  1
WB        Bos ap    AG  1660.  2832.  1631.  2131.    795. 7.8   0  56   35.
  1
WB        Bos ap    AG  1631.  2131.  1613.  2039.    795. 7.8   0  56   35.
  1
WB        Bos thru  AG  1613.  2039.  1573.  1982.    420. 7.8   0  44   35.
  1
WB        Bos thru  AG  1573.  1982.  1494.  1896.    420. 7.8   0  44   35.
  2
WB        Bos thru  AG  1521.  1925.  1567.  1975.      0.  24   2
       150       108       2.0  420   42.1 1783 1 3
  1
WB        Bos left  AG  1613.  2039.  1589.  1975.     15. 7.8   0  32   35.
  1
WB        Bos left  AG  1589.  1975.  1505.  1884.     15. 7.8   0  32   35.
  2
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WB        Bos left  AG  1532.  1914.  1583.  1968.      0.  12   1
       150       137       2.0   15   42.1 1783 1 3
  1
WB        Bos right AG  1613.  2039.  1560.  1991.    360. 7.8   0  32   35.
  1
WB        Bos right AG  1560.  1991.  1485.  1908.    360. 7.8   0  32   35.
  2
WB        Bos right AG  1510.  1936.  1553.  1983.      0.  12   1
       150       137       2.0  360   42.1 1595 1 3
  1
WB        Bos dep   AG  1494.  1896.  1437.  1858.   1040. 7.8   0  44   35.
  1
WB        Bos dep   AG  1437.  1858.  1364.  1835.   1040. 7.8   0  44   35.
  1
WB        Bos dep   AG  1364.  1835.  1286.  1832.   1040. 7.8   0  44   35.
  1
WB        Bos dep   AG  1286.  1832.   536.  1861.   1040. 7.8   0  44   35.
  1
NB        OB ap     AG  2532.  1737.  1742.  1758.    660. 7.8   0  32   35.
  1
NB        OB ap     AG  1742.  1758.  1656.  1776.    660. 7.8   0  32   35.
  1
NB        OB ap     AG  1656.  1776.  1559.  1826.    660. 7.8   0  32   35.
  2
NB        OB ap     AG  1582.  1815.  1650.  1780.      0.  12   1
       150        76       2.0  660   42.1 1791 1 3
  1
NB        OB dep    AG  1559.  1826.  1455.  1945.    515. 7.8   0  32   35.
  1
NB        OB dep    AG  1455.  1945.  1310.  2133.    515. 7.8   0  32   35.
  1
SB        OB ap     AG  1302.  2122.  1472.  1895.    130. 7.8   0  44   35.
  2
SB        OB ap     AG  1451.  1924.  1373.  2028.      0.  24   2
       150       140       2.0  130   42.1 1742 1 3
  1
SB        OB dep1   AG  1472.  1895.  1543.  1813.     30. 7.8   0  32   35.
  1
SB        OB dep2   AG  1543.  1813.  1646.  1764.    760. 7.8   0  32   35.
  1
SB        OB dep2   AG  1646.  1764.  1747.  1742.    760. 7.8   0  32   35.
  1
SB        OB dep2   AG  1747.  1742.  2526.  1720.    760. 7.8   0  32   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S10 Boston & Old Boston BDAM35 RUN: Site 10 Build AM 2035
DATE: 08/31/2012 TIME: 14:37:10.15

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Bos ap	*	539.0	1791.0	635.0	1785.0	*	96.	94.	AG	1350.	7.8	.0	44.0		
2. EB	Bos ap	*	635.0	1785.0	741.0	1773.0	*	107.	96.	AG	1350.	7.8	.0	44.0		
3. EB	Bos ap	*	741.0	1773.0	1256.0	1754.0	*	515.	92.	AG	1350.	7.8	.0	44.0		
4. EB	Bos thru	*	1256.0	1754.0	1359.0	1755.0	*	103.	89.	AG	515.	7.8	.0	44.0		
5. EB	Bos thru	*	1359.0	1755.0	1493.0	1793.0	*	139.	74.	AG	515.	7.8	.0	44.0		
6. EB	Bos thru	*	1463.0	1785.0	1311.7	1741.5	*	157.	254.	AG	169.	100.0	.0	24.0	.64	8.0
7. EB	Bos left	*	1256.0	1754.0	1348.0	1769.0	*	93.	81.	AG	105.	7.8	.0	32.0		
8. EB	Bos left	*	1348.0	1769.0	1480.0	1804.0	*	137.	75.	AG	105.	7.8	.0	32.0		
9. EB	Bos left	*	1455.0	1797.0	1377.4	1776.6	*	80.	255.	AG	100.	100.0	.0	12.0	.68	4.1
10. EB	Bos right	*	1256.0	1754.0	1363.0	1739.0	*	108.	98.	AG	730.	7.8	.0	32.0		
11. EB	Bos right	*	1363.0	1739.0	1473.0	1768.0	*	114.	75.	AG	730.	7.8	.0	32.0		
12. EB	Bos right	*	1464.0	1766.0	1309.8	1724.4	*	160.	255.	AG	30.	100.0	.0	12.0	.65	8.1
13. EB	Bos right	*	1473.0	1768.0	1543.0	1813.0	*	83.	57.	AG	730.	7.8	.0	32.0		
14. EB	Bos dep	*	1493.0	1793.0	1580.0	1875.0	*	120.	47.	AG	620.	7.8	.0	44.0		
15. EB	Bos dep	*	1580.0	1875.0	1629.0	1948.0	*	88.	34.	AG	620.	7.8	.0	44.0		
16. EB	Bos dep	*	1629.0	1948.0	1653.0	2029.0	*	84.	17.	AG	620.	7.8	.0	44.0		
17. EB	Bos dep	*	1653.0	2029.0	1661.0	2113.0	*	84.	5.	AG	620.	7.8	.0	44.0		
18. EB	Bos dep	*	1661.0	2113.0	1690.0	2826.0	*	714.	2.	AG	620.	7.8	.0	44.0		
19. WB	Bos ap	*	1660.0	2832.0	1631.0	2131.0	*	702.	182.	AG	795.	7.8	.0	56.0		
20. WB	Bos ap	*	1631.0	2131.0	1613.0	2039.0	*	94.	191.	AG	795.	7.8	.0	56.0		
21. WB	Bos thru	*	1613.0	2039.0	1573.0	1982.0	*	70.	215.	AG	420.	7.8	.0	44.0		
22. WB	Bos thru	*	1573.0	1982.0	1494.0	1896.0	*	117.	223.	AG	420.	7.8	.0	44.0		
23. WB	Bos thru	*	1521.0	1925.0	1605.0	2016.3	*	124.	43.	AG	163.	100.0	.0	24.0	.47	6.3
24. WB	Bos left	*	1613.0	2039.0	1589.0	1975.0	*	68.	201.	AG	15.	7.8	.0	32.0		
25. WB	Bos left	*	1589.0	1975.0	1505.0	1884.0	*	124.	223.	AG	15.	7.8	.0	32.0		
26. WB	Bos left	*	1532.0	1914.0	1539.7	1922.2	*	11.	43.	AG	103.	100.0	.0	12.0	.14	.6
27. WB	Bos right	*	1613.0	2039.0	1560.0	1991.0	*	72.	228.	AG	360.	7.8	.0	32.0		
28. WB	Bos right	*	1560.0	1991.0	1485.0	1908.0	*	112.	222.	AG	360.	7.8	.0	32.0		
29. WB	Bos right	*	1510.0	1936.0	3574.2	4192.2	*	3058.	42.	AG	103.	100.0	.0	12.0	3.79	155.3
30. WB	Bos dep	*	1494.0	1896.0	1437.0	1858.0	*	69.	236.	AG	1040.	7.8	.0	44.0		
31. WB	Bos dep	*	1437.0	1858.0	1364.0	1835.0	*	77.	253.	AG	1040.	7.8	.0	44.0		
32. WB	Bos dep	*	1364.0	1835.0	1286.0	1832.0	*	78.	268.	AG	1040.	7.8	.0	44.0		
33. WB	Bos dep	*	1286.0	1832.0	536.0	1861.0	*	751.	272.	AG	1040.	7.8	.0	44.0		
34. NB	OB ap	*	2532.0	1737.0	1742.0	1758.0	*	790.	272.	AG	660.	7.8	.0	32.0		
35. NB	OB ap	*	1742.0	1758.0	1656.0	1776.0	*	88.	282.	AG	660.	7.8	.0	32.0		
36. NB	OB ap	*	1656.0	1776.0	1559.0	1826.0	*	109.	297.	AG	660.	7.8	.0	32.0		
37. NB	OB ap	*	1582.0	1815.0	1825.9	1689.5	*	274.	117.	AG	57.	100.0	.0	12.0	.79	13.9
38. NB	OB dep	*	1559.0	1826.0	1455.0	1945.0	*	158.	319.	AG	515.	7.8	.0	32.0		
39. NB	OB dep	*	1455.0	1945.0	1310.0	2133.0	*	237.	322.	AG	515.	7.8	.0	32.0		
40. SB	OB ap	*	1302.0	2122.0	1472.0	1895.0	*	284.	143.	AG	130.	7.8	.0	44.0		
41. SB	OB ap	*	1451.0	1924.0	1403.8	1986.9	*	79.	323.	AG	211.	100.0	.0	24.0	.94	4.0
42. SB	OB dep1	*	1472.0	1895.0	1543.0	1813.0	*	108.	139.	AG	30.	7.8	.0	32.0		
43. SB	OB dep2	*	1543.0	1813.0	1646.0	1764.0	*	114.	115.	AG	760.	7.8	.0	32.0		
44. SB	OB dep2	*	1646.0	1764.0	1747.0	1742.0	*	103.	102.	AG	760.	7.8	.0	32.0		

JOB: S10 Boston & Old Boston BDAM35 RUN: Site 10 Build AM 2035
DATE: 08/31/2012 TIME: 14:37:10.15

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	OB dep2	*	1747.0	1742.0	2526.0	1720.0	*	779.	92.	AG	760.	7.8	.0	32.0		

JOB: S10 Boston & Old Boston BDAM35 RUN: Site 10 Build AM 2035
DATE: 08/31/2012 TIME: 14:37:10.15

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. EB	Bos thru	*	150	112	2.0	515	1783	42.10	1	3
9. EB	Bos left	*	150	133	2.0	105	1783	42.10	1	3
12. EB	Bos right	*	150	40	2.0	730	1595	42.10	1	3
23. WB	Bos thru	*	150	108	2.0	420	1783	42.10	1	3
26. WB	Bos left	*	150	137	2.0	15	1783	42.10	1	3
29. WB	Bos right	*	150	137	2.0	360	1595	42.10	1	3
37. NB	OB ap	*	150	76	2.0	660	1791	42.10	1	3
41. SB	OB ap	*	150	140	2.0	130	1742	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1855.0	1773.0	5.0
2. SE 164 S	1729.0	1780.0	5.0
3. SE 82 S	1649.0	1801.0	5.0
4. SE CNR	1587.0	1837.0	5.0
5. SE 82 E	1630.0	1910.0	5.0
6. SE 164 E	1664.0	1985.0	5.0
7. SE MID E	1685.0	2156.0	5.0
8. NE MID E	1604.0	2166.0	5.0
9. NE 164 E	1594.0	2092.0	5.0
10. NE 82 E	1555.0	2014.0	5.0
11. NE CNR	1499.0	1952.0	5.0
12. NE 82 N	1458.0	2002.0	5.0
13. NW 82 N	1404.0	1940.0	5.0
14. NW CNR	1440.0	1891.0	5.0
15. NW 82 W	1375.0	1860.0	5.0
16. NW 164 W	1291.0	1853.0	5.0
17. NW MID W	1121.0	1860.0	5.0
18. SW MID W	1116.0	1736.0	5.0
19. SW 164 W	1393.0	1726.0	5.0
20. SW 82 W	1471.0	1751.0	5.0
21. SW CNR	1546.0	1791.0	5.0
22. SW 82 S	1624.0	1752.0	5.0
23. SW 164 S	1704.0	1730.0	5.0
24. SW MID S	1845.0	1721.0	5.0

1

JOB: S10 Boston & Old Boston BDAM35 RUN: Site 10 Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) * CONCENTRATION (PPM)

(DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.1	.2	.5	.5	.5	.3	.3	.1	.1	.0	.0	.4	.5	.1	.0	.0	.5	1.1	.6
5.	.0	.1	.2	.4	.5	.5	.3	.4	.4	.1	.0	.0	.5	.5	.1	.0	.0	.5	1.1	.5
10.	.1	.1	.1	.4	.5	.5	.3	.4	.4	.2	.1	.0	.5	.5	.1	.0	.0	.5	1.1	.6
15.	.1	.1	.1	.3	.4	.4	.1	.4	.4	.2	.1	.1	.6	.3	.1	.0	.0	.4	1.1	.7
20.	.1	.1	.1	.2	.3	.2	.1	.4	.4	.3	.1	.1	.6	.4	.2	.0	.0	.4	1.2	.7
25.	.1	.1	.1	.2	.3	.2	.2	.4	.4	.4	.3	.1	.7	.5	.2	.0	.0	.4	1.1	.7
30.	.0	.1	.1	.2	.3	.2	.1	.4	.5	.4	.2	.1	.7	.4	.3	.0	.0	.4	1.1	.7
35.	.0	.1	.1	.2	.2	.1	.2	.5	.4	.5	.2	.2	.8	.5	.3	.1	.0	.5	1.0	.7
40.	.0	.0	.1	.1	.2	.1	.3	.4	.5	.4	.5	.2	.7	.5	.3	.2	.0	.6	1.0	.5
45.	.0	.0	.0	.1	.1	.1	.3	.4	.6	.4	.6	.1	.7	.4	.5	.2	.1	.6	.9	.5
50.	.0	.0	.0	.0	.0	.1	.4	.4	.6	.6	.7	.1	.8	.7	.5	.2	.1	.6	.7	.4
55.	.0	.0	.0	.0	.0	.0	.4	.5	.6	.7	.7	.2	.8	.8	.4	.2	.1	.6	.7	.4
60.	.0	.0	.0	.0	.0	.0	.4	.4	.5	.8	.9	.2	.9	.8	.5	.4	.1	.6	.6	.4
65.	.0	.0	.0	.0	.0	.0	.3	.4	.5	.8	.9	.1	.8	.7	.4	.4	.2	.6	.5	.2
70.	.1	.0	.0	.0	.0	.0	.3	.4	.4	.7	.9	.1	.8	.6	.5	.4	.2	.6	.3	.2
75.	.1	.1	.0	.0	.0	.0	.3	.4	.5	.6	.9	.2	.8	.5	.4	.3	.1	.5	.1	.2
80.	.2	.2	.0	.0	.0	.0	.3	.4	.5	.7	.9	.2	.8	.5	.3	.3	.2	.5	.1	.2
85.	.3	.2	.1	.0	.0	.0	.3	.4	.5	.7	.9	.2	.7	.4	.3	.3	.2	.5	.1	.2
90.	.3	.3	.2	.0	.0	.0	.3	.4	.5	.8	.9	.2	.8	.3	.4	.3	.3	.4	.0	.2
95.	.5	.3	.3	.2	.0	.0	.3	.4	.5	.9	.9	.3	.7	.3	.4	.4	.3	.4	.0	.1
100.	.5	.4	.3	.2	.0	.0	.3	.4	.5	.9	.9	.3	.6	.3	.4	.4	.4	.3	.0	.0
105.	.5	.4	.3	.2	.0	.0	.3	.4	.5	.9	.9	.3	.6	.3	.4	.5	.5	.2	.0	.0
110.	.5	.4	.5	.3	.2	.0	.3	.4	.5	.9	.9	.3	.5	.5	.3	.5	.5	.1	.0	.0
115.	.5	.5	.5	.4	.2	.0	.2	.4	.5	.8	.8	.3	.5	.5	.3	.6	.5	.1	.0	.0
120.	.5	.5	.5	.4	.2	.0	.2	.4	.5	.9	.7	.3	.4	.4	.4	.5	.6	.1	.0	.0
125.	.4	.5	.5	.3	.2	.0	.2	.4	.5	.8	.7	.3	.4	.3	.4	.6	.6	.0	.0	.0
130.	.4	.4	.6	.5	.1	.0	.2	.5	.5	.8	.7	.2	.3	.3	.5	.5	.4	.0	.0	.0
135.	.4	.4	.5	.6	.0	.0	.2	.5	.5	.8	.6	.2	.2	.4	.5	.5	.4	.0	.0	.0
140.	.4	.5	.5	.6	.0	.0	.2	.4	.4	.8	.5	.2	.1	.3	.6	.5	.4	.0	.0	.0
145.	.4	.5	.5	.5	.0	.0	.2	.4	.3	.9	.5	.2	.1	.3	.8	.5	.4	.0	.0	.0
150.	.4	.5	.5	.5	.0	.0	.2	.4	.4	.8	.6	.2	.1	.3	.8	.5	.4	.0	.0	.0
155.	.4	.5	.5	.4	.1	.0	.3	.4	.5	1.0	.6	.1	.3	.3	.8	.5	.4	.0	.0	.0
160.	.4	.5	.5	.4	.1	.0	.3	.4	.6	.9	.6	.1	.3	.3	.8	.5	.4	.0	.0	.0
165.	.4	.3	.5	.4	.1	.0	.3	.3	.4	.9	.4	.3	.2	.3	.8	.5	.4	.0	.0	.0
170.	.4	.3	.5	.4	.1	.0	.3	.4	.4	.9	.4	.3	.2	.4	.8	.5	.4	.0	.0	.0
175.	.4	.4	.4	.4	.1	.0	.4	.4	.5	.9	.4	.3	.2	.5	.6	.6	.4	.0	.0	.0
180.	.3	.4	.4	.4	.0	.0	.5	.4	.5	.9	.4	.6	.2	.6	.4	.4	.4	.0	.0	.0
185.	.3	.4	.4	.4	.1	.0	.5	.4	.5	.9	.4	.5	.2	.8	.5	.4	.4	.0	.0	.0
190.	.3	.4	.5	.4	.2	.1	.5	.3	.5	.8	.5	.5	.2	.6	.5	.4	.4	.0	.0	.0
195.	.4	.5	.4	.4	.2	.1	.5	.3	.5	.8	.4	.5	.2	.6	.5	.3	.4	.0	.0	.0
200.	.4	.5	.4	.3	.3	.2	.7	.2	.4	.8	.4	.6	.2	.6	.4	.4	.4	.0	.0	.0
205.	.4	.5	.4	.3	.3	.2	.7	.2	.3	.7	.4	.5	.3	.6	.5	.4	.4	.0	.0	.0

1

JOB: S10 Boston & Old Boston BDAM35 RUN: Site 10 Build AM 2035

WIND ANGLE * CONCENTRATION (PPM)

(DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.4	.5	.4	.3	.1	.2	.7	.1	.3	.7	.5	.5	.2	.5	.6	.4	.4	.0	.0	.0
215.	.4	.5	.4	.3	.2	.2	.7	.1	.3	.6	.5	.5	.1	.4	.6	.4	.4	.0	.0	.0
220.	.5	.5	.4	.4	.2	.2	.7	.1	.3	.5	.4	.5	.2	.4	.4	.4	.5	.0	.0	.0
225.	.5	.5	.4	.3	.3	.3	.6	.1	.1	.4	.5	.5	.2	.5	.4	.5	.5	.0	.0	.0
230.	.5	.5	.5	.5	.3	.3	.5	.0	.1	.2	.5	.6	.3	.6	.4	.6	.5	.0	.0	.1
235.	.5	.5	.5	.5	.4	.4	.5	.0	.1	.2	.4	.6	.2	.4	.4	.6	.6	.0	.0	.1
240.	.5	.5	.5	.5	.4	.5	.4	.0	.1	.3	.5	.6	.2	.5	.5	.6	.6	.1	.0	.1
245.	.4	.4	.6	.6	.4	.3	.4	.0	.2	.3	.5	.6	.2	.4	.5	.7	.5	.1	.0	.2
250.	.4	.4	.7	.6	.5	.6	.4	.0	.1	.3	.5	.5	.2	.4	.5	.6	.5	.1	.0	.3
255.	.4	.4	.7	.6	.4	.7	.3	.0	.0	.2	.6	.4	.2	.4	.6	.5	.6	.2	.1	.6
260.	.5	.6	.8	.7	.4	.7	.3	.0	.0	.2	.5	.3	.1	.2	.6	.5	.6	.2	.4	.7
265.	.5	.8	.7	.7	.3	.6	.3	.0	.0	.1	.5	.2	.1	.2	.6	.5	.5	.3	.4	1.0
270.	.3	.8	.7	.7	.5	.6	.3	.0	.0	.1	.5	.2	.1	.1	.4	.5	.4	.4	.7	1.1
275.	.1	.6	.8	.4	.4	.5	.3	.0	.0	.0	.4	.2	.0	.1	.3	.4	.4	.6	.9	1.1
280.	.1	.4	.6	.4	.4	.5	.3	.0	.0	.0	.4	.1	.0	.1	.2	.3	.3	.6	.9	1.2
285.	.1	.4	.5	.3	.5	.5	.3	.0	.0	.0	.4	.1	.0	.0	.1	.2	.2	.6	1.0	1.2
290.	.1	.3	.5	.4	.6	.5	.3	.0	.0	.0	.3	.1	.0	.0	.0	.1	.1	.6	.9	1.1
295.	.0	.0	.4	.4	.6	.4	.3	.0	.0	.0	.3	.1	.0	.0	.0	.1	.1	.6	.9	1.2
300.	.0	.0	.4	.4	.5	.4	.3	.0	.0	.0	.2	.1	.0	.0	.0	.1	.1	.6	1.0	1.1
305.	.0	.0	.3	.3	.5	.4	.4	.0	.0	.0	.2	.1	.0	.0	.0	.0	.1	.6	1.0	.9
310.	.0	.1	.2	.3	.5	.4	.4	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.5	1.1	1.0
315.	.0	.1	.1	.4	.5	.4	.4	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.5	1.2	1.0
320.	.0	.1	.1	.4	.5	.4	.4	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.5	.9	1.0
325.	.0	.1	.1	.2	.5	.3	.4	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.5	.9	.9
330.	.0	.1	.2	.3	.5	.3	.4	.0	.0	.0	.0	.0	.1	.4	.0	.0	.0	.5	.9	.8
335.	.0	.1	.3	.3	.4	.4	.4	.0	.0	.0	.0	.0	.2	.4	.0	.0	.0	.4	.9	.9
340.	.0	.1	.2	.4	.4	.5	.4	.1	.0	.0	.0	.0	.2	.5	.0	.0	.0	.4	1.0	.8
345.	.0	.1	.2	.5	.4	.6	.5	.1	.0	.0	.0	.0	.3	.5	.0	.0	.0	.4	1.1	.8
350.	.0	.1	.2	.5	.5	.6	.5	.1	.1	.0	.0	.0	.3	.5	.0	.0	.0	.4	1.0	.8
355.	.0	.1	.2	.4	.5	.6	.5	.2	.1	.0	.0	.0	.4	.5	.0	.0	.0	.5	1.0	.6
360.	.0	.1	.2	.5	.5	.5	.3	.3	.1	.1	.0	.0	.4	.5	.1	.0	.0	.5	1.1	.6
MAX	.5	.8	.8	.7	.6	.7	.7	.5	.6	1.0	.9	.6	.9	.8	.8	.7	.6	.6	1.2	1.2
DEGR.	95	265	275	260	290	255	200	35	45	155	70	180	60	55	145	245	120	40	20	280

1

JOB: S10 Boston & Old Boston BDAM35 RUN: Site 10 Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC21	REC22	REC23	REC24
0.	.6	.6	.5	.3
5.	.6	.5	.5	.3
10.	.8	.5	.5	.3
15.	.7	.5	.5	.4
20.	.7	.5	.5	.4
25.	.7	.5	.5	.4
30.	.5	.5	.5	.3
35.	.5	.5	.5	.3
40.	.4	.5	.4	.3
45.	.4	.5	.5	.3
50.	.3	.5	.5	.4
55.	.3	.5	.6	.5
60.	.4	.4	.6	.5
65.	.4	.4	.6	.5
70.	.4	.5	.6	.5
75.	.4	.7	.8	.5
80.	.4	.7	.7	.5
85.	.5	.7	.7	.4
90.	.7	.7	.6	.4
95.	.6	.6	.6	.3
100.	.7	.6	.5	.3
105.	.7	.4	.4	.1
110.	.5	.3	.2	.1
115.	.3	.2	.1	.1
120.	.1	.1	.1	.0
125.	.1	.0	.0	.0
130.	.1	.0	.0	.0
135.	.0	.0	.0	.0
140.	.0	.0	.0	.0
145.	.0	.0	.0	.0
150.	.0	.0	.0	.0
155.	.0	.0	.0	.0
160.	.0	.0	.0	.0
165.	.0	.0	.0	.0
170.	.0	.0	.0	.0
175.	.0	.0	.0	.0
180.	.0	.0	.0	.0
185.	.0	.0	.0	.0
190.	.0	.0	.0	.0
195.	.0	.0	.0	.0

200.	*	.0	.0	.0	.0
205.	*	.0	.0	.0	.0

1

JOB: S10 Boston & Old Boston BDAM35 RUN: Site 10 Build AM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24
210.	*	.0	.0	.0	.0
215.	*	.0	.0	.0	.1
220.	*	.0	.0	.0	.1
225.	*	.0	.0	.0	.1
230.	*	.1	.0	.0	.1
235.	*	.2	.0	.0	.1
240.	*	.3	.0	.0	.1
245.	*	.5	.0	.0	.1
250.	*	.6	.0	.0	.1
255.	*	.7	.1	.0	.2
260.	*	.9	.1	.0	.2
265.	*	1.0	.2	.1	.2
270.	*	.9	.3	.2	.3
275.	*	.9	.3	.4	.4
280.	*	.8	.3	.4	.5
285.	*	.6	.4	.4	.5
290.	*	.6	.3	.3	.6
295.	*	.4	.2	.5	.5
300.	*	.4	.2	.5	.4
305.	*	.4	.3	.6	.4
310.	*	.5	.5	.6	.3
315.	*	.6	.5	.7	.3
320.	*	.7	.6	.7	.3
325.	*	.7	.4	.6	.3
330.	*	.7	.5	.6	.3
335.	*	.6	.5	.6	.3
340.	*	.5	.5	.5	.3
345.	*	.5	.6	.5	.3
350.	*	.6	.6	.5	.3
355.	*	.6	.6	.5	.3
360.	*	.6	.6	.5	.3
MAX	*	1.0	.7	.8	.6
DEGR.	*	265	75	75	290

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 20 DEGREES FROM REC19.
THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 280 DEGREES FROM REC20.
THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 155 DEGREES FROM REC10.

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S10 Boston & Old Boston BDPM21          60.0321.0.0000.000240.30480000    1    1
SE MID S                 1855.     1773.       5.0
SE 164 S                 1729.     1780.       5.0
SE 82 S                  1649.     1801.       5.0
SE CNR                   1587.     1837.       5.0
SE 82 E                  1630.     1910.       5.0
SE 164 E                 1664.     1985.       5.0
SE MID E                 1685.     2156.       5.0
NE MID E                 1604.     2166.       5.0
NE 164 E                 1594.     2092.       5.0
NE 82 E                  1555.     2014.       5.0
NE CNR                   1499.     1952.       5.0
NE 82 N                  1458.     2002.       5.0
NW 82 N                  1404.     1940.       5.0
NW CNR                   1440.     1891.       5.0
NW 82 W                  1375.     1860.       5.0
NW 164 W                 1291.     1853.       5.0
NW MID W                 1121.     1860.       5.0
SW MID W                 1116.     1736.       5.0
SW 164 W                 1393.     1726.       5.0
SW 82 W                  1471.     1751.       5.0
SW CNR                   1546.     1791.       5.0
SW 82 S                  1624.     1752.       5.0
SW 164 S                 1704.     1730.       5.0
SW MID S                 1845.     1721.       5.0
Site 10 Build PM 2021                    45  1   0
  1
EB        Bos ap    AG   539.  1791.   635.  1785.    980. 8.1   0  44   35.
  1
EB        Bos ap    AG   635.  1785.   741.  1773.    980. 8.1   0  44   35.
  1
EB        Bos ap    AG   741.  1773.  1256.  1754.    980. 8.1   0  44   35.
  1
EB        Bos thru  AG  1256.  1754.  1359.  1755.    455. 8.1   0  44   35.
  1
EB        Bos thru  AG  1359.  1755.  1493.  1793.    455. 8.1   0  44   35.
  2
EB        Bos thru  AG  1463.  1785.  1369.  1758.      0.  24   2
       150       115       2.0  455   43.6 1783 1 3
  1
EB        Bos left  AG  1256.  1754.  1348.  1769.     60. 8.1   0  32   35.
  1
EB        Bos left  AG  1348.  1769.  1480.  1804.     60. 8.1   0  32   35.
  2
EB        Bos left  AG  1455.  1797.  1356.  1771.      0.  12   1
       150       137       2.0   60   43.6 1783 1 3
  1
EB        Bos right AG  1256.  1754.  1363.  1739.    465. 8.1   0  32   35.
  1
EB        Bos right AG  1363.  1739.  1473.  1768.    465. 8.1   0  32   35.
  2
EB        Bos right AG  1464.  1766.  1375.  1742.      0.  12   1
       150        56       2.0  465   43.6 1595 1 3
  1
EB        Bos right AG  1473.  1768.  1543.  1813.    465. 8.1   0  32   35.
  1
EB        Bos dep   AG  1493.  1793.  1580.  1875.    795. 8.1   0  44   35.
  1
EB        Bos dep   AG  1580.  1875.  1629.  1948.    795. 8.1   0  44   35.
  1
EB        Bos dep   AG  1629.  1948.  1653.  2029.    795. 8.1   0  44   35.
  1
EB        Bos dep   AG  1653.  2029.  1661.  2113.    795. 8.1   0  44   35.
  1
EB        Bos dep   AG  1661.  2113.  1690.  2826.    795. 8.1   0  44   35.
  1
WB        Bos ap    AG  1660.  2832.  1631.  2131.    510. 8.1   0  56   35.
  1
WB        Bos ap    AG  1631.  2131.  1613.  2039.    510. 8.1   0  56   35.
  1
WB        Bos thru  AG  1613.  2039.  1573.  1982.    270. 8.1   0  44   35.
  1
WB        Bos thru  AG  1573.  1982.  1494.  1896.    270. 8.1   0  44   35.
  2
WB        Bos thru  AG  1521.  1925.  1567.  1975.      0.  24   2
       150       106       2.0  270   43.6 1783 1 3
  1
WB        Bos left  AG  1613.  2039.  1589.  1975.     25. 8.1   0  32   35.
  1
WB        Bos left  AG  1589.  1975.  1505.  1884.     25. 8.1   0  32   35.
  2
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WB        Bos left  AG  1532.  1914.  1583.  1968.      0.  12   1
       150       137       2.0   25   43.6 1783 1 3
  1
WB        Bos right AG  1613.  2039.  1560.  1991.    215. 8.1   0  32   35.
  1
WB        Bos right AG  1560.  1991.  1485.  1908.    215. 8.1   0  32   35.
  2
WB        Bos right AG  1510.  1936.  1553.  1983.      0.  12   1
       150       137       2.0  215   43.6 1595 1 3
  1
WB        Bos dep   AG  1494.  1896.  1437.  1858.    855. 8.1   0  44   35.
  1
WB        Bos dep   AG  1437.  1858.  1364.  1835.    855. 8.1   0  44   35.
  1
WB        Bos dep   AG  1364.  1835.  1286.  1832.    855. 8.1   0  44   35.
  1
WB        Bos dep   AG  1286.  1832.   536.  1861.    855. 8.1   0  44   35.
  1
NB        OB ap     AG  2532.  1737.  1742.  1758.    575. 8.1   0  32   35.
  1
NB        OB ap     AG  1742.  1758.  1656.  1776.    575. 8.1   0  32   35.
  1
NB        OB ap     AG  1656.  1776.  1559.  1826.    575. 8.1   0  32   35.
  2
NB        OB ap     AG  1582.  1815.  1650.  1780.      0.  12   1
       150        88       2.0  575   43.6 1782 1 3
  1
NB        OB dep    AG  1559.  1826.  1455.  1945.    310. 8.1   0  32   35.
  1
NB        OB dep    AG  1455.  1945.  1310.  2133.    310. 8.1   0  32   35.
  1
SB        OB ap     AG  1302.  2122.  1472.  1895.    430. 8.1   0  44   35.
  2
SB        OB ap     AG  1451.  1924.  1373.  2028.      0.  24   2
       150       124       2.0  430   43.6 1738 1 3
  1
SB        OB dep1   AG  1472.  1895.  1543.  1813.     45. 8.1   0  32   35.
  1
SB        OB dep2   AG  1543.  1813.  1646.  1764.    535. 8.1   0  32   35.
  1
SB        OB dep2   AG  1646.  1764.  1747.  1742.    535. 8.1   0  32   35.
  1
SB        OB dep2   AG  1747.  1742.  2526.  1720.    535. 8.1   0  32   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S10 Boston & Old Boston BDPM21 RUN: Site 10 Build PM 2021
DATE: 09/04/2012 TIME: 14:51:39.24

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Bos ap	*	539.0	1791.0	635.0	1785.0	*	96.	94.	AG	980.	8.1	.0	44.0		
2. EB	Bos ap	*	635.0	1785.0	741.0	1773.0	*	107.	96.	AG	980.	8.1	.0	44.0		
3. EB	Bos ap	*	741.0	1773.0	1256.0	1754.0	*	515.	92.	AG	980.	8.1	.0	44.0		
4. EB	Bos thru	*	1256.0	1754.0	1359.0	1755.0	*	103.	89.	AG	455.	8.1	.0	44.0		
5. EB	Bos thru	*	1359.0	1755.0	1493.0	1793.0	*	139.	74.	AG	455.	8.1	.0	44.0		
6. EB	Bos thru	*	1463.0	1785.0	1325.8	1745.6	*	143.	254.	AG	179.	100.0	.0	24.0	.62	7.3
7. EB	Bos left	*	1256.0	1754.0	1348.0	1769.0	*	93.	81.	AG	60.	8.1	.0	32.0		
8. EB	Bos left	*	1348.0	1769.0	1480.0	1804.0	*	137.	75.	AG	60.	8.1	.0	32.0		
9. EB	Bos left	*	1455.0	1797.0	1410.6	1785.3	*	46.	255.	AG	107.	100.0	.0	12.0	.57	2.3
10. EB	Bos right	*	1256.0	1754.0	1363.0	1739.0	*	108.	98.	AG	465.	8.1	.0	32.0		
11. EB	Bos right	*	1363.0	1739.0	1473.0	1768.0	*	114.	75.	AG	465.	8.1	.0	32.0		
12. EB	Bos right	*	1464.0	1766.0	1326.5	1728.9	*	142.	255.	AG	44.	100.0	.0	12.0	.49	7.2
13. EB	Bos right	*	1473.0	1768.0	1543.0	1813.0	*	83.	57.	AG	465.	8.1	.0	32.0		
14. EB	Bos dep	*	1493.0	1793.0	1580.0	1875.0	*	120.	47.	AG	795.	8.1	.0	44.0		
15. EB	Bos dep	*	1580.0	1875.0	1629.0	1948.0	*	88.	34.	AG	795.	8.1	.0	44.0		
16. EB	Bos dep	*	1629.0	1948.0	1653.0	2029.0	*	84.	17.	AG	795.	8.1	.0	44.0		
17. EB	Bos dep	*	1653.0	2029.0	1661.0	2113.0	*	84.	5.	AG	795.	8.1	.0	44.0		
18. EB	Bos dep	*	1661.0	2113.0	1690.0	2826.0	*	714.	2.	AG	795.	8.1	.0	44.0		
19. WB	Bos ap	*	1660.0	2832.0	1631.0	2131.0	*	702.	182.	AG	510.	8.1	.0	56.0		
20. WB	Bos ap	*	1631.0	2131.0	1613.0	2039.0	*	94.	191.	AG	510.	8.1	.0	56.0		
21. WB	Bos thru	*	1613.0	2039.0	1573.0	1982.0	*	70.	215.	AG	270.	8.1	.0	44.0		
22. WB	Bos thru	*	1573.0	1982.0	1494.0	1896.0	*	117.	223.	AG	270.	8.1	.0	44.0		
23. WB	Bos thru	*	1521.0	1925.0	1574.0	1982.6	*	78.	43.	AG	165.	100.0	.0	24.0	.28	4.0
24. WB	Bos left	*	1613.0	2039.0	1589.0	1975.0	*	68.	201.	AG	25.	8.1	.0	32.0		
25. WB	Bos left	*	1589.0	1975.0	1505.0	1884.0	*	124.	223.	AG	25.	8.1	.0	32.0		
26. WB	Bos left	*	1532.0	1914.0	1544.9	1927.6	*	19.	43.	AG	107.	100.0	.0	12.0	.24	1.0
27. WB	Bos right	*	1613.0	2039.0	1560.0	1991.0	*	72.	228.	AG	215.	8.1	.0	32.0		
28. WB	Bos right	*	1560.0	1991.0	1485.0	1908.0	*	112.	222.	AG	215.	8.1	.0	32.0		
29. WB	Bos right	*	1510.0	1936.0	2488.6	3005.6	*	1450.	42.	AG	107.	100.0	.0	12.0	2.26	73.6
30. WB	Bos dep	*	1494.0	1896.0	1437.0	1858.0	*	69.	236.	AG	855.	8.1	.0	44.0		
31. WB	Bos dep	*	1437.0	1858.0	1364.0	1835.0	*	77.	253.	AG	855.	8.1	.0	44.0		
32. WB	Bos dep	*	1364.0	1835.0	1286.0	1832.0	*	78.	268.	AG	855.	8.1	.0	44.0		
33. WB	Bos dep	*	1286.0	1832.0	536.0	1861.0	*	751.	272.	AG	855.	8.1	.0	44.0		
34. NB	OB ap	*	2532.0	1737.0	1742.0	1758.0	*	790.	272.	AG	575.	8.1	.0	32.0		
35. NB	OB ap	*	1742.0	1758.0	1656.0	1776.0	*	88.	282.	AG	575.	8.1	.0	32.0		
36. NB	OB ap	*	1656.0	1776.0	1559.0	1826.0	*	109.	297.	AG	575.	8.1	.0	32.0		
37. NB	OB ap	*	1582.0	1815.0	1836.1	1684.2	*	286.	117.	AG	69.	100.0	.0	12.0	.83	14.5
38. NB	OB dep	*	1559.0	1826.0	1455.0	1945.0	*	158.	319.	AG	310.	8.1	.0	32.0		
39. NB	OB dep	*	1455.0	1945.0	1310.0	2133.0	*	237.	322.	AG	310.	8.1	.0	32.0		
40. SB	OB ap	*	1302.0	2122.0	1472.0	1895.0	*	284.	143.	AG	430.	8.1	.0	44.0		
41. SB	OB ap	*	1451.0	1924.0	1351.3	2056.9	*	166.	323.	AG	193.	100.0	.0	24.0	.85	8.4
42. SB	OB dep1	*	1472.0	1895.0	1543.0	1813.0	*	108.	139.	AG	45.	8.1	.0	32.0		
43. SB	OB dep2	*	1543.0	1813.0	1646.0	1764.0	*	114.	115.	AG	535.	8.1	.0	32.0		
44. SB	OB dep2	*	1646.0	1764.0	1747.0	1742.0	*	103.	102.	AG	535.	8.1	.0	32.0		

JOB: S10 Boston & Old Boston BDPM21 RUN: Site 10 Build PM 2021
DATE: 09/04/2012 TIME: 14:51:39.24

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	OB dep2	*	1747.0	1742.0	2526.0	1720.0	*	779.	92.	AG	535.	8.1	.0	32.0		

JOB: S10 Boston & Old Boston BDPM21 RUN: Site 10 Build PM 2021
DATE: 09/04/2012 TIME: 14:51:39.24

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. EB	Bos thru	*	150	115	2.0	455	1783	43.60	1	3
9. EB	Bos left	*	150	137	2.0	60	1783	43.60	1	3
12. EB	Bos right	*	150	56	2.0	465	1595	43.60	1	3
23. WB	Bos thru	*	150	106	2.0	270	1783	43.60	1	3
26. WB	Bos left	*	150	137	2.0	25	1783	43.60	1	3
29. WB	Bos right	*	150	137	2.0	215	1595	43.60	1	3
37. NB	OB ap	*	150	88	2.0	575	1782	43.60	1	3
41. SB	OB ap	*	150	124	2.0	430	1738	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1855.0	1773.0	5.0
2. SE 164 S	1729.0	1780.0	5.0
3. SE 82 S	1649.0	1801.0	5.0
4. SE CNR	1587.0	1837.0	5.0
5. SE 82 E	1630.0	1910.0	5.0
6. SE 164 E	1664.0	1985.0	5.0
7. SE MID E	1685.0	2156.0	5.0
8. NE MID E	1604.0	2166.0	5.0
9. NE 164 E	1594.0	2092.0	5.0
10. NE 82 E	1555.0	2014.0	5.0
11. NE CNR	1499.0	1952.0	5.0
12. NE 82 N	1458.0	2002.0	5.0
13. NW 82 N	1404.0	1940.0	5.0
14. NW CNR	1440.0	1891.0	5.0
15. NW 82 W	1375.0	1860.0	5.0
16. NW 164 W	1291.0	1853.0	5.0
17. NW MID W	1121.0	1860.0	5.0
18. SW MID W	1116.0	1736.0	5.0
19. SW 164 W	1393.0	1726.0	5.0
20. SW 82 W	1471.0	1751.0	5.0
21. SW CNR	1546.0	1791.0	5.0
22. SW 82 S	1624.0	1752.0	5.0
23. SW 164 S	1704.0	1730.0	5.0
24. SW MID S	1845.0	1721.0	5.0

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JOB: S10 Boston & Old Boston BDPM21 RUN: Site 10 Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.1	.2	.4	.6	.5	.4	.3	.2	.0	.0	.0	.8	.5	.2	.0	.0	.4	.9	.6
5.	.0	.1	.2	.5	.6	.5	.4	.3	.2	.2	.0	.0	.8	.5	.3	.0	.0	.4	.9	.6
10.	.1	.1	.1	.4	.4	.4	.2	.3	.3	.2	.0	.0	.7	.4	.3	.1	.0	.4	.9	.6
15.	.0	.1	.1	.3	.4	.4	.2	.3	.3	.2	.1	.0	.7	.4	.3	.1	.0	.4	1.0	.6
20.	.0	.1	.1	.3	.4	.4	.1	.4	.3	.2	.1	.0	.7	.3	.3	.1	.0	.4	1.0	.6
25.	.0	.1	.1	.2	.3	.3	.2	.4	.3	.3	.2	.1	.7	.5	.2	.1	.0	.4	.9	.5
30.	.0	.0	.1	.2	.3	.1	.2	.4	.4	.4	.2	.1	.7	.4	.2	.1	.0	.4	.9	.5
35.	.0	.0	.1	.2	.3	.1	.2	.4	.4	.4	.3	.1	.8	.4	.3	.1	.0	.4	.9	.4
40.	.0	.0	.0	.2	.2	.1	.3	.4	.4	.5	.3	.2	.8	.5	.3	.2	.0	.5	.8	.3
45.	.0	.0	.0	.0	.2	.1	.3	.4	.5	.5	.4	.2	.8	.4	.2	.2	.0	.6	.9	.3
50.	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.5	.1	.8	.6	.4	.2	.1	.6	.8	.2
55.	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.6	.1	.8	.6	.4	.2	.2	.6	.6	.2
60.	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.7	.1	.8	.6	.5	.2	.2	.5	.6	.2
65.	.0	.0	.0	.0	.0	.0	.4	.3	.4	.7	.7	.1	.8	.5	.4	.3	.3	.3	.4	.2
70.	.1	.0	.0	.0	.0	.0	.3	.3	.5	.5	.8	.1	.8	.5	.5	.3	.3	.4	.3	.1
75.	.1	.1	.0	.0	.0	.0	.3	.3	.5	.6	.9	.1	.8	.6	.4	.1	.2	.4	.1	.2
80.	.1	.1	.0	.0	.0	.0	.3	.3	.4	.5	.8	.1	.8	.5	.3	.2	.2	.4	.1	.1
85.	.3	.2	.1	.0	.0	.0	.3	.3	.4	.6	.9	.1	.8	.5	.3	.3	.2	.4	.0	.1
90.	.3	.3	.2	.0	.0	.0	.3	.3	.4	.6	.9	.2	.8	.3	.3	.3	.2	.4	.0	.1
95.	.3	.3	.2	.1	.0	.0	.3	.3	.4	.6	1.0	.2	.7	.3	.4	.3	.3	.3	.0	.1
100.	.4	.3	.3	.2	.0	.0	.3	.3	.4	.6	1.0	.2	.6	.4	.5	.4	.4	.2	.0	.0
105.	.4	.3	.4	.3	.0	.0	.3	.3	.4	.6	1.0	.2	.7	.4	.4	.5	.4	.1	.0	.0
110.	.4	.3	.4	.3	.0	.0	.3	.3	.4	.6	1.0	.2	.5	.3	.4	.5	.4	.1	.0	.0
115.	.3	.3	.5	.2	.1	.0	.3	.3	.4	.6	.9	.3	.6	.4	.3	.4	.4	.1	.0	.0
120.	.3	.4	.5	.2	.1	.0	.3	.3	.4	.6	.9	.3	.5	.4	.4	.4	.4	.0	.0	.0
125.	.3	.4	.4	.3	.0	.0	.3	.3	.4	.6	.9	.2	.4	.3	.4	.5	.4	.0	.0	.0
130.	.3	.4	.4	.3	.0	.0	.3	.3	.4	.7	.8	.2	.4	.3	.4	.5	.4	.0	.0	.0
135.	.3	.4	.5	.5	.0	.0	.3	.4	.4	.7	.8	.2	.3	.3	.4	.5	.4	.0	.0	.0
140.	.3	.4	.5	.5	.0	.0	.3	.5	.5	.6	.9	.2	.2	.3	.5	.4	.4	.0	.0	.0
145.	.3	.4	.5	.5	.1	.0	.3	.4	.4	.7	.6	.1	.1	.3	.6	.4	.4	.0	.0	.0
150.	.3	.5	.5	.5	.1	.0	.3	.4	.4	.6	.5	.1	.1	.2	.6	.3	.3	.0	.0	.0
155.	.3	.5	.5	.5	.1	.0	.3	.4	.4	.6	.5	.0	.2	.2	.5	.3	.3	.0	.0	.0
160.	.3	.4	.5	.5	.1	.0	.3	.4	.4	.7	.6	.0	.2	.3	.5	.3	.3	.0	.0	.0
165.	.3	.3	.5	.5	.1	.0	.3	.4	.4	.7	.4	.1	.2	.3	.4	.3	.3	.0	.0	.0
170.	.3	.3	.5	.4	.1	.0	.4	.3	.4	.7	.4	.2	.2	.3	.4	.3	.3	.0	.0	.0
175.	.3	.3	.4	.4	.1	.0	.5	.3	.3	.7	.4	.3	.2	.4	.4	.2	.3	.0	.0	.0
180.	.3	.4	.4	.4	.1	.0	.5	.3	.4	.8	.4	.5	.2	.4	.4	.3	.3	.0	.0	.0
185.	.3	.4	.5	.3	.1	.1	.5	.3	.4	.8	.3	.5	.2	.5	.4	.3	.3	.0	.0	.0
190.	.3	.4	.4	.3	.2	.1	.5	.3	.4	.9	.4	.4	.2	.5	.5	.2	.3	.0	.0	.0
195.	.3	.4	.5	.3	.2	.2	.5	.2	.3	.8	.4	.5	.2	.4	.5	.2	.3	.0	.0	.0
200.	.3	.4	.5	.3	.1	.2	.6	.2	.3	.9	.3	.6	.2	.5	.4	.3	.3	.0	.0	.0
205.	.4	.4	.5	.2	.1	.2	.7	.1	.2	.7	.3	.6	.1	.5	.4	.4	.3	.0	.0	.0

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JOB: S10 Boston & Old Boston BDPM21 RUN: Site 10 Build PM 2021

WIND ANGLE * CONCENTRATION (PPM)

(DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.4	.4	.5	.2	.2	.2	.8	.1	.3	.6	.3	.6	.1	.5	.3	.4	.3	.0	.0	.0
215.	.4	.4	.5	.2	.2	.4	.8	.1	.2	.5	.5	.5	.1	.4	.4	.4	.3	.0	.0	.0
220.	.4	.4	.5	.2	.3	.4	.6	.1	.2	.3	.5	.5	.1	.4	.3	.4	.4	.0	.0	.0
225.	.4	.4	.5	.3	.4	.5	.6	.1	.1	.3	.6	.5	.2	.4	.3	.4	.4	.0	.0	.0
230.	.4	.4	.5	.5	.4	.4	.5	.1	.1	.2	.3	.5	.2	.4	.4	.4	.4	.0	.0	.0
235.	.4	.4	.5	.5	.4	.5	.5	.1	.1	.1	.3	.7	.2	.4	.4	.5	.4	.0	.0	.0
240.	.4	.4	.5	.5	.4	.4	.5	.1	.1	.1	.5	.7	.2	.3	.5	.4	.4	.0	.0	.1
245.	.4	.4	.6	.5	.4	.4	.4	.1	.1	.2	.5	.7	.2	.4	.5	.4	.4	.1	.0	.2
250.	.4	.4	.6	.5	.4	.5	.4	.0	.1	.3	.5	.6	.2	.4	.5	.4	.5	.1	.0	.3
255.	.4	.4	.6	.5	.3	.5	.3	.0	.1	.3	.5	.6	.2	.4	.5	.5	.5	.1	.0	.3
260.	.4	.5	.6	.5	.3	.5	.3	.0	.1	.2	.5	.6	.1	.2	.6	.5	.5	.2	.1	.7
265.	.3	.5	.6	.7	.4	.5	.3	.0	.1	.2	.5	.5	.1	.1	.4	.5	.4	.2	.4	.8
270.	.3	.5	.8	.6	.4	.5	.3	.0	.0	.2	.4	.5	.1	.1	.3	.4	.4	.3	.6	.9
275.	.2	.5	.8	.4	.4	.5	.3	.0	.0	.1	.4	.5	.0	.1	.2	.3	.3	.4	.7	1.0
280.	.1	.3	.5	.5	.4	.5	.3	.0	.0	.1	.5	.5	.0	.0	.2	.2	.2	.5	.8	1.0
285.	.1	.3	.5	.4	.5	.4	.3	.0	.0	.1	.5	.5	.0	.0	.1	.2	.2	.5	.8	1.0
290.	.0	.3	.4	.5	.6	.3	.3	.0	.0	.1	.5	.5	.0	.0	.0	.1	.1	.5	.9	1.0
295.	.0	.1	.4	.5	.6	.3	.3	.0	.0	.0	.5	.4	.0	.0	.0	.1	.1	.5	.9	1.0
300.	.0	.1	.3	.4	.6	.3	.3	.0	.0	.0	.5	.4	.0	.0	.0	.1	.1	.5	.8	.9
305.	.0	.1	.3	.4	.6	.3	.3	.0	.0	.0	.4	.3	.0	.0	.0	.0	.0	.5	.9	.9
310.	.0	.1	.3	.4	.5	.3	.3	.0	.0	.0	.4	.2	.1	.1	.0	.0	.0	.4	.9	.9
315.	.0	.0	.2	.4	.4	.3	.3	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.4	.8	.9
320.	.0	.0	.3	.4	.4	.3	.4	.0	.0	.0	.1	.0	.3	.3	.0	.0	.0	.4	.8	.9
325.	.0	.0	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.3	.4	.0	.0	.0	.4	.8	1.0
330.	.0	.1	.3	.4	.4	.5	.4	.0	.0	.0	.0	.0	.4	.5	.0	.0	.0	.4	.8	.9
335.	.0	.1	.3	.4	.4	.5	.4	.0	.0	.0	.0	.0	.5	.6	.0	.0	.0	.4	.8	.9
340.	.0	.1	.3	.4	.4	.5	.4	.0	.0	.0	.0	.0	.6	.7	.1	.0	.0	.4	.8	.7
345.	.0	.1	.2	.4	.4	.7	.5	.1	.0	.0	.0	.0	.7	.7	.1	.0	.0	.4	.8	.6
350.	.0	.2	.2	.4	.4	.6	.5	.1	.0	.0	.0	.0	.7	.7	.1	.0	.0	.4	.9	.6
355.	.0	.2	.2	.4	.5	.5	.5	.1	.1	.0	.0	.0	.8	.7	.1	.0	.0	.4	.9	.6
360.	.0	.1	.2	.4	.6	.5	.4	.3	.2	.0	.0	.0	.8	.5	.2	.0	.0	.4	.9	.6
MAX	.4	.5	.8	.7	.6	.7	.8	.5	.5	.9	1.0	.7	.8	.7	.6	.5	.5	.6	1.0	1.0
DEGR.	100	150	270	265	0	345	210	140	45	190	95	235	0	340	145	105	250	45	15	325

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JOB: S10 Boston & Old Boston BDPM21 RUN: Site 10 Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC21	REC22	REC23	REC24
0.	.7	.4	.5	.3
5.	.6	.5	.5	.3
10.	.6	.4	.5	.3
15.	.7	.4	.5	.2
20.	.5	.4	.5	.2
25.	.5	.4	.5	.2
30.	.5	.4	.4	.3
35.	.5	.4	.4	.3
40.	.4	.3	.4	.3
45.	.2	.3	.4	.3
50.	.2	.5	.5	.3
55.	.4	.5	.5	.3
60.	.4	.4	.6	.3
65.	.4	.4	.5	.4
70.	.4	.4	.5	.4
75.	.4	.5	.5	.4
80.	.4	.6	.6	.4
85.	.4	.5	.6	.3
90.	.5	.5	.6	.3
95.	.6	.5	.5	.3
100.	.6	.5	.5	.2
105.	.4	.4	.3	.1
110.	.2	.2	.2	.1
115.	.2	.2	.1	.0
120.	.2	.0	.1	.0
125.	.1	.0	.1	.0
130.	.0	.0	.0	.0
135.	.0	.0	.0	.0
140.	.0	.0	.0	.0
145.	.0	.0	.0	.0
150.	.0	.0	.0	.0
155.	.0	.0	.0	.0
160.	.0	.0	.0	.0
165.	.0	.0	.0	.0
170.	.0	.0	.0	.0
175.	.0	.0	.0	.0
180.	.0	.0	.0	.0
185.	.0	.0	.0	.0
190.	.0	.0	.0	.0
195.	.0	.0	.0	.1

200.	*	.0	.0	.0	.1
205.	*	.0	.0	.0	.1

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JOB: S10 Boston & Old Boston BDPM21 RUN: Site 10 Build PM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24
210.	*	.0	.0	.0	.1
215.	*	.0	.0	.0	.1
220.	*	.0	.0	.0	.1
225.	*	.0	.0	.0	.1
230.	*	.0	.0	.0	.1
235.	*	.2	.0	.0	.1
240.	*	.2	.0	.0	.1
245.	*	.3	.0	.0	.1
250.	*	.5	.0	.0	.1
255.	*	.6	.1	.0	.1
260.	*	.6	.1	.0	.2
265.	*	.7	.1	.1	.2
270.	*	.8	.2	.1	.2
275.	*	.7	.3	.1	.2
280.	*	.5	.2	.2	.4
285.	*	.4	.3	.3	.4
290.	*	.3	.2	.3	.4
295.	*	.3	.2	.4	.4
300.	*	.3	.2	.4	.4
305.	*	.4	.3	.6	.3
310.	*	.5	.5	.7	.3
315.	*	.5	.5	.7	.3
320.	*	.5	.6	.7	.3
325.	*	.5	.6	.5	.3
330.	*	.6	.7	.5	.3
335.	*	.6	.6	.5	.2
340.	*	.6	.5	.4	.2
345.	*	.7	.6	.5	.2
350.	*	.7	.5	.5	.2
355.	*	.7	.4	.5	.3
360.	*	.7	.4	.5	.3
MAX	*	.8	.7	.7	.4
DEGR.	*	270	330	310	65

THE HIGHEST CONCENTRATION IS 1.00 PPM AT 15 DEGREES FROM REC19.
THE 2ND HIGHEST CONCENTRATION IS 1.00 PPM AT 325 DEGREES FROM REC20.
THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 95 DEGREES FROM REC11.

```
S10 Boston & Old Boston BDPM35          60.0321.0.0000.000240.30480000    1    1
SE MID S                 1855.     1773.       5.0
SE 164 S                 1729.     1780.       5.0
SE 82 S                  1649.     1801.       5.0
SE CNR                   1587.     1837.       5.0
SE 82 E                  1630.     1910.       5.0
SE 164 E                 1664.     1985.       5.0
SE MID E                 1685.     2156.       5.0
NE MID E                 1604.     2166.       5.0
NE 164 E                 1594.     2092.       5.0
NE 82 E                  1555.     2014.       5.0
NE CNR                   1499.     1952.       5.0
NE 82 N                  1458.     2002.       5.0
NW 82 N                  1404.     1940.       5.0
NW CNR                   1440.     1891.       5.0
NW 82 W                  1375.     1860.       5.0
NW 164 W                 1291.     1853.       5.0
NW MID W                 1121.     1860.       5.0
SW MID W                 1116.     1736.       5.0
SW 164 W                 1393.     1726.       5.0
SW 82 W                  1471.     1751.       5.0
SW CNR                   1546.     1791.       5.0
SW 82 S                  1624.     1752.       5.0
SW 164 S                 1704.     1730.       5.0
SW MID S                 1845.     1721.       5.0
Site 10 Build PM 2035                    45  1   0
  1
EB        Bos ap    AG   539.  1791.   635.  1785.    905. 7.8   0  44   35.
  1
EB        Bos ap    AG   635.  1785.   741.  1773.    905. 7.8   0  44   35.
  1
EB        Bos ap    AG   741.  1773.  1256.  1754.    905. 7.8   0  44   35.
  1
EB        Bos thru  AG  1256.  1754.  1359.  1755.    420. 7.8   0  44   35.
  1
EB        Bos thru  AG  1359.  1755.  1493.  1793.    420. 7.8   0  44   35.
  2
EB        Bos thru  AG  1463.  1785.  1369.  1758.      0.  24   2
       150       113       2.0  420   42.1 1783 1 3
  1
EB        Bos left  AG  1256.  1754.  1348.  1769.     60. 7.8   0  32   35.
  1
EB        Bos left  AG  1348.  1769.  1480.  1804.     60. 7.8   0  32   35.
  2
EB        Bos left  AG  1455.  1797.  1356.  1771.      0.  12   1
       150       136       2.0   60   42.1 1783 1 3
  1
EB        Bos right AG  1256.  1754.  1363.  1739.    425. 7.8   0  32   35.
  1
EB        Bos right AG  1363.  1739.  1473.  1768.    425. 7.8   0  32   35.
  2
EB        Bos right AG  1464.  1766.  1375.  1742.      0.  12   1
       150        54       2.0  425   42.1 1595 1 3
  1
EB        Bos right AG  1473.  1768.  1543.  1813.    425. 7.8   0  32   35.
  1
EB        Bos dep   AG  1493.  1793.  1580.  1875.    760. 7.8   0  44   35.
  1
EB        Bos dep   AG  1580.  1875.  1629.  1948.    760. 7.8   0  44   35.
  1
EB        Bos dep   AG  1629.  1948.  1653.  2029.    760. 7.8   0  44   35.
  1
EB        Bos dep   AG  1653.  2029.  1661.  2113.    760. 7.8   0  44   35.
  1
EB        Bos dep   AG  1661.  2113.  1690.  2826.    760. 7.8   0  44   35.
  1
WB        Bos ap    AG  1660.  2832.  1631.  2131.    505. 7.8   0  56   35.
  1
WB        Bos ap    AG  1631.  2131.  1613.  2039.    505. 7.8   0  56   35.
  1
WB        Bos thru  AG  1613.  2039.  1573.  1982.    265. 7.8   0  44   35.
  1
WB        Bos thru  AG  1573.  1982.  1494.  1896.    265. 7.8   0  44   35.
  2
WB        Bos thru  AG  1521.  1925.  1567.  1975.      0.  24   2
       150       107       2.0  265   42.1 1783 1 3
  1
WB        Bos left  AG  1613.  2039.  1589.  1975.     25. 7.8   0  32   35.
  1
WB        Bos left  AG  1589.  1975.  1505.  1884.     25. 7.8   0  32   35.
  2
```

```
WB        Bos left  AG  1532.  1914.  1583.  1968.      0.  12   1
       150       138       2.0   25   42.1 1783 1 3
  1
WB        Bos right AG  1613.  2039.  1560.  1991.    215. 7.8   0  32   35.
  1
WB        Bos right AG  1560.  1991.  1485.  1908.    215. 7.8   0  32   35.
  2
WB        Bos right AG  1510.  1936.  1553.  1983.      0.  12   1
       150       138       2.0  215   42.1 1595 1 3
  1
WB        Bos dep   AG  1494.  1896.  1437.  1858.    810. 7.8   0  44   35.
  1
WB        Bos dep   AG  1437.  1858.  1364.  1835.    810. 7.8   0  44   35.
  1
WB        Bos dep   AG  1364.  1835.  1286.  1832.    810. 7.8   0  44   35.
  1
WB        Bos dep   AG  1286.  1832.   536.  1861.    810. 7.8   0  44   35.
  1
NB        OB ap     AG  2532.  1737.  1742.  1758.    535. 7.8   0  32   35.
  1
NB        OB ap     AG  1742.  1758.  1656.  1776.    535. 7.8   0  32   35.
  1
NB        OB ap     AG  1656.  1776.  1559.  1826.    535. 7.8   0  32   35.
  2
NB        OB ap     AG  1582.  1815.  1650.  1780.      0.  12   1
       150        88       2.0  535   42.1 1782 1 3
  1
NB        OB dep    AG  1559.  1826.  1455.  1945.    310. 7.8   0  32   35.
  1
NB        OB dep    AG  1455.  1945.  1310.  2133.    310. 7.8   0  32   35.
  1
SB        OB ap     AG  1302.  2122.  1472.  1895.    430. 7.8   0  44   35.
  2
SB        OB ap     AG  1451.  1924.  1373.  2028.      0.  24   2
       150       125       2.0  430   42.1 1738 1 3
  1
SB        OB dep1   AG  1472.  1895.  1543.  1813.     45. 7.8   0  32   35.
  1
SB        OB dep2   AG  1543.  1813.  1646.  1764.    495. 7.8   0  32   35.
  1
SB        OB dep2   AG  1646.  1764.  1747.  1742.    495. 7.8   0  32   35.
  1
SB        OB dep2   AG  1747.  1742.  2526.  1720.    495. 7.8   0  32   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S10 Boston & Old Boston BDPM35 RUN: Site 10 Build PM 2035
DATE: 09/04/2012 TIME: 14:29:28.34

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Bos ap	*	539.0	1791.0	635.0	1785.0	*	96.	94.	AG	905.	7.8	.0	44.0		
2. EB	Bos ap	*	635.0	1785.0	741.0	1773.0	*	107.	96.	AG	905.	7.8	.0	44.0		
3. EB	Bos ap	*	741.0	1773.0	1256.0	1754.0	*	515.	92.	AG	905.	7.8	.0	44.0		
4. EB	Bos thru	*	1256.0	1754.0	1359.0	1755.0	*	103.	89.	AG	420.	7.8	.0	44.0		
5. EB	Bos thru	*	1359.0	1755.0	1493.0	1793.0	*	139.	74.	AG	420.	7.8	.0	44.0		
6. EB	Bos thru	*	1463.0	1785.0	1338.3	1749.2	*	130.	254.	AG	170.	100.0	.0	24.0	.54	6.6
7. EB	Bos left	*	1256.0	1754.0	1348.0	1769.0	*	93.	81.	AG	60.	7.8	.0	32.0		
8. EB	Bos left	*	1348.0	1769.0	1480.0	1804.0	*	137.	75.	AG	60.	7.8	.0	32.0		
9. EB	Bos left	*	1455.0	1797.0	1411.8	1785.7	*	45.	255.	AG	102.	100.0	.0	12.0	.51	2.3
10. EB	Bos right	*	1256.0	1754.0	1363.0	1739.0	*	108.	98.	AG	425.	7.8	.0	32.0		
11. EB	Bos right	*	1363.0	1739.0	1473.0	1768.0	*	114.	75.	AG	425.	7.8	.0	32.0		
12. EB	Bos right	*	1464.0	1766.0	1342.8	1733.3	*	125.	255.	AG	41.	100.0	.0	12.0	.43	6.4
13. EB	Bos right	*	1473.0	1768.0	1543.0	1813.0	*	83.	57.	AG	425.	7.8	.0	32.0		
14. EB	Bos dep	*	1493.0	1793.0	1580.0	1875.0	*	120.	47.	AG	760.	7.8	.0	44.0		
15. EB	Bos dep	*	1580.0	1875.0	1629.0	1948.0	*	88.	34.	AG	760.	7.8	.0	44.0		
16. EB	Bos dep	*	1629.0	1948.0	1653.0	2029.0	*	84.	17.	AG	760.	7.8	.0	44.0		
17. EB	Bos dep	*	1653.0	2029.0	1661.0	2113.0	*	84.	5.	AG	760.	7.8	.0	44.0		
18. EB	Bos dep	*	1661.0	2113.0	1690.0	2826.0	*	714.	2.	AG	760.	7.8	.0	44.0		
19. WB	Bos ap	*	1660.0	2832.0	1631.0	2131.0	*	702.	182.	AG	505.	7.8	.0	56.0		
20. WB	Bos ap	*	1631.0	2131.0	1613.0	2039.0	*	94.	191.	AG	505.	7.8	.0	56.0		
21. WB	Bos thru	*	1613.0	2039.0	1573.0	1982.0	*	70.	215.	AG	265.	7.8	.0	44.0		
22. WB	Bos thru	*	1573.0	1982.0	1494.0	1896.0	*	117.	223.	AG	265.	7.8	.0	44.0		
23. WB	Bos thru	*	1521.0	1925.0	1573.3	1981.8	*	77.	43.	AG	161.	100.0	.0	24.0	.29	3.9
24. WB	Bos left	*	1613.0	2039.0	1589.0	1975.0	*	68.	201.	AG	25.	7.8	.0	32.0		
25. WB	Bos left	*	1589.0	1975.0	1505.0	1884.0	*	124.	223.	AG	25.	7.8	.0	32.0		
26. WB	Bos left	*	1532.0	1914.0	1545.0	1927.7	*	19.	43.	AG	104.	100.0	.0	12.0	.26	1.0
27. WB	Bos right	*	1613.0	2039.0	1560.0	1991.0	*	72.	228.	AG	215.	7.8	.0	32.0		
28. WB	Bos right	*	1560.0	1991.0	1485.0	1908.0	*	112.	222.	AG	215.	7.8	.0	32.0		
29. WB	Bos right	*	1510.0	1936.0	2560.0	3083.7	*	1556.	42.	AG	104.	100.0	.0	12.0	2.53	79.0
30. WB	Bos dep	*	1494.0	1896.0	1437.0	1858.0	*	69.	236.	AG	810.	7.8	.0	44.0		
31. WB	Bos dep	*	1437.0	1858.0	1364.0	1835.0	*	77.	253.	AG	810.	7.8	.0	44.0		
32. WB	Bos dep	*	1364.0	1835.0	1286.0	1832.0	*	78.	268.	AG	810.	7.8	.0	44.0		
33. WB	Bos dep	*	1286.0	1832.0	536.0	1861.0	*	751.	272.	AG	810.	7.8	.0	44.0		
34. NB	OB ap	*	2532.0	1737.0	1742.0	1758.0	*	790.	272.	AG	535.	7.8	.0	32.0		
35. NB	OB ap	*	1742.0	1758.0	1656.0	1776.0	*	88.	282.	AG	535.	7.8	.0	32.0		
36. NB	OB ap	*	1656.0	1776.0	1559.0	1826.0	*	109.	297.	AG	535.	7.8	.0	32.0		
37. NB	OB ap	*	1582.0	1815.0	1810.9	1697.2	*	257.	117.	AG	66.	100.0	.0	12.0	.78	13.1
38. NB	OB dep	*	1559.0	1826.0	1455.0	1945.0	*	158.	319.	AG	310.	7.8	.0	32.0		
39. NB	OB dep	*	1455.0	1945.0	1310.0	2133.0	*	237.	322.	AG	310.	7.8	.0	32.0		
40. SB	OB ap	*	1302.0	2122.0	1472.0	1895.0	*	284.	143.	AG	430.	7.8	.0	44.0		
41. SB	OB ap	*	1451.0	1924.0	1345.4	2064.8	*	176.	323.	AG	188.	100.0	.0	24.0	.88	8.9
42. SB	OB dep1	*	1472.0	1895.0	1543.0	1813.0	*	108.	139.	AG	45.	7.8	.0	32.0		
43. SB	OB dep2	*	1543.0	1813.0	1646.0	1764.0	*	114.	115.	AG	495.	7.8	.0	32.0		
44. SB	OB dep2	*	1646.0	1764.0	1747.0	1742.0	*	103.	102.	AG	495.	7.8	.0	32.0		

JOB: S10 Boston & Old Boston BDPM35 RUN: Site 10 Build PM 2035
DATE: 09/04/2012 TIME: 14:29:28.34

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	OB dep2	*	1747.0	1742.0	2526.0	1720.0	*	779.	92.	AG	495.	7.8	.0	32.0		

JOB: S10 Boston & Old Boston BDPM35 RUN: Site 10 Build PM 2035
DATE: 09/04/2012 TIME: 14:29:28.34

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. EB	Bos thru	*	150	113	2.0	420	1783	42.10	1	3
9. EB	Bos left	*	150	136	2.0	60	1783	42.10	1	3
12. EB	Bos right	*	150	54	2.0	425	1595	42.10	1	3
23. WB	Bos thru	*	150	107	2.0	265	1783	42.10	1	3
26. WB	Bos left	*	150	138	2.0	25	1783	42.10	1	3
29. WB	Bos right	*	150	138	2.0	215	1595	42.10	1	3
37. NB	OB ap	*	150	88	2.0	535	1782	42.10	1	3
41. SB	OB ap	*	150	125	2.0	430	1738	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1855.0	1773.0	5.0
2. SE 164 S	1729.0	1780.0	5.0
3. SE 82 S	1649.0	1801.0	5.0
4. SE CNR	1587.0	1837.0	5.0
5. SE 82 E	1630.0	1910.0	5.0
6. SE 164 E	1664.0	1985.0	5.0
7. SE MID E	1685.0	2156.0	5.0
8. NE MID E	1604.0	2166.0	5.0
9. NE 164 E	1594.0	2092.0	5.0
10. NE 82 E	1555.0	2014.0	5.0
11. NE CNR	1499.0	1952.0	5.0
12. NE 82 N	1458.0	2002.0	5.0
13. NW 82 N	1404.0	1940.0	5.0
14. NW CNR	1440.0	1891.0	5.0
15. NW 82 W	1375.0	1860.0	5.0
16. NW 164 W	1291.0	1853.0	5.0
17. NW MID W	1121.0	1860.0	5.0
18. SW MID W	1116.0	1736.0	5.0
19. SW 164 W	1393.0	1726.0	5.0
20. SW 82 W	1471.0	1751.0	5.0
21. SW CNR	1546.0	1791.0	5.0
22. SW 82 S	1624.0	1752.0	5.0
23. SW 164 S	1704.0	1730.0	5.0
24. SW MID S	1845.0	1721.0	5.0

1

JOB: S10 Boston & Old Boston BDPM35 RUN: Site 10 Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.1	.2	.4	.5	.5	.4	.3	.2	.0	.0	.0	.8	.5	.2	.0	.0	.3	.9	.6
5.	.0	.1	.2	.4	.4	.5	.4	.3	.2	.2	.0	.0	.7	.5	.2	.0	.0	.3	.9	.5
10.	.0	.1	.1	.4	.4	.4	.2	.3	.3	.2	.0	.0	.7	.4	.2	.1	.0	.3	.9	.5
15.	.0	.1	.1	.3	.4	.4	.1	.3	.3	.2	.1	.0	.7	.4	.2	.1	.0	.3	.9	.5
20.	.0	.1	.1	.2	.3	.3	.1	.3	.3	.2	.1	.0	.7	.3	.2	.1	.0	.3	.9	.5
25.	.0	.1	.1	.2	.3	.2	.2	.3	.3	.3	.2	.1	.7	.4	.2	.1	.0	.3	.9	.5
30.	.0	.0	.1	.2	.3	.1	.1	.3	.4	.3	.2	.1	.7	.3	.2	.1	.0	.3	.9	.5
35.	.0	.0	.1	.2	.3	.1	.2	.3	.4	.4	.3	.1	.8	.4	.3	.1	.0	.3	.8	.3
40.	.0	.0	.0	.2	.2	.1	.3	.4	.4	.5	.3	.2	.8	.5	.3	.2	.0	.5	.8	.3
45.	.0	.0	.0	.0	.1	.1	.3	.3	.5	.4	.4	.1	.8	.4	.2	.2	.0	.6	.9	.3
50.	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.5	.1	.8	.5	.4	.2	.1	.6	.7	.2
55.	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.6	.1	.8	.6	.4	.2	.2	.6	.6	.2
60.	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.7	.1	.7	.6	.5	.2	.2	.5	.5	.2
65.	.0	.0	.0	.0	.0	.0	.3	.3	.4	.4	.7	.1	.8	.5	.4	.3	.2	.3	.3	.1
70.	.0	.0	.0	.0	.0	.0	.3	.3	.5	.5	.7	.1	.8	.5	.4	.3	.3	.3	.2	.1
75.	.1	.0	.0	.0	.0	.0	.3	.3	.4	.6	.8	.1	.8	.4	.4	.1	.2	.4	.1	.1
80.	.1	.1	.0	.0	.0	.0	.3	.3	.4	.5	.8	.1	.8	.4	.3	.2	.1	.4	.1	.1
85.	.3	.2	.0	.0	.0	.0	.3	.3	.4	.6	.9	.1	.8	.5	.3	.3	.2	.4	.0	.1
90.	.3	.2	.1	.0	.0	.0	.3	.3	.4	.6	.9	.2	.7	.3	.3	.3	.2	.3	.0	.1
95.	.3	.3	.2	.0	.0	.0	.3	.3	.4	.6	.9	.2	.6	.3	.4	.3	.2	.3	.0	.0
100.	.3	.3	.3	.1	.0	.0	.3	.3	.4	.6	1.0	.2	.6	.3	.4	.3	.4	.1	.0	.0
105.	.3	.3	.4	.1	.0	.0	.3	.3	.4	.6	1.0	.2	.6	.3	.3	.4	.4	.1	.0	.0
110.	.3	.3	.4	.2	.0	.0	.3	.3	.4	.6	.8	.2	.5	.3	.2	.4	.4	.1	.0	.0
115.	.3	.3	.5	.2	.0	.0	.3	.3	.4	.5	.9	.2	.5	.3	.2	.4	.4	.1	.0	.0
120.	.3	.2	.3	.2	.0	.0	.3	.3	.4	.6	.9	.2	.4	.3	.3	.4	.3	.0	.0	.0
125.	.3	.3	.4	.3	.0	.0	.2	.3	.4	.5	.9	.2	.3	.3	.3	.5	.4	.0	.0	.0
130.	.3	.4	.4	.3	.0	.0	.2	.3	.4	.5	.8	.2	.3	.3	.4	.4	.4	.0	.0	.0
135.	.3	.4	.4	.3	.0	.0	.2	.4	.4	.4	.7	.2	.3	.3	.4	.4	.4	.0	.0	.0
140.	.3	.4	.5	.4	.0	.0	.2	.5	.5	.5	.8	.2	.2	.3	.4	.3	.3	.0	.0	.0
145.	.3	.4	.5	.4	.0	.0	.3	.4	.4	.5	.6	.1	.1	.3	.5	.3	.3	.0	.0	.0
150.	.2	.4	.5	.4	.1	.0	.3	.4	.3	.5	.5	.1	.1	.2	.5	.3	.3	.0	.0	.0
155.	.2	.4	.5	.4	.1	.0	.3	.4	.4	.6	.5	.0	.2	.2	.4	.3	.3	.0	.0	.0
160.	.2	.3	.5	.4	.1	.0	.3	.4	.4	.6	.6	.0	.2	.3	.4	.3	.3	.0	.0	.0
165.	.2	.3	.5	.3	.1	.0	.3	.4	.4	.7	.4	.1	.2	.3	.4	.2	.3	.0	.0	.0
170.	.2	.3	.5	.3	.1	.0	.4	.3	.4	.6	.3	.1	.2	.3	.4	.2	.3	.0	.0	.0
175.	.2	.3	.4	.3	.1	.0	.5	.3	.3	.7	.3	.3	.2	.3	.4	.2	.3	.0	.0	.0
180.	.3	.3	.4	.3	.1	.0	.5	.3	.4	.7	.3	.5	.2	.4	.4	.3	.3	.0	.0	.0
185.	.2	.3	.3	.3	.1	.1	.5	.2	.4	.7	.3	.4	.2	.5	.4	.2	.3	.0	.0	.0
190.	.2	.3	.4	.3	.0	.1	.5	.3	.4	.8	.4	.4	.2	.4	.4	.2	.3	.0	.0	.0
195.	.2	.3	.4	.3	.0	.2	.5	.2	.3	.8	.4	.5	.2	.4	.4	.2	.3	.0	.0	.0
200.	.2	.3	.4	.3	.1	.2	.5	.2	.3	.8	.3	.6	.2	.4	.3	.2	.3	.0	.0	.0
205.	.2	.3	.4	.2	.1	.2	.6	.1	.2	.6	.3	.6	.1	.4	.3	.3	.3	.0	.0	.0

1

JOB: S10 Boston & Old Boston BDPM35 RUN: Site 10 Build PM 2035

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.2	.3	.4	.2	.2	.2	.7	.0	.2	.6	.3	.5	.1	.4	.3	.4	.3	.0	.0	.0
215.	.3	.3	.4	.2	.2	.2	.8	.1	.2	.4	.3	.5	.1	.4	.2	.4	.3	.0	.0	.0
220.	.3	.3	.4	.2	.2	.3	.6	.1	.2	.3	.4	.5	.1	.4	.3	.4	.3	.0	.0	.0
225.	.4	.3	.4	.3	.4	.4	.5	.1	.1	.2	.5	.5	.0	.4	.3	.4	.3	.0	.0	.0
230.	.4	.4	.4	.5	.4	.4	.5	.1	.1	.2	.3	.5	.1	.1	.4	.4	.4	.0	.0	.0
235.	.4	.4	.4	.5	.4	.5	.5	.1	.1	.1	.3	.5	.2	.2	.4	.3	.4	.0	.0	.0
240.	.4	.4	.4	.5	.4	.4	.4	.1	.1	.1	.4	.6	.2	.3	.5	.4	.4	.0	.0	.1
245.	.4	.4	.5	.4	.4	.3	.3	.1	.1	.1	.5	.6	.2	.4	.5	.4	.4	.0	.0	.1
250.	.4	.4	.6	.4	.4	.5	.4	.1	.1	.3	.4	.6	.2	.4	.5	.4	.4	.1	.0	.3
255.	.4	.4	.6	.4	.2	.5	.3	.0	.1	.3	.5	.6	.1	.3	.5	.4	.5	.1	.0	.3
260.	.4	.5	.6	.5	.3	.5	.3	.0	.1	.2	.5	.5	.1	.2	.4	.4	.5	.2	.1	.5
265.	.3	.4	.6	.6	.3	.5	.3	.0	.1	.2	.5	.5	.1	.1	.4	.4	.3	.2	.2	.6
270.	.2	.4	.7	.5	.4	.5	.3	.0	.0	.2	.4	.5	.0	.1	.2	.3	.3	.3	.3	.9
275.	.2	.4	.7	.4	.4	.5	.3	.0	.0	.1	.4	.5	.0	.1	.2	.3	.3	.3	.7	.9
280.	.1	.3	.5	.3	.4	.5	.3	.0	.0	.1	.4	.5	.0	.0	.2	.2	.2	.4	.7	1.0
285.	.1	.3	.4	.4	.5	.4	.3	.0	.0	.1	.5	.5	.0	.0	.1	.2	.2	.5	.8	.9
290.	.0	.2	.3	.5	.6	.4	.3	.0	.0	.1	.5	.5	.0	.0	.0	.1	.1	.5	.8	.9
295.	.0	.1	.4	.4	.6	.3	.3	.0	.0	.0	.5	.4	.0	.0	.0	.1	.1	.4	.8	.9
300.	.0	.1	.3	.4	.6	.3	.3	.0	.0	.0	.5	.4	.0	.0	.0	.0	.1	.4	.8	.8
305.	.0	.1	.3	.4	.6	.3	.3	.0	.0	.0	.4	.4	.0	.0	.0	.0	.0	.4	.8	.8
310.	.0	.1	.2	.4	.4	.3	.3	.0	.0	.0	.4	.1	.1	.1	.0	.0	.0	.4	.7	.8
315.	.0	.0	.2	.4	.4	.3	.3	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.4	.6	.9
320.	.0	.0	.2	.4	.4	.3	.3	.0	.0	.0	.1	.0	.3	.3	.0	.0	.0	.4	.8	.9
325.	.0	.0	.2	.4	.4	.3	.4	.0	.0	.0	.1	.0	.3	.4	.0	.0	.0	.4	.8	.9
330.	.0	.0	.3	.4	.4	.5	.4	.0	.0	.0	.0	.0	.4	.5	.0	.0	.0	.3	.8	.9
335.	.0	.1	.3	.4	.3	.5	.4	.0	.0	.0	.0	.0	.5	.6	.0	.0	.0	.3	.8	.9
340.	.0	.1	.3	.4	.4	.5	.4	.0	.0	.0	.0	.0	.6	.7	.1	.0	.0	.3	.7	.6
345.	.0	.1	.2	.4	.4	.7	.4	.1	.0	.0	.0	.0	.7	.7	.1	.0	.0	.3	.8	.6
350.	.0	.1	.2	.4	.4	.5	.4	.1	.0	.0	.0	.0	.7	.7	.1	.0	.0	.3	.8	.5
355.	.0	.1	.1	.4	.5	.5	.4	.1	.1	.0	.0	.0	.7	.6	.2	.0	.0	.3	.9	.5
360.	.0	.1	.2	.4	.5	.5	.4	.3	.2	.0	.0	.0	.8	.5	.2	.0	.0	.3	.9	.6
MAX	.4	.5	.7	.6	.6	.7	.8	.5	.5	.8	1.0	.6	.8	.7	.5	.5	.5	.6	.9	1.0
DEGR.	225	260	270	265	290	345	215	140	45	190	100	200	0	340	60	125	255	45	0	280

1

JOB: S10 Boston & Old Boston BDPM35 RUN: Site 10 Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC21	REC22	REC23	REC24
0.	.6	.4	.5	.2
5.	.5	.4	.5	.2
10.	.5	.4	.5	.2
15.	.5	.4	.5	.2
20.	.5	.4	.5	.2
25.	.5	.4	.5	.2
30.	.5	.4	.4	.2
35.	.5	.4	.4	.2
40.	.3	.3	.4	.2
45.	.2	.3	.4	.3
50.	.2	.4	.5	.3
55.	.3	.4	.5	.3
60.	.3	.4	.6	.3
65.	.3	.4	.5	.3
70.	.4	.4	.5	.3
75.	.4	.5	.5	.3
80.	.4	.4	.5	.3
85.	.4	.5	.5	.3
90.	.5	.5	.5	.3
95.	.5	.5	.5	.3
100.	.5	.4	.4	.2
105.	.3	.3	.2	.1
110.	.2	.2	.1	.1
115.	.2	.2	.1	.0
120.	.1	.0	.1	.0
125.	.1	.0	.0	.0
130.	.0	.0	.0	.0
135.	.0	.0	.0	.0
140.	.0	.0	.0	.0
145.	.0	.0	.0	.0
150.	.0	.0	.0	.0
155.	.0	.0	.0	.0
160.	.0	.0	.0	.0
165.	.0	.0	.0	.0
170.	.0	.0	.0	.0
175.	.0	.0	.0	.0
180.	.0	.0	.0	.0
185.	.0	.0	.0	.0
190.	.0	.0	.0	.0
195.	.0	.0	.0	.0

200.	*	.0	.0	.0	.0
205.	*	.0	.0	.0	.0

1

JOB: S10 Boston & Old Boston BDPM35 RUN: Site 10 Build PM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24
210.	*	.0	.0	.0	.0
215.	*	.0	.0	.0	.0
220.	*	.0	.0	.0	.0
225.	*	.0	.0	.0	.0
230.	*	.0	.0	.0	.0
235.	*	.2	.0	.0	.1
240.	*	.2	.0	.0	.1
245.	*	.2	.0	.0	.1
250.	*	.4	.0	.0	.1
255.	*	.5	.0	.0	.1
260.	*	.6	.1	.0	.2
265.	*	.6	.1	.0	.2
270.	*	.7	.1	.1	.2
275.	*	.6	.2	.1	.2
280.	*	.4	.2	.2	.2
285.	*	.4	.1	.2	.4
290.	*	.3	.2	.3	.4
295.	*	.2	.2	.4	.4
300.	*	.2	.2	.4	.4
305.	*	.4	.3	.5	.3
310.	*	.5	.3	.6	.3
315.	*	.5	.5	.6	.3
320.	*	.5	.6	.5	.2
325.	*	.5	.6	.4	.2
330.	*	.5	.6	.4	.2
335.	*	.6	.4	.4	.2
340.	*	.6	.4	.4	.2
345.	*	.7	.5	.5	.2
350.	*	.7	.4	.5	.2
355.	*	.7	.4	.5	.2
360.	*	.6	.4	.5	.2
MAX	*	.7	.6	.6	.4
DEGR.	*	270	320	60	285

THE HIGHEST CONCENTRATION IS 1.00 PPM AT 100 DEGREES FROM REC11.
THE 2ND HIGHEST CONCENTRATION IS 1.00 PPM AT 280 DEGREES FROM REC20.
THE 3RD HIGHEST CONCENTRATION IS .90 PPM AT 0 DEGREES FROM REC19.

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S10 Boston & Old Boston NBAM21          60.0321.0.0000.000240.30480000    1    1
SE MID S                 1855.     1773.       5.0
SE 164 S                 1729.     1780.       5.0
SE 82 S                  1649.     1801.       5.0
SE CNR                   1587.     1837.       5.0
SE 82 E                  1630.     1910.       5.0
SE 164 E                 1664.     1985.       5.0
SE MID E                 1685.     2156.       5.0
NE MID E                 1604.     2166.       5.0
NE 164 E                 1594.     2092.       5.0
NE 82 E                  1555.     2014.       5.0
NE CNR                   1499.     1952.       5.0
NE 82 N                  1458.     2002.       5.0
NW 82 N                  1404.     1940.       5.0
NW CNR                   1440.     1891.       5.0
NW 82 W                  1375.     1860.       5.0
NW 164 W                 1291.     1853.       5.0
NW MID W                 1121.     1860.       5.0
SW MID W                 1116.     1736.       5.0
SW 164 W                 1393.     1726.       5.0
SW 82 W                  1471.     1751.       5.0
SW CNR                   1546.     1791.       5.0
SW 82 S                  1624.     1752.       5.0
SW 164 S                 1704.     1730.       5.0
SW MID S                 1845.     1721.       5.0
Site 10 No Build AM 2021                 34  1   0
  1
EB        Bos ap    AG   539.  1791.   635.  1785.   1090. 8.1   0  44   35.
  1
EB        Bos ap    AG   635.  1785.   741.  1773.   1090. 8.1   0  44   35.
  1
EB        Bos ap    AG   741.  1773.  1256.  1754.   1090. 8.1   0  44   35.
  1
EB        Bos thru  AG  1256.  1754.  1359.  1755.    550. 8.1   0  44   35.
  1
EB        Bos thru  AG  1359.  1755.  1493.  1793.    550. 8.1   0  44   35.
  2
EB        Bos thru  AG  1463.  1785.  1369.  1758.      0.  24   2
       110        34       2.0  550   43.6 1783 1 3
  1
EB        Bos right AG  1256.  1754.  1363.  1739.    540. 8.1   0  32   35.
  1
EB        Bos right AG  1363.  1739.  1473.  1768.    540. 8.1   0  32   30.
  2
EB        Bos right AG  1464.  1766.  1375.  1742.      0.  12   1
       110         6       2.0  540   43.6 1595 1 3
  1
EB        Bos right AG  1473.  1768.  1543.  1813.    540. 8.1   0  32   35.
  1
EB        Bos dep   AG  1493.  1793.  1580.  1875.    560. 8.1   0  44   35.
  1
EB        Bos dep   AG  1580.  1875.  1629.  1948.    560. 8.1   0  44   35.
  1
EB        Bos dep   AG  1629.  1948.  1653.  2029.    560. 8.1   0  44   35.
  1
EB        Bos dep   AG  1653.  2029.  1661.  2113.    560. 8.1   0  44   35.
  1
EB        Bos dep   AG  1661.  2113.  1690.  2826.    560. 8.1   0  44   35.
  1
WB        Bos ap    AG  1660.  2832.  1631.  2131.    540. 8.1   0  56   35.
  1
WB        Bos ap    AG  1631.  2131.  1613.  2039.    540. 8.1   0  56   35.
  1
WB        Bos thru  AG  1613.  2039.  1573.  1982.    530. 8.1   0  44   35.
  1
WB        Bos thru  AG  1573.  1982.  1494.  1896.    530. 8.1   0  44   35.
  2
WB        Bos thru  AG  1521.  1925.  1567.  1975.      0.  24   2
       110        32       2.0  530   43.6 1783 1 3
  1
WB        Bos left  AG  1613.  2039.  1589.  1975.     10. 8.1   0  32   35.
  1
WB        Bos left  AG  1589.  1975.  1505.  1884.     10. 8.1   0  32   35.
  2
WB        Bos left  AG  1532.  1914.  1583.  1968.      0.  12   1
       110        54       2.0   10   43.6 1783 1 3
  1
WB        Bos dep   AG  1494.  1896.  1437.  1858.   1150. 8.1   0  44   35.
  1
WB        Bos dep   AG  1437.  1858.  1364.  1835.   1150. 8.1   0  44   35.
  1
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WB        Bos dep   AG  1364.  1835.  1286.  1832.   1150. 8.1   0  44   35.
  1
WB        Bos dep   AG  1286.  1832.   536.  1861.   1150. 8.1   0  44   35.
  1
NB        OB ap     AG  2532.  1737.  1742.  1758.    630. 8.1   0  32   35.
  1
NB        OB ap     AG  1742.  1758.  1656.  1776.    630. 8.1   0  32   35.
  1
NB        OB ap     AG  1656.  1776.  1559.  1826.    630. 8.1   0  32   35.
  2
NB        OB ap     AG  1582.  1815.  1650.  1780.      0.  12   1
       110        27       2.0  630   43.6 1786 1 3
  1
SB        OB dep2   AG  1543.  1813.  1646.  1764.    550. 8.1   0  32   35.
  1
SB        OB dep2   AG  1646.  1764.  1747.  1742.    550. 8.1   0  32   35.
  1
SB        OB dep2   AG  1747.  1742.  2526.  1720.    550. 8.1   0  32   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S10 Boston & Old Boston NBAM21 RUN: Site 10 No Build AM 2021
DATE: 09/07/2012 TIME: 11:24:05.27

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Bos ap	*	539.0	1791.0	635.0	1785.0	*	96.	94.	AG	1090.	8.1	.0	44.0		
2. EB	Bos ap	*	635.0	1785.0	741.0	1773.0	*	107.	96.	AG	1090.	8.1	.0	44.0		
3. EB	Bos ap	*	741.0	1773.0	1256.0	1754.0	*	515.	92.	AG	1090.	8.1	.0	44.0		
4. EB	Bos thru	*	1256.0	1754.0	1359.0	1755.0	*	103.	89.	AG	550.	8.1	.0	44.0		
5. EB	Bos thru	*	1359.0	1755.0	1493.0	1793.0	*	139.	74.	AG	550.	8.1	.0	44.0		
6. EB	Bos thru	*	1463.0	1785.0	1413.9	1770.9	*	51.	254.	AG	72.	100.0	.0	24.0	.24	2.6
7. EB	Bos right	*	1256.0	1754.0	1363.0	1739.0	*	108.	98.	AG	540.	8.1	.0	32.0		
8. EB	Bos right	*	1363.0	1739.0	1473.0	1768.0	*	114.	75.	AG	540.	8.1	.0	32.0		
9. EB	Bos right	*	1464.0	1766.0	1446.9	1761.4	*	18.	255.	AG	6.	100.0	.0	12.0	.37	.9
10. EB	Bos right	*	1473.0	1768.0	1543.0	1813.0	*	83.	57.	AG	540.	8.1	.0	32.0		
11. EB	Bos dep	*	1493.0	1793.0	1580.0	1875.0	*	120.	47.	AG	560.	8.1	.0	44.0		
12. EB	Bos dep	*	1580.0	1875.0	1629.0	1948.0	*	88.	34.	AG	560.	8.1	.0	44.0		
13. EB	Bos dep	*	1629.0	1948.0	1653.0	2029.0	*	84.	17.	AG	560.	8.1	.0	44.0		
14. EB	Bos dep	*	1653.0	2029.0	1661.0	2113.0	*	84.	5.	AG	560.	8.1	.0	44.0		
15. EB	Bos dep	*	1661.0	2113.0	1690.0	2826.0	*	714.	2.	AG	560.	8.1	.0	44.0		
16. WB	Bos ap	*	1660.0	2832.0	1631.0	2131.0	*	702.	182.	AG	540.	8.1	.0	56.0		
17. WB	Bos ap	*	1631.0	2131.0	1613.0	2039.0	*	94.	191.	AG	540.	8.1	.0	56.0		
18. WB	Bos thru	*	1613.0	2039.0	1573.0	1982.0	*	70.	215.	AG	530.	8.1	.0	44.0		
19. WB	Bos thru	*	1573.0	1982.0	1494.0	1896.0	*	117.	223.	AG	530.	8.1	.0	44.0		
20. WB	Bos thru	*	1521.0	1925.0	1552.4	1959.1	*	46.	43.	AG	68.	100.0	.0	24.0	.22	2.4
21. WB	Bos left	*	1613.0	2039.0	1589.0	1975.0	*	68.	201.	AG	10.	8.1	.0	32.0		
22. WB	Bos left	*	1589.0	1975.0	1505.0	1884.0	*	124.	223.	AG	10.	8.1	.0	32.0		
23. WB	Bos left	*	1532.0	1914.0	1534.0	1916.1	*	3.	43.	AG	57.	100.0	.0	12.0	.01	.2
24. WB	Bos dep	*	1494.0	1896.0	1437.0	1858.0	*	69.	236.	AG	1150.	8.1	.0	44.0		
25. WB	Bos dep	*	1437.0	1858.0	1364.0	1835.0	*	77.	253.	AG	1150.	8.1	.0	44.0		
26. WB	Bos dep	*	1364.0	1835.0	1286.0	1832.0	*	78.	268.	AG	1150.	8.1	.0	44.0		
27. WB	Bos dep	*	1286.0	1832.0	536.0	1861.0	*	751.	272.	AG	1150.	8.1	.0	44.0		
28. NB	OB ap	*	2532.0	1737.0	1742.0	1758.0	*	790.	272.	AG	630.	8.1	.0	32.0		
29. NB	OB ap	*	1742.0	1758.0	1656.0	1776.0	*	88.	282.	AG	630.	8.1	.0	32.0		
30. NB	OB ap	*	1656.0	1776.0	1559.0	1826.0	*	109.	297.	AG	630.	8.1	.0	32.0		
31. NB	OB ap	*	1582.0	1815.0	1664.7	1772.4	*	93.	117.	AG	29.	100.0	.0	12.0	.49	4.7
32. SB	OB dep2	*	1543.0	1813.0	1646.0	1764.0	*	114.	115.	AG	550.	8.1	.0	32.0		
33. SB	OB dep2	*	1646.0	1764.0	1747.0	1742.0	*	103.	102.	AG	550.	8.1	.0	32.0		
34. SB	OB dep2	*	1747.0	1742.0	2526.0	1720.0	*	779.	92.	AG	550.	8.1	.0	32.0		

JOB: S10 Boston & Old Boston NBAM21 RUN: Site 10 No Build AM 2021
DATE: 09/07/2012 TIME: 11:24:05.27

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. EB	Bos thru	*	110	34	2.0	550	1783	43.60	1	3
9. EB	Bos right	*	110	6	2.0	540	1595	43.60	1	3
20. WB	Bos thru	*	110	32	2.0	530	1783	43.60	1	3
23. WB	Bos left	*	110	54	2.0	10	1783	43.60	1	3
31. NB	OB ap	*	110	27	2.0	630	1786	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1855.0	1773.0	5.0	*
2. SE 164 S	*	1729.0	1780.0	5.0	*
3. SE 82 S	*	1649.0	1801.0	5.0	*
4. SE CNR	*	1587.0	1837.0	5.0	*
5. SE 82 E	*	1630.0	1910.0	5.0	*
6. SE 164 E	*	1664.0	1985.0	5.0	*
7. SE MID E	*	1685.0	2156.0	5.0	*
8. NE MID E	*	1604.0	2166.0	5.0	*
9. NE 164 E	*	1594.0	2092.0	5.0	*
10. NE 82 E	*	1555.0	2014.0	5.0	*
11. NE CNR	*	1499.0	1952.0	5.0	*
12. NE 82 N	*	1458.0	2002.0	5.0	*
13. NW 82 N	*	1404.0	1940.0	5.0	*
14. NW CNR	*	1440.0	1891.0	5.0	*
15. NW 82 W	*	1375.0	1860.0	5.0	*
16. NW 164 W	*	1291.0	1853.0	5.0	*
17. NW MID W	*	1121.0	1860.0	5.0	*
18. SW MID W	*	1116.0	1736.0	5.0	*
19. SW 164 W	*	1393.0	1726.0	5.0	*
20. SW 82 W	*	1471.0	1751.0	5.0	*
21. SW CNR	*	1546.0	1791.0	5.0	*

22. SW 82 S	*	1624.0	1752.0	5.0	*
23. SW 164 S	*	1704.0	1730.0	5.0	*
24. SW MID S	*	1845.0	1721.0	5.0	*

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JOB: S10 Boston & Old Boston NBAM21 RUN: Site 10 No Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.0	.0	.2	.4	.4	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
5.	.0	.0	.0	.1	.4	.4	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
10.	.0	.0	.0	.1	.3	.3	.2	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
15.	.0	.0	.0	.1	.2	.3	.1	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
20.	.0	.0	.0	.1	.2	.1	.1	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.4	.5	.4
25.	.0	.0	.0	.1	.2	.0	.1	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.4	.5	.4
30.	.0	.0	.0	.1	.2	.0	.0	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.4	.5	.4
35.	.0	.0	.0	.1	.1	.0	.0	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4
40.	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1	.0	.0	.0	.0	.1	.0	.0	.4	.4	.4
45.	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1	.0	.0	.0	.2	.1	.0	.0	.4	.4	.3
50.	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2	.0	.0	.0	.2	.1	.0	.0	.4	.4	.3
55.	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2	.1	.0	.0	.2	.2	.1	.0	.5	.4	.2
60.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.1	.0	.0	.2	.2	.1	.1	.5	.4	.2
65.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.1	.0	.0	.3	.3	.1	.1	.5	.2	.1
70.	.1	.0	.0	.0	.0	.0	.0	.2	.1	.1	.2	.0	.0	.3	.3	.1	.1	.4	.1	.2
75.	.1	.1	.0	.0	.0	.0	.0	.2	.1	.1	.2	.0	.0	.3	.3	.2	.1	.4	.1	.1
80.	.1	.1	.0	.0	.0	.0	.0	.2	.2	.1	.2	.0	.0	.3	.4	.3	.2	.4	.1	.0
85.	.3	.2	.1	.0	.0	.0	.0	.2	.2	.1	.2	.0	.0	.3	.4	.3	.2	.3	.0	.0
90.	.3	.3	.2	.0	.0	.0	.0	.2	.2	.1	.2	.0	.1	.3	.4	.4	.3	.3	.0	.1
95.	.4	.3	.3	.1	.0	.0	.0	.2	.2	.2	.2	.0	.1	.3	.4	.4	.4	.2	.0	.0
100.	.4	.3	.3	.2	.0	.0	.0	.2	.2	.2	.2	.0	.0	.3	.4	.4	.4	.2	.0	.0
105.	.4	.3	.3	.2	.0	.0	.0	.2	.2	.2	.2	.0	.0	.3	.4	.4	.4	.1	.0	.0
110.	.5	.3	.3	.2	.1	.0	.0	.2	.2	.2	.2	.0	.1	.4	.4	.5	.4	.1	.0	.0
115.	.4	.4	.4	.2	.1	.0	.0	.2	.2	.2	.2	.1	.1	.4	.4	.5	.4	.1	.0	.0
120.	.4	.4	.4	.1	.1	.0	.0	.2	.2	.2	.2	.1	.1	.4	.3	.4	.4	.1	.0	.0
125.	.3	.4	.2	.1	.1	.0	.0	.2	.2	.1	.2	.1	.1	.4	.3	.4	.5	.0	.0	.0
130.	.3	.3	.4	.2	.0	.0	.0	.2	.2	.1	.2	.1	.1	.4	.4	.4	.5	.0	.0	.0
135.	.3	.3	.3	.4	.0	.0	.0	.2	.2	.1	.2	.1	.1	.4	.4	.3	.5	.0	.0	.0
140.	.3	.3	.3	.4	.0	.0	.0	.3	.1	.1	.2	.1	.1	.3	.4	.3	.5	.0	.0	.0
145.	.3	.3	.3	.4	.0	.0	.0	.3	.1	.1	.2	.1	.1	.3	.4	.3	.4	.0	.0	.0
150.	.3	.4	.3	.4	.0	.0	.0	.3	.2	.2	.2	.0	.1	.3	.4	.3	.4	.0	.0	.0
155.	.3	.4	.3	.4	.0	.0	.0	.3	.2	.2	.2	.0	.2	.3	.4	.3	.4	.0	.0	.0
160.	.3	.3	.4	.4	.0	.0	.0	.3	.2	.1	.2	.1	.2	.3	.4	.4	.4	.0	.0	.0
165.	.3	.2	.4	.4	.0	.0	.0	.2	.2	.1	.2	.1	.1	.3	.4	.4	.4	.0	.0	.0
170.	.3	.2	.4	.4	.0	.0	.0	.2	.2	.1	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0
175.	.3	.3	.4	.4	.0	.0	.1	.2	.2	.1	.2	.1	.1	.4	.4	.5	.4	.0	.0	.0
180.	.3	.3	.3	.3	.0	.0	.2	.2	.2	.2	.2	.1	.1	.4	.3	.4	.4	.0	.0	.0
185.	.3	.3	.4	.3	.1	.0	.2	.1	.2	.2	.2	.1	.1	.4	.4	.4	.4	.0	.0	.0
190.	.3	.3	.4	.3	.1	.1	.2	.1	.2	.2	.2	.1	.1	.5	.3	.3	.4	.0	.0	.0
195.	.3	.3	.4	.3	.1	.1	.2	.0	.2	.2	.2	.1	.1	.5	.3	.4	.4	.0	.0	.0
200.	.3	.3	.4	.3	.1	.2	.2	.0	.0	.2	.2	.1	.2	.3	.3	.4	.4	.0	.0	.0
205.	.3	.3	.4	.3	.2	.2	.3	.0	.0	.2	.1	.1	.2	.3	.4	.4	.4	.0	.0	.0

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JOB: S10 Boston & Old Boston NBAM21 RUN: Site 10 No Build AM 2021

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.3	.3	.4	.3	.1	.2	.3	.0	.0	.3	.2	.0	.1	.3	.4	.4	.4	.0	.0	.0
215.	.3	.3	.4	.3	.2	.2	.3	.0	.0	.2	.2	.0	.1	.3	.4	.5	.4	.0	.0	.0
220.	.3	.3	.4	.3	.2	.2	.2	.0	.0	.2	.2	.0	.1	.3	.4	.5	.4	.0	.0	.0
225.	.3	.3	.4	.3	.2	.2	.2	.0	.0	.0	.2	.0	.3	.4	.5	.5	.5	.0	.0	.0
230.	.3	.3	.4	.4	.2	.2	.2	.0	.0	.0	.2	.2	.3	.4	.5	.5	.5	.0	.0	.0
235.	.3	.3	.4	.4	.2	.2	.2	.0	.0	.0	.1	.2	.2	.4	.6	.6	.5	.0	.0	.1
240.	.3	.3	.4	.4	.3	.1	.2	.1	.1	.1	.2	.2	.2	.5	.6	.6	.5	.0	.0	.1
245.	.3	.3	.4	.4	.3	.2	.3	.1	.1	.2	.2	.2	.2	.4	.6	.6	.6	.1	.0	.1
250.	.3	.3	.4	.4	.3	.3	.2	.0	.1	.1	.2	.1	.2	.4	.6	.6	.6	.1	.0	.1
255.	.3	.3	.4	.4	.5	.3	.2	.0	.1	.1	.2	.1	.2	.4	.6	.6	.6	.1	.0	.2
260.	.3	.3	.4	.4	.4	.3	.2	.0	.0	.1	.1	.1	.1	.4	.6	.6	.6	.2	.2	.4
265.	.2	.5	.6	.4	.3	.2	.3	.0	.0	.0	.1	.1	.1	.2	.6	.6	.6	.3	.3	.5
270.	.2	.5	.6	.5	.3	.1	.3	.0	.0	.0	.1	.0	.1	.1	.4	.6	.5	.3	.5	.5
275.	.1	.4	.5	.4	.4	.2	.3	.0	.0	.0	.0	.0	.0	.1	.3	.4	.4	.5	.5	.5
280.	.1	.4	.6	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.1	.2	.3	.3	.5	.5	.6
285.	.1	.2	.5	.2	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.6	.5	.6
290.	.1	.2	.3	.2	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.5	.6
295.	.0	.0	.2	.2	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.5	.5	.6
300.	.0	.0	.2	.2	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.6
305.	.0	.0	.1	.2	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.5	.6
310.	.0	.0	.1	.1	.2	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6	.5
315.	.0	.0	.0	.1	.2	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5
320.	.0	.0	.0	.1	.1	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5
325.	.0	.0	.0	.2	.1	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4

330.	*	.0	.0	.0	.2	.1	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
335.	*	.0	.0	.0	.2	.1	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
340.	*	.0	.0	.0	.2	.1	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.5
345.	*	.0	.0	.0	.2	.2	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5
350.	*	.0	.0	.0	.2	.2	.5	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
355.	*	.0	.0	.0	.2	.3	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.5
360.	*	.0	.0	.0	.2	.4	.4	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
MAX	*	.5	.5	.6	.5	.5	.5	.4	.3	.3	.3	.2	.2	.3	.5	.6	.6	.6	.6	.6	.6
DEGR.	*	110	265	265	270	255	345	345	0	10	30	70	230	225	190	235	235	245	285	310	280

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JOB: S10 Boston & Old Boston NBAM21 RUN: Site 10 No Build AM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24
0.	*	.3	.2	.2	.3
5.	*	.3	.2	.2	.3
10.	*	.2	.2	.2	.3
15.	*	.2	.2	.2	.3
20.	*	.3	.2	.2	.2
25.	*	.4	.2	.2	.2
30.	*	.4	.2	.2	.3
35.	*	.4	.2	.2	.3
40.	*	.2	.2	.2	.3
45.	*	.2	.2	.3	.3
50.	*	.3	.4	.3	.3
55.	*	.3	.4	.3	.4
60.	*	.3	.3	.4	.4
65.	*	.3	.3	.4	.4
70.	*	.3	.3	.3	.4
75.	*	.3	.4	.4	.5
80.	*	.3	.5	.5	.5
85.	*	.3	.4	.5	.3
90.	*	.4	.4	.4	.3
95.	*	.5	.4	.3	.3
100.	*	.5	.4	.3	.2
105.	*	.4	.3	.2	.1
110.	*	.2	.1	.1	.1
115.	*	.1	.1	.0	.0
120.	*	.1	.0	.0	.0
125.	*	.1	.0	.0	.0
130.	*	.1	.0	.0	.0
135.	*	.0	.0	.0	.0
140.	*	.0	.0	.0	.0
145.	*	.0	.0	.0	.0
150.	*	.0	.0	.0	.0
155.	*	.0	.0	.0	.0
160.	*	.0	.0	.0	.0
165.	*	.0	.0	.0	.0
170.	*	.0	.0	.0	.0
175.	*	.0	.0	.0	.0
180.	*	.0	.0	.0	.0
185.	*	.0	.0	.0	.0
190.	*	.0	.0	.0	.0
195.	*	.0	.0	.0	.0
200.	*	.0	.0	.0	.0
205.	*	.0	.0	.0	.0

1

JOB: S10 Boston & Old Boston NBAM21 RUN: Site 10 No Build AM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24
210.	*	.0	.0	.0	.0
215.	*	.0	.0	.0	.0
220.	*	.0	.0	.0	.0
225.	*	.0	.0	.0	.0
230.	*	.1	.0	.0	.0
235.	*	.1	.0	.0	.0
240.	*	.1	.0	.0	.0
245.	*	.3	.0	.0	.0
250.	*	.3	.0	.0	.0
255.	*	.4	.0	.0	.0
260.	*	.7	.0	.0	.1
265.	*	.7	.1	.0	.1
270.	*	.6	.2	.0	.1
275.	*	.6	.2	.1	.1

```
280.  *    .6    .1    .2    .3
285.  *    .6    .2    .3    .3
290.  *    .5    .2    .2    .3
295.  *    .4    .1    .3    .3
300.  *    .4    .1    .3    .3
305.  *    .3    .1    .4    .3
310.  *    .3    .4    .5    .3
315.  *    .3    .4    .4    .3
320.  *    .3    .4    .4    .3
325.  *    .3    .3    .3    .3
330.  *    .4    .3    .3    .3
335.  *    .4    .3    .3    .3
340.  *    .3    .3    .2    .2
345.  *    .3    .3    .2    .2
350.  *    .3    .3    .2    .3
355.  *    .3    .3    .2    .3
360.  *    .3    .2    .2    .3
------*-----------------------
MAX   *    .7    .5    .5    .5
DEGR. *  260    80    80    75

THE HIGHEST CONCENTRATION IS     .70 PPM AT  260 DEGREES FROM REC21.
THE 2ND HIGHEST CONCENTRATION IS     .60 PPM AT  265 DEGREES FROM REC3 .
THE 3RD HIGHEST CONCENTRATION IS     .60 PPM AT  235 DEGREES FROM REC15.
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S10 Boston & Old Boston NBAM35          60.0321.0.0000.000240.30480000    1    1
SE MID S                 1855.     1773.       5.0
SE 164 S                 1729.     1780.       5.0
SE 82 S                  1649.     1801.       5.0
SE CNR                   1587.     1837.       5.0
SE 82 E                  1630.     1910.       5.0
SE 164 E                 1664.     1985.       5.0
SE MID E                 1685.     2156.       5.0
NE MID E                 1604.     2166.       5.0
NE 164 E                 1594.     2092.       5.0
NE 82 E                  1555.     2014.       5.0
NE CNR                   1499.     1952.       5.0
NE 82 N                  1458.     2002.       5.0
NW 82 N                  1404.     1940.       5.0
NW CNR                   1440.     1891.       5.0
NW 82 W                  1375.     1860.       5.0
NW 164 W                 1291.     1853.       5.0
NW MID W                 1121.     1860.       5.0
SW MID W                 1116.     1736.       5.0
SW 164 W                 1393.     1726.       5.0
SW 82 W                  1471.     1751.       5.0
SW CNR                   1546.     1791.       5.0
SW 82 S                  1624.     1752.       5.0
SW 164 S                 1704.     1730.       5.0
SW MID S                 1845.     1721.       5.0
Site 10 No Build AM 2035                 34  1   0
  1
EB        Bos ap    AG   539.  1791.   635.  1785.   1765. 7.8   0  44   35.
  1
EB        Bos ap    AG   635.  1785.   741.  1773.   1765. 7.8   0  44   35.
  1
EB        Bos ap    AG   741.  1773.  1256.  1754.   1765. 7.8   0  44   35.
  1
EB        Bos thru  AG  1256.  1754.  1359.  1755.    815. 7.8   0  44   35.
  1
EB        Bos thru  AG  1359.  1755.  1493.  1793.    815. 7.8   0  44   35.
  2
EB        Bos thru  AG  1463.  1785.  1369.  1758.      0.  24   2
       110        64       2.0  815   42.1 1783 1 3
  1
EB        Bos right AG  1256.  1754.  1363.  1739.    950. 7.8   0  32   35.
  1
EB        Bos right AG  1363.  1739.  1473.  1768.    950. 7.8   0  32   30.
  2
EB        Bos right AG  1464.  1766.  1375.  1742.      0.  12   1
       110         8       2.0  950   42.1 1595 1 3
  1
EB        Bos right AG  1473.  1768.  1543.  1813.    950. 7.8   0  32   35.
  1
EB        Bos dep   AG  1493.  1793.  1580.  1875.    825. 7.8   0  44   35.
  1
EB        Bos dep   AG  1580.  1875.  1629.  1948.    825. 7.8   0  44   35.
  1
EB        Bos dep   AG  1629.  1948.  1653.  2029.    825. 7.8   0  44   35.
  1
EB        Bos dep   AG  1653.  2029.  1661.  2113.    825. 7.8   0  44   35.
  1
EB        Bos dep   AG  1661.  2113.  1690.  2826.    825. 7.8   0  44   35.
  1
WB        Bos ap    AG  1660.  2832.  1631.  2131.    775. 7.8   0  56   35.
  1
WB        Bos ap    AG  1631.  2131.  1613.  2039.    775. 7.8   0  56   35.
  1
WB        Bos thru  AG  1613.  2039.  1573.  1982.    765. 7.8   0  44   35.
  1
WB        Bos thru  AG  1573.  1982.  1494.  1896.    765. 7.8   0  44   35.
  2
WB        Bos thru  AG  1521.  1925.  1567.  1975.      0.  24   2
       110        60       2.0  765   42.1 1783 1 3
  1
WB        Bos left  AG  1613.  2039.  1589.  1975.     10. 7.8   0  32   35.
  1
WB        Bos left  AG  1589.  1975.  1505.  1884.     10. 7.8   0  32   35.
  2
WB        Bos left  AG  1532.  1914.  1583.  1968.      0.  12   1
       110       100       2.0   10   42.1 1783 1 3
  1
WB        Bos dep   AG  1494.  1896.  1437.  1858.   1655. 7.8   0  44   35.
  1
WB        Bos dep   AG  1437.  1858.  1364.  1835.   1655. 7.8   0  44   35.
  1
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WB        Bos dep   AG  1364.  1835.  1286.  1832.   1655. 7.8   0  44   35.
  1
WB        Bos dep   AG  1286.  1832.   536.  1861.   1655. 7.8   0  44   35.
  1
NB        OB ap     AG  2532.  1737.  1742.  1758.    900. 7.8   0  32   35.
  1
NB        OB ap     AG  1742.  1758.  1656.  1776.    900. 7.8   0  32   35.
  1
NB        OB ap     AG  1656.  1776.  1559.  1826.    900. 7.8   0  32   35.
  2
NB        OB ap     AG  1582.  1815.  1650.  1780.      0.  12   1
       110        50       2.0  900   42.1 1786 1 3
  1
SB        OB dep2   AG  1543.  1813.  1646.  1764.    960. 7.8   0  32   35.
  1
SB        OB dep2   AG  1646.  1764.  1747.  1742.    960. 7.8   0  32   35.
  1
SB        OB dep2   AG  1747.  1742.  2526.  1720.    960. 7.8   0  32   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S10 Boston & Old Boston NBAM35 RUN: Site 10 No Build AM 2035
DATE: 08/31/2012 TIME: 14:36:53.78

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Bos ap	*	539.0	1791.0	635.0	1785.0	*	96.	94.	AG	1765.	7.8	.0	44.0		
2. EB	Bos ap	*	635.0	1785.0	741.0	1773.0	*	107.	96.	AG	1765.	7.8	.0	44.0		
3. EB	Bos ap	*	741.0	1773.0	1256.0	1754.0	*	515.	92.	AG	1765.	7.8	.0	44.0		
4. EB	Bos thru	*	1256.0	1754.0	1359.0	1755.0	*	103.	89.	AG	815.	7.8	.0	44.0		
5. EB	Bos thru	*	1359.0	1755.0	1493.0	1793.0	*	139.	74.	AG	815.	7.8	.0	44.0		
6. EB	Bos thru	*	1463.0	1785.0	1326.1	1745.7	*	142.	254.	AG	131.	100.0	.0	24.0	.60	7.2
7. EB	Bos right	*	1256.0	1754.0	1363.0	1739.0	*	108.	98.	AG	950.	7.8	.0	32.0		
8. EB	Bos right	*	1363.0	1739.0	1473.0	1768.0	*	114.	75.	AG	950.	7.8	.0	32.0		
9. EB	Bos right	*	1464.0	1766.0	1423.9	1755.2	*	42.	255.	AG	8.	100.0	.0	12.0	.67	2.1
10. EB	Bos right	*	1473.0	1768.0	1543.0	1813.0	*	83.	57.	AG	950.	7.8	.0	32.0		
11. EB	Bos dep	*	1493.0	1793.0	1580.0	1875.0	*	120.	47.	AG	825.	7.8	.0	44.0		
12. EB	Bos dep	*	1580.0	1875.0	1629.0	1948.0	*	88.	34.	AG	825.	7.8	.0	44.0		
13. EB	Bos dep	*	1629.0	1948.0	1653.0	2029.0	*	84.	17.	AG	825.	7.8	.0	44.0		
14. EB	Bos dep	*	1653.0	2029.0	1661.0	2113.0	*	84.	5.	AG	825.	7.8	.0	44.0		
15. EB	Bos dep	*	1661.0	2113.0	1690.0	2826.0	*	714.	2.	AG	825.	7.8	.0	44.0		
16. WB	Bos ap	*	1660.0	2832.0	1631.0	2131.0	*	702.	182.	AG	775.	7.8	.0	56.0		
17. WB	Bos ap	*	1631.0	2131.0	1613.0	2039.0	*	94.	191.	AG	775.	7.8	.0	56.0		
18. WB	Bos thru	*	1613.0	2039.0	1573.0	1982.0	*	70.	215.	AG	765.	7.8	.0	44.0		
19. WB	Bos thru	*	1573.0	1982.0	1494.0	1896.0	*	117.	223.	AG	765.	7.8	.0	44.0		
20. WB	Bos thru	*	1521.0	1925.0	1605.9	2017.2	*	125.	43.	AG	123.	100.0	.0	24.0	.51	6.4
21. WB	Bos left	*	1613.0	2039.0	1589.0	1975.0	*	68.	201.	AG	10.	7.8	.0	32.0		
22. WB	Bos left	*	1589.0	1975.0	1505.0	1884.0	*	124.	223.	AG	10.	7.8	.0	32.0		
23. WB	Bos left	*	1532.0	1914.0	1535.8	1918.0	*	5.	43.	AG	103.	100.0	.0	12.0	.10	.3
24. WB	Bos dep	*	1494.0	1896.0	1437.0	1858.0	*	69.	236.	AG	1655.	7.8	.0	44.0		
25. WB	Bos dep	*	1437.0	1858.0	1364.0	1835.0	*	77.	253.	AG	1655.	7.8	.0	44.0		
26. WB	Bos dep	*	1364.0	1835.0	1286.0	1832.0	*	78.	268.	AG	1655.	7.8	.0	44.0		
27. WB	Bos dep	*	1286.0	1832.0	536.0	1861.0	*	751.	272.	AG	1655.	7.8	.0	44.0		
28. NB	OB ap	*	2532.0	1737.0	1742.0	1758.0	*	790.	272.	AG	900.	7.8	.0	32.0		
29. NB	OB ap	*	1742.0	1758.0	1656.0	1776.0	*	88.	282.	AG	900.	7.8	.0	32.0		
30. NB	OB ap	*	1656.0	1776.0	1559.0	1826.0	*	109.	297.	AG	900.	7.8	.0	32.0		
31. NB	OB ap	*	1582.0	1815.0	1916.4	1642.9	*	376.	117.	AG	51.	100.0	.0	12.0	.99	19.1
32. SB	OB dep2	*	1543.0	1813.0	1646.0	1764.0	*	114.	115.	AG	960.	7.8	.0	32.0		
33. SB	OB dep2	*	1646.0	1764.0	1747.0	1742.0	*	103.	102.	AG	960.	7.8	.0	32.0		
34. SB	OB dep2	*	1747.0	1742.0	2526.0	1720.0	*	779.	92.	AG	960.	7.8	.0	32.0		

JOB: S10 Boston & Old Boston NBAM35 RUN: Site 10 No Build AM 2035
DATE: 08/31/2012 TIME: 14:36:53.78

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. EB	Bos thru	*	110	64	2.0	815	1783	42.10	1	3
9. EB	Bos right	*	110	8	2.0	950	1595	42.10	1	3
20. WB	Bos thru	*	110	60	2.0	765	1783	42.10	1	3
23. WB	Bos left	*	110	100	2.0	10	1783	42.10	1	3
31. NB	OB ap	*	110	50	2.0	900	1786	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1855.0	1773.0	5.0	*
2. SE 164 S	*	1729.0	1780.0	5.0	*
3. SE 82 S	*	1649.0	1801.0	5.0	*
4. SE CNR	*	1587.0	1837.0	5.0	*
5. SE 82 E	*	1630.0	1910.0	5.0	*
6. SE 164 E	*	1664.0	1985.0	5.0	*
7. SE MID E	*	1685.0	2156.0	5.0	*
8. NE MID E	*	1604.0	2166.0	5.0	*
9. NE 164 E	*	1594.0	2092.0	5.0	*
10. NE 82 E	*	1555.0	2014.0	5.0	*
11. NE CNR	*	1499.0	1952.0	5.0	*
12. NE 82 N	*	1458.0	2002.0	5.0	*
13. NW 82 N	*	1404.0	1940.0	5.0	*
14. NW CNR	*	1440.0	1891.0	5.0	*
15. NW 82 W	*	1375.0	1860.0	5.0	*
16. NW 164 W	*	1291.0	1853.0	5.0	*
17. NW MID W	*	1121.0	1860.0	5.0	*
18. SW MID W	*	1116.0	1736.0	5.0	*
19. SW 164 W	*	1393.0	1726.0	5.0	*
20. SW 82 W	*	1471.0	1751.0	5.0	*
21. SW CNR	*	1546.0	1791.0	5.0	*

22. SW 82 S	*	1624.0	1752.0	5.0	*
23. SW 164 S	*	1704.0	1730.0	5.0	*
24. SW MID S	*	1845.0	1721.0	5.0	*

1

JOB: S10 Boston & Old Boston NBAM35 RUN: Site 10 No Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.0	.2	.4	.5	.4	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.7	.8	.7
5.	.0	.0	.1	.5	.4	.4	.4	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.7	.8	.7
10.	.0	.0	.0	.5	.4	.4	.3	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.7	.8	.6
15.	.0	.0	.0	.2	.3	.3	.2	.4	.4	.2	.2	.0	.0	.0	.0	.0	.0	.6	1.0	.7
20.	.0	.0	.0	.2	.3	.3	.1	.5	.4	.3	.2	.1	.0	.1	.0	.0	.0	.6	1.0	.6
25.	.0	.0	.0	.1	.2	.1	.1	.5	.4	.3	.2	.2	.1	.2	.1	.0	.0	.6	1.0	.6
30.	.0	.0	.0	.1	.2	.0	.1	.5	.3	.3	.2	.2	.1	.1	.1	.0	.0	.7	.9	.7
35.	.0	.0	.0	.1	.2	.0	.0	.5	.3	.3	.1	.2	.0	.1	.1	.0	.0	.7	.9	.6
40.	.0	.0	.0	.1	.1	.0	.0	.3	.3	.2	.1	.2	.0	.3	.1	.1	.0	.7	.8	.6
45.	.0	.0	.0	.0	.1	.0	.0	.3	.4	.3	.1	.1	.0	.3	.1	.1	.0	.7	.8	.6
50.	.0	.0	.0	.0	.0	.0	.0	.3	.4	.3	.3	.0	.0	.3	.3	.1	.1	.7	.9	.7
55.	.0	.0	.0	.0	.0	.0	.0	.3	.4	.3	.4	.0	.0	.3	.3	.1	.1	.7	.7	.6
60.	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	.4	.0	.0	.4	.5	.1	.1	.8	.7	.5
65.	.1	.0	.0	.0	.0	.0	.0	.3	.3	.3	.4	.0	.1	.4	.5	.1	.1	.8	.5	.5
70.	.1	.0	.0	.0	.0	.0	.0	.3	.4	.4	.5	.0	.1	.5	.6	.3	.1	.8	.5	.3
75.	.1	.1	.0	.0	.0	.0	.0	.3	.4	.3	.6	.0	.1	.5	.5	.4	.2	.7	.3	.3
80.	.3	.2	.1	.0	.0	.0	.0	.3	.3	.3	.5	.1	.2	.5	.6	.4	.3	.7	.1	.4
85.	.4	.3	.2	.0	.0	.0	.0	.3	.3	.5	.5	.1	.2	.4	.6	.5	.3	.7	.3	.3
90.	.5	.3	.2	.2	.0	.0	.0	.3	.3	.5	.5	.1	.2	.5	.5	.7	.5	.7	.3	.3
95.	.6	.5	.3	.2	.0	.0	.0	.3	.3	.5	.6	.1	.2	.4	.6	.7	.6	.4	.1	.2
100.	.6	.5	.3	.2	.1	.0	.0	.3	.3	.5	.6	.1	.2	.7	.9	.5	.7	.3	.0	.2
105.	.6	.5	.5	.2	.2	.0	.0	.3	.3	.5	.6	.2	.2	.7	.8	.7	.8	.2	.0	.0
110.	.7	.6	.6	.5	.2	.0	.0	.3	.3	.6	.8	.2	.3	.7	.7	.8	.7	.1	.0	.0
115.	.7	.6	.6	.6	.2	.2	.0	.3	.3	.6	.8	.2	.1	.7	.6	.8	.7	.1	.0	.0
120.	.5	.6	.6	.6	.2	.2	.0	.3	.3	.8	.6	.2	.1	.7	.7	.9	.7	.1	.0	.0
125.	.5	.6	.8	.5	.2	.2	.0	.3	.3	.7	.5	.2	.2	.6	.7	.8	.7	.1	.0	.0
130.	.5	.6	.7	.6	.2	.2	.0	.4	.3	.5	.4	.2	.3	.6	.7	.8	.6	.1	.0	.0
135.	.5	.7	.7	.7	.2	.2	.0	.5	.3	.5	.4	.2	.2	.6	.6	.8	.6	.0	.0	.0
140.	.5	.6	.7	.6	.0	.2	.0	.4	.4	.5	.4	.2	.2	.6	.7	.7	.7	.0	.0	.0
145.	.5	.5	.7	.5	.0	.0	.0	.3	.3	.6	.6	.2	.1	.6	.7	.5	.7	.0	.0	.0
150.	.5	.6	.7	.5	.0	.0	.0	.3	.3	.6	.5	.1	.2	.5	.7	.7	.7	.0	.0	.0
155.	.4	.6	.6	.6	.1	.0	.0	.3	.4	.6	.5	.2	.2	.5	.7	.7	.6	.0	.0	.0
160.	.4	.6	.5	.5	.1	.0	.0	.3	.5	.6	.3	.1	.3	.6	.8	.7	.6	.0	.0	.0
165.	.4	.6	.6	.5	.0	.0	.0	.3	.4	.6	.2	.1	.4	.7	.8	.7	.6	.0	.0	.0
170.	.4	.5	.5	.5	.0	.0	.1	.2	.4	.5	.3	.1	.3	.6	.8	.7	.6	.0	.0	.0
175.	.4	.5	.6	.5	.1	.0	.2	.3	.3	.4	.3	.1	.4	.7	.7	.7	.6	.0	.0	.0
180.	.5	.5	.6	.5	.2	.0	.2	.3	.3	.6	.3	.1	.4	.8	.8	.6	.7	.0	.0	.0
185.	.5	.5	.5	.5	.2	.1	.2	.3	.4	.6	.2	.3	.3	.8	.7	.7	.7	.0	.0	.0
190.	.4	.5	.5	.5	.2	.1	.2	.2	.4	.6	.3	.3	.2	.7	.5	.8	.6	.0	.0	.0
195.	.4	.5	.5	.5	.3	.2	.2	.2	.5	.4	.5	.3	.3	.8	.7	.7	.6	.0	.0	.0
200.	.4	.5	.4	.4	.3	.2	.5	.1	.4	.5	.5	.2	.3	.8	.8	.6	.6	.0	.0	.0
205.	.4	.5	.5	.4	.3	.2	.5	.1	.2	.4	.6	.2	.2	.7	.8	.6	.6	.0	.0	.0

1

JOB: S10 Boston & Old Boston NBAM35 RUN: Site 10 No Build AM 2035

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.4	.5	.5	.4	.4	.2	.5	.0	.2	.4	.4	.2	.2	.6	.9	.5	.6	.0	.0	.0
215.	.6	.5	.5	.5	.4	.4	.5	.0	.1	.4	.4	.2	.1	.5	.7	.7	.7	.0	.0	.0
220.	.6	.5	.5	.4	.3	.4	.5	.0	.0	.4	.3	.2	.3	.6	.8	.7	.7	.0	.0	.0
225.	.6	.6	.5	.5	.3	.4	.5	.0	.0	.3	.2	.3	.3	.6	.8	.7	.7	.0	.0	.1
230.	.6	.6	.5	.5	.4	.3	.3	.2	.1	.1	.4	.2	.3	.6	.7	.7	.7	.0	.0	.1
235.	.6	.6	.5	.7	.4	.4	.5	.2	.2	.2	.5	.2	.3	.7	.8	.8	.8	.1	.0	.1
240.	.6	.6	.6	.8	.4	.6	.6	.2	.2	.2	.4	.2	.3	.5	.9	.8	.8	.1	.0	.1
245.	.6	.6	.6	.8	.6	.7	.5	.1	.2	.2	.3	.2	.3	.5	1.0	.9	.8	.1	.0	.2
250.	.7	.6	.7	.9	.6	.6	.5	.1	.1	.2	.2	.2	.3	.5	1.0	.9	.9	.1	.0	.3
255.	.6	.7	.8	.9	.6	.7	.4	.0	.1	.2	.2	.2	.3	.5	.9	1.0	.8	.2	.3	.7
260.	.6	.8	1.0	.9	.5	.7	.3	.0	.1	.1	.2	.1	.3	.5	.8	1.0	.8	.3	.3	.8
265.	.8	.8	1.1	.8	.6	.7	.3	.0	.0	.1	.1	.1	.1	.4	.8	.8	.8	.4	.5	1.0
270.	.7	.8	1.1	.7	.6	.7	.3	.0	.0	.0	.1	.0	.1	.3	.7	.8	.8	.6	.8	1.1
275.	.3	.8	.9	.7	.5	.5	.3	.0	.0	.0	.1	.0	.1	.1	.4	.7	.6	.7	.8	1.4
280.	.2	.6	.7	.6	.4	.5	.3	.0	.0	.0	.0	.0	.0	.1	.3	.5	.4	.8	.9	1.4
285.	.1	.5	.8	.5	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3	.9	1.0	1.3
290.	.1	.3	.6	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.9	1.1	1.2
295.	.0	.2	.5	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.9	1.1	1.0
300.	.0	.0	.4	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.8	1.0	1.1
305.	.0	.0	.2	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.8	1.0	1.1
310.	.0	.0	.2	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	1.0	1.0
315.	.0	.1	.1	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	1.0	1.0
320.	.0	.1	.2	.4	.3	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.0	.9
325.	.0	.0	.2	.4	.3	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.8	.9

330.	*	.0	.0	.2	.4	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7	.8
335.	*	.0	.0	.2	.4	.5	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.8	.8
340.	*	.0	.0	.2	.4	.5	.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.0	.8
345.	*	.0	.0	.2	.4	.5	.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.0	.9
350.	*	.0	.1	.1	.4	.6	.6	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	.9	.8
355.	*	.0	.1	.2	.3	.6	.5	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7	.8	.7
360.	*	.0	.0	.2	.4	.5	.4	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.7	.8	.7
MAX	*	.8	.8	1.1	.9	.6	.7	.6	.5	.5	.8	.8	.3	.4	.8	1.0	1.0	.9	.9	1.1	1.4
DEGR.	*	265	260	265	255	245	245	240	20	160	120	110	185	165	180	245	255	250	285	290	275

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JOB: S10 Boston & Old Boston NBAM35 RUN: Site 10 No Build AM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24
0.	*	.7	.6	.5	.5
5.	*	.7	.6	.5	.5
10.	*	.9	.5	.5	.5
15.	*	.9	.5	.5	.5
20.	*	.7	.5	.5	.5
25.	*	.7	.5	.5	.5
30.	*	.6	.5	.5	.5
35.	*	.6	.4	.4	.5
40.	*	.5	.6	.5	.5
45.	*	.5	.6	.5	.5
50.	*	.5	.6	.5	.5
55.	*	.5	.6	.6	.5
60.	*	.6	.5	.6	.6
65.	*	.6	.6	.7	.6
70.	*	.6	.6	.8	.6
75.	*	.6	.7	.7	.6
80.	*	.6	.7	.8	.6
85.	*	.8	.7	.9	.6
90.	*	.8	.7	.8	.6
95.	*	.9	.7	.7	.4
100.	*	.9	.7	.6	.3
105.	*	.9	.6	.4	.3
110.	*	.8	.3	.2	.1
115.	*	.4	.2	.2	.1
120.	*	.2	.1	.1	.0
125.	*	.1	.0	.1	.0
130.	*	.1	.0	.0	.0
135.	*	.1	.0	.0	.1
140.	*	.0	.0	.0	.1
145.	*	.0	.0	.0	.1
150.	*	.0	.0	.0	.1
155.	*	.0	.0	.0	.1
160.	*	.0	.0	.0	.1
165.	*	.0	.0	.0	.1
170.	*	.0	.0	.0	.1
175.	*	.0	.0	.0	.1
180.	*	.0	.0	.0	.1
185.	*	.0	.0	.0	.1
190.	*	.0	.0	.0	.1
195.	*	.0	.0	.0	.1
200.	*	.0	.0	.0	.1
205.	*	.0	.0	.0	.1

1

JOB: S10 Boston & Old Boston NBAM35 RUN: Site 10 No Build AM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24
210.	*	.0	.0	.0	.1
215.	*	.0	.0	.0	.1
220.	*	.0	.0	.0	.1
225.	*	.1	.0	.0	.1
230.	*	.1	.0	.0	.1
235.	*	.2	.0	.0	.1
240.	*	.5	.0	.0	.1
245.	*	.5	.0	.0	.1
250.	*	.6	.0	.0	.2
255.	*	.9	.0	.0	.2
260.	*	1.0	.2	.0	.2
265.	*	1.0	.3	.1	.3
270.	*	1.0	.4	.2	.6
275.	*	1.0	.5	.4	.7

280.	*	1.0	.6	.5	.8
285.	*	.9	.6	.3	.8
290.	*	.7	.4	.5	.7
295.	*	.7	.4	.5	.8
300.	*	.6	.4	.6	.5
305.	*	.6	.5	.6	.5
310.	*	.7	.6	.7	.5
315.	*	.6	.6	.7	.5
320.	*	.6	.5	.7	.5
325.	*	.6	.6	.7	.5
330.	*	.6	.7	.6	.5
335.	*	.6	.8	.6	.5
340.	*	.6	.7	.6	.4
345.	*	.7	.7	.5	.4
350.	*	.6	.7	.5	.5
355.	*	.7	.6	.5	.5
360.	*	.7	.6	.5	.5
MAX	*	1.0	.8	.9	.8
DEGR.	*	275	335	85	280

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 275 DEGREES FROM REC20.
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 265 DEGREES FROM REC3 .
THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 290 DEGREES FROM REC19.

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S10 Boston & Old Boston NBPM21          60.0321.0.0000.000240.30480000    1    1
SE MID S                 1855.     1773.       5.0
SE 164 S                 1729.     1780.       5.0
SE 82 S                  1649.     1801.       5.0
SE CNR                   1587.     1837.       5.0
SE 82 E                  1630.     1910.       5.0
SE 164 E                 1664.     1985.       5.0
SE MID E                 1685.     2156.       5.0
NE MID E                 1604.     2166.       5.0
NE 164 E                 1594.     2092.       5.0
NE 82 E                  1555.     2014.       5.0
NE CNR                   1499.     1952.       5.0
NE 82 N                  1458.     2002.       5.0
NW 82 N                  1404.     1940.       5.0
NW CNR                   1440.     1891.       5.0
NW 82 W                  1375.     1860.       5.0
NW 164 W                 1291.     1853.       5.0
NW MID W                 1121.     1860.       5.0
SW MID W                 1116.     1736.       5.0
SW 164 W                 1393.     1726.       5.0
SW 82 W                  1471.     1751.       5.0
SW CNR                   1546.     1791.       5.0
SW 82 S                  1624.     1752.       5.0
SW 164 S                 1704.     1730.       5.0
SW MID S                 1845.     1721.       5.0
Site 10 No Build PM 2021                 34  1   0
  1
EB        Bos ap    AG   539.  1791.   635.  1785.   1270. 8.1   0  44   35.
  1
EB        Bos ap    AG   635.  1785.   741.  1773.   1270. 8.1   0  44   35.
  1
EB        Bos ap    AG   741.  1773.  1256.  1754.   1270. 8.1   0  44   35.
  1
EB        Bos thru  AG  1256.  1754.  1359.  1755.    640. 8.1   0  44   35.
  1
EB        Bos thru  AG  1359.  1755.  1493.  1793.    640. 8.1   0  44   35.
  2
EB        Bos thru  AG  1463.  1785.  1369.  1758.      0.  24   2
       110        66       2.0  640   43.6 1783 1 3
  1
EB        Bos right AG  1256.  1754.  1363.  1739.    630. 8.1   0  32   35.
  1
EB        Bos right AG  1363.  1739.  1473.  1768.    630. 8.1   0  32   30.
  2
EB        Bos right AG  1464.  1766.  1375.  1742.      0.  12   1
       110        15       2.0  630   43.6 1595 1 3
  1
EB        Bos right AG  1473.  1768.  1543.  1813.    630. 8.1   0  32   35.
  1
EB        Bos dep   AG  1493.  1793.  1580.  1875.    680. 8.1   0  44   35.
  1
EB        Bos dep   AG  1580.  1875.  1629.  1948.    680. 8.1   0  44   35.
  1
EB        Bos dep   AG  1629.  1948.  1653.  2029.    680. 8.1   0  44   35.
  1
EB        Bos dep   AG  1653.  2029.  1661.  2113.    680. 8.1   0  44   35.
  1
EB        Bos dep   AG  1661.  2113.  1690.  2826.    680. 8.1   0  44   35.
  1
WB        Bos ap    AG  1660.  2832.  1631.  2131.    425. 8.1   0  56   35.
  1
WB        Bos ap    AG  1631.  2131.  1613.  2039.    425. 8.1   0  56   35.
  1
WB        Bos thru  AG  1613.  2039.  1573.  1982.    410. 8.1   0  44   35.
  1
WB        Bos thru  AG  1573.  1982.  1494.  1896.    410. 8.1   0  44   35.
  2
WB        Bos thru  AG  1521.  1925.  1567.  1975.      0.  24   2
       110        61       2.0  410   43.6 1783 1 3
  1
WB        Bos left  AG  1613.  2039.  1589.  1975.     15. 8.1   0  32   35.
  1
WB        Bos left  AG  1589.  1975.  1505.  1884.     15. 8.1   0  32   35.
  2
WB        Bos left  AG  1532.  1914.  1583.  1968.      0.  12   1
       110        54       2.0   15   43.6 1783 1 3
  1
WB        Bos dep   AG  1494.  1896.  1437.  1858.    885. 8.1   0  44   35.
  1
WB        Bos dep   AG  1437.  1858.  1364.  1835.    885. 8.1   0  44   35.
  1
WB        Bos dep   AG  1364.  1835.  1286.  1832.    885. 8.1   0  44   35.
  1
WB        Bos dep   AG  1286.  1832.   536.  1861.    885. 8.1   0  44   35.
  1
NB        OB ap     AG  2532.  1737.  1742.  1758.    515. 8.1   0  32   35.
  1
NB        OB ap     AG  1742.  1758.  1656.  1776.    515. 8.1   0  32   35.
  1
NB        OB ap     AG  1656.  1776.  1559.  1826.    515. 8.1   0  32   35.
  2
NB        OB ap     AG  1582.  1815.  1650.  1780.      0.  12   1
       110        59       2.0  515   43.6 1779 1 3
  1
SB        OB dep2   AG  1543.  1813.  1646.  1764.    645. 8.1   0  32   35.
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  1
SB        OB dep2   AG  1646.  1764.  1747.  1742.    645. 8.1   0  32   35.
  1
SB        OB dep2   AG  1747.  1742.  2526.  1720.    645. 8.1   0  32   35.
1.0   04  1000   0Y  5  0 72
```

JOB: S10 Boston & Old Boston NBPM21 RUN: Site 10 No Build PM 2021
DATE: 09/07/2012 TIME: 11:32:18.22

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Bos ap	539.0	1791.0	635.0	1785.0	96.	94.	AG	1270.	8.1	.0	44.0		
2. EB	Bos ap	635.0	1785.0	741.0	1773.0	107.	96.	AG	1270.	8.1	.0	44.0		
3. EB	Bos ap	741.0	1773.0	1256.0	1754.0	515.	92.	AG	1270.	8.1	.0	44.0		
4. EB	Bos thru	1256.0	1754.0	1359.0	1755.0	103.	89.	AG	640.	8.1	.0	44.0		
5. EB	Bos thru	1359.0	1755.0	1493.0	1793.0	139.	74.	AG	640.	8.1	.0	44.0		
6. EB	Bos thru	1463.0	1785.0	1352.0	1753.1	115.	254.	AG	140.	100.0	.0	24.0	.49	5.9
7. EB	Bos right	1256.0	1754.0	1363.0	1739.0	108.	98.	AG	630.	8.1	.0	32.0		
8. EB	Bos right	1363.0	1739.0	1473.0	1768.0	114.	75.	AG	630.	8.1	.0	32.0		
9. EB	Bos right	1464.0	1766.0	1414.1	1752.5	52.	255.	AG	16.	100.0	.0	12.0	.48	2.6
10. EB	Bos right	1473.0	1768.0	1543.0	1813.0	83.	57.	AG	630.	8.1	.0	32.0		
11. EB	Bos dep	1493.0	1793.0	1580.0	1875.0	120.	47.	AG	680.	8.1	.0	44.0		
12. EB	Bos dep	1580.0	1875.0	1629.0	1948.0	88.	34.	AG	680.	8.1	.0	44.0		
13. EB	Bos dep	1629.0	1948.0	1653.0	2029.0	84.	17.	AG	680.	8.1	.0	44.0		
14. EB	Bos dep	1653.0	2029.0	1661.0	2113.0	84.	5.	AG	680.	8.1	.0	44.0		
15. EB	Bos dep	1661.0	2113.0	1690.0	2826.0	714.	2.	AG	680.	8.1	.0	44.0		
16. WB	Bos ap	1660.0	2832.0	1631.0	2131.0	702.	182.	AG	425.	8.1	.0	56.0		
17. WB	Bos ap	1631.0	2131.0	1613.0	2039.0	94.	191.	AG	425.	8.1	.0	56.0		
18. WB	Bos thru	1613.0	2039.0	1573.0	1982.0	70.	215.	AG	410.	8.1	.0	44.0		
19. WB	Bos thru	1573.0	1982.0	1494.0	1896.0	117.	223.	AG	410.	8.1	.0	44.0		
20. WB	Bos thru	1521.0	1925.0	1567.3	1975.3	68.	43.	AG	130.	100.0	.0	24.0	.28	3.5
21. WB	Bos left	1613.0	2039.0	1589.0	1975.0	68.	201.	AG	15.	8.1	.0	32.0		
22. WB	Bos left	1589.0	1975.0	1505.0	1884.0	124.	223.	AG	15.	8.1	.0	32.0		
23. WB	Bos left	1532.0	1914.0	1535.0	1917.2	4.	43.	AG	57.	100.0	.0	12.0	.02	.2
24. WB	Bos dep	1494.0	1896.0	1437.0	1858.0	69.	236.	AG	885.	8.1	.0	44.0		
25. WB	Bos dep	1437.0	1858.0	1364.0	1835.0	77.	253.	AG	885.	8.1	.0	44.0		
26. WB	Bos dep	1364.0	1835.0	1286.0	1832.0	78.	268.	AG	885.	8.1	.0	44.0		
27. WB	Bos dep	1286.0	1832.0	536.0	1861.0	751.	272.	AG	885.	8.1	.0	44.0		
28. NB	OB ap	2532.0	1737.0	1742.0	1758.0	790.	272.	AG	515.	8.1	.0	32.0		
29. NB	OB ap	1742.0	1758.0	1656.0	1776.0	88.	282.	AG	515.	8.1	.0	32.0		
30. NB	OB ap	1656.0	1776.0	1559.0	1826.0	109.	297.	AG	515.	8.1	.0	32.0		
31. NB	OB ap	1582.0	1815.0	1729.7	1739.0	166.	117.	AG	63.	100.0	.0	12.0	.68	8.4
32. SB	OB dep2	1543.0	1813.0	1646.0	1764.0	114.	115.	AG	645.	8.1	.0	32.0		
33. SB	OB dep2	1646.0	1764.0	1747.0	1742.0	103.	102.	AG	645.	8.1	.0	32.0		
34. SB	OB dep2	1747.0	1742.0	2526.0	1720.0	779.	92.	AG	645.	8.1	.0	32.0		

JOB: S10 Boston & Old Boston NBPM21 RUN: Site 10 No Build PM 2021
DATE: 09/07/2012 TIME: 11:32:18.22

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. EB	Bos thru	110	66	2.0	640	1783	43.60	1	3
9. EB	Bos right	110	15	2.0	630	1595	43.60	1	3
20. WB	Bos thru	110	61	2.0	410	1783	43.60	1	3
23. WB	Bos left	110	54	2.0	15	1783	43.60	1	3
31. NB	OB ap	110	59	2.0	515	1779	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID S	1855.0	1773.0	5.0
2. SE 164 S	1729.0	1780.0	5.0
3. SE 82 S	1649.0	1801.0	5.0
4. SE CNR	1587.0	1837.0	5.0
5. SE 82 E	1630.0	1910.0	5.0
6. SE 164 E	1664.0	1985.0	5.0
7. SE MID E	1685.0	2156.0	5.0
8. NE MID E	1604.0	2166.0	5.0
9. NE 164 E	1594.0	2092.0	5.0
10. NE 82 E	1555.0	2014.0	5.0
11. NE CNR	1499.0	1952.0	5.0
12. NE 82 N	1458.0	2002.0	5.0
13. NW 82 N	1404.0	1940.0	5.0
14. NW CNR	1440.0	1891.0	5.0
15. NW 82 W	1375.0	1860.0	5.0
16. NW 164 W	1291.0	1853.0	5.0
17. NW MID W	1121.0	1860.0	5.0
18. SW MID W	1116.0	1736.0	5.0
19. SW 164 W	1393.0	1726.0	5.0
20. SW 82 W	1471.0	1751.0	5.0
21. SW CNR	1546.0	1791.0	5.0

22. SW 82 S	*	1624.0	1752.0	5.0	*
23. SW 164 S	*	1704.0	1730.0	5.0	*
24. SW MID S	*	1845.0	1721.0	5.0	*

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JOB: S10 Boston & Old Boston NBPM21 RUN: Site 10 No Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.0	.0	.2	.3	.4	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.5
5.	.0	.0	.0	.3	.3	.3	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.5
10.	.0	.0	.0	.2	.3	.3	.2	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.4	.7	.4
15.	.0	.0	.0	.2	.3	.3	.1	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.4	.7	.4
20.	.0	.0	.0	.1	.2	.2	.1	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.4	.6	.5
25.	.0	.0	.0	.1	.2	.1	.1	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.4	.6	.5
30.	.0	.0	.0	.1	.2	.0	.0	.3	.3	.1	.1	.1	.0	.0	.0	.0	.0	.4	.6	.5
35.	.0	.0	.0	.1	.2	.0	.0	.2	.3	.2	.0	.1	.0	.0	.0	.0	.0	.5	.6	.5
40.	.0	.0	.0	.1	.1	.0	.0	.2	.3	.2	.0	.1	.0	.0	.0	.0	.0	.5	.6	.4
45.	.0	.0	.0	.0	.0	.0	.0	.2	.3	.1	.0	.0	.0	.1	.0	.0	.0	.5	.5	.4
50.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.1	.0	.0	.3	.1	.0	.0	.5	.6	.3
55.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.3	.1	.0	.0	.3	.1	.0	.0	.5	.6	.3
60.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.0	.0	.3	.3	.0	.0	.5	.4	.3
65.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.0	.0	.3	.3	.1	.1	.4	.4	.2
70.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.3	.0	.1	.3	.3	.1	.1	.4	.3	.2
75.	.1	.0	.0	.0	.0	.0	.0	.2	.2	.1	.3	.0	.1	.4	.3	.2	.1	.4	.1	.2
80.	.1	.1	.0	.0	.0	.0	.0	.2	.2	.1	.3	.0	.1	.4	.3	.2	.1	.4	.1	.2
85.	.3	.2	.0	.0	.0	.0	.0	.2	.2	.2	.4	.0	.1	.2	.3	.3	.2	.5	.1	.0
90.	.3	.2	.2	.0	.0	.0	.0	.2	.2	.2	.4	.0	.1	.2	.3	.3	.2	.3	.0	.1
95.	.3	.3	.2	.1	.0	.0	.0	.2	.2	.2	.4	.0	.1	.2	.3	.3	.3	.3	.0	.1
100.	.4	.4	.3	.2	.0	.0	.0	.2	.2	.2	.5	.1	.1	.2	.5	.3	.3	.2	.0	.0
105.	.4	.4	.3	.2	.0	.0	.0	.2	.2	.2	.5	.1	.0	.3	.3	.5	.3	.2	.0	.0
110.	.4	.4	.4	.3	.0	.0	.0	.2	.2	.2	.5	.1	.0	.3	.3	.5	.3	.1	.0	.0
115.	.4	.4	.5	.3	.1	.0	.0	.2	.2	.2	.5	.1	.1	.3	.3	.5	.3	.1	.0	.0
120.	.4	.2	.4	.2	.1	.0	.0	.2	.2	.2	.5	.1	.1	.3	.3	.5	.4	.1	.0	.0
125.	.4	.3	.3	.3	.1	.0	.0	.2	.2	.2	.3	.1	.1	.3	.5	.5	.4	.0	.0	.0
130.	.4	.3	.3	.3	.0	.0	.0	.2	.2	.1	.3	.1	.1	.3	.5	.5	.4	.0	.0	.0
135.	.4	.3	.4	.5	.0	.0	.0	.2	.2	.1	.3	.1	.1	.3	.4	.4	.4	.0	.0	.0
140.	.3	.3	.5	.4	.0	.0	.0	.2	.2	.2	.3	.1	.1	.3	.4	.4	.4	.0	.0	.0
145.	.3	.4	.5	.4	.0	.0	.0	.3	.2	.3	.3	.1	.1	.2	.4	.3	.4	.0	.0	.0
150.	.2	.4	.5	.4	.0	.0	.0	.3	.2	.3	.3	.0	.1	.2	.5	.3	.4	.0	.0	.0
155.	.2	.4	.5	.4	.0	.0	.0	.3	.2	.3	.3	.0	.1	.2	.6	.3	.3	.0	.0	.0
160.	.2	.3	.5	.4	.0	.0	.0	.3	.2	.3	.2	.0	.3	.2	.7	.4	.3	.0	.0	.0
165.	.2	.2	.5	.3	.1	.0	.0	.3	.2	.4	.2	.1	.2	.4	.6	.4	.3	.0	.0	.0
170.	.2	.2	.5	.3	.1	.0	.1	.2	.1	.3	.2	.1	.2	.4	.5	.4	.3	.0	.0	.0
175.	.2	.2	.4	.3	.1	.0	.2	.1	.1	.3	.3	.1	.2	.5	.4	.4	.3	.0	.0	.0
180.	.3	.3	.5	.3	.1	.0	.2	.1	.2	.3	.2	.1	.2	.5	.4	.5	.4	.0	.0	.0
185.	.2	.3	.5	.3	.1	.0	.2	.1	.2	.3	.2	.2	.2	.4	.3	.5	.4	.0	.0	.0
190.	.2	.3	.4	.3	.0	.1	.2	.0	.2	.3	.3	.1	.2	.4	.4	.3	.3	.0	.0	.0
195.	.2	.3	.4	.3	.1	.1	.2	.0	.1	.3	.3	.1	.2	.4	.4	.3	.3	.0	.0	.0
200.	.2	.3	.4	.3	.2	.2	.2	.0	.1	.3	.2	.1	.1	.5	.5	.3	.3	.0	.0	.0
205.	.2	.3	.4	.2	.1	.2	.2	.0	.1	.3	.2	.0	.1	.4	.4	.4	.3	.0	.0	.0

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JOB: S10 Boston & Old Boston NBPM21 RUN: Site 10 No Build PM 2021

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.2	.3	.4	.2	.2	.2	.4	.0	.1	.3	.2	.0	.1	.4	.3	.4	.3	.0	.0	.0
215.	.3	.3	.4	.2	.2	.2	.4	.0	.0	.2	.3	.0	.1	.4	.4	.4	.4	.0	.0	.0
220.	.3	.3	.4	.3	.2	.2	.4	.0	.0	.1	.3	.0	.2	.4	.4	.4	.4	.0	.0	.0
225.	.3	.3	.4	.3	.2	.3	.3	.0	.0	.0	.2	.1	.2	.3	.4	.4	.5	.0	.0	.0
230.	.3	.4	.4	.4	.4	.3	.3	.0	.0	.0	.1	.1	.2	.4	.4	.5	.5	.0	.0	.0
235.	.3	.4	.4	.5	.4	.4	.3	.0	.0	.1	.1	.2	.2	.4	.4	.6	.5	.0	.0	.1
240.	.3	.4	.4	.6	.4	.4	.2	.0	.0	.1	.1	.2	.2	.3	.5	.6	.5	.1	.0	.1
245.	.3	.4	.5	.6	.4	.3	.2	.0	.0	.2	.2	.2	.2	.4	.5	.5	.5	.1	.0	.1
250.	.3	.4	.5	.6	.4	.4	.2	.0	.0	.2	.2	.2	.2	.4	.5	.5	.5	.1	.0	.3
255.	.3	.4	.6	.7	.3	.3	.3	.0	.0	.1	.2	.1	.2	.4	.5	.5	.5	.2	.1	.5
260.	.3	.5	.7	.7	.4	.3	.3	.0	.0	.0	.1	.1	.1	.2	.6	.5	.5	.2	.2	.5
265.	.3	.5	.7	.6	.3	.3	.3	.0	.0	.0	.1	.0	.1	.2	.4	.5	.5	.3	.4	.6
270.	.1	.6	.9	.4	.4	.3	.3	.0	.0	.0	.0	.0	.1	.1	.4	.5	.4	.4	.5	.7
275.	.1	.4	.6	.3	.3	.2	.3	.0	.0	.0	.0	.0	.0	.1	.2	.3	.3	.5	.6	.8
280.	.1	.4	.6	.4	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.2	.3	.2	.6	.6	.8
285.	.1	.3	.5	.3	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.6	.6	.9
290.	.0	.2	.3	.3	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.6	.6	.8
295.	.0	.0	.3	.3	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.6	.6	.8
300.	.0	.0	.2	.2	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.6	.8	.7
305.	.0	.0	.2	.2	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	.7
310.	.0	.0	.1	.2	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.8
315.	.0	.0	.0	.2	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.7
320.	.0	.0	.1	.3	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8	.7
325.	.0	.0	.2	.2	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.7

330. *	.0	.0	.1	.2	.2	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.7
335. *	.0	.0	.1	.2	.2	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.6
340. *	.0	.0	.1	.3	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.6
345. *	.0	.0	.1	.3	.3	.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6	.5
350. *	.0	.0	.0	.3	.3	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.5
355. *	.0	.0	.0	.3	.3	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.5
360. *	.0	.0	.0	.2	.3	.4	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.5
MAX *	.4	.6	.9	.7	.4	.4	.4	.3	.3	.4	.5	.2	.3	.5	.7	.6	.5	.6	.8	.9
DEGR. *	100	270	270	255	230	0	0	5	15	165	100	185	160	175	160	235	225	280	300	285

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JOB: S10 Boston & Old Boston NBPM21 RUN: Site 10 No Build PM 2021

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24
0. *	.5	.4	.5	.3
5. *	.4	.4	.5	.3
10. *	.4	.4	.4	.3
15. *	.3	.4	.5	.3
20. *	.5	.4	.5	.3
25. *	.5	.4	.4	.3
30. *	.5	.4	.4	.3
35. *	.5	.4	.4	.3
40. *	.3	.3	.4	.3
45. *	.3	.4	.4	.3
50. *	.3	.4	.5	.3
55. *	.4	.4	.5	.3
60. *	.4	.4	.6	.3
65. *	.4	.4	.5	.4
70. *	.4	.4	.4	.4
75. *	.4	.5	.5	.4
80. *	.4	.7	.5	.4
85. *	.4	.7	.4	.4
90. *	.6	.6	.4	.4
95. *	.6	.6	.4	.3
100. *	.6	.4	.3	.3
105. *	.5	.2	.1	.1
110. *	.3	.2	.1	.1
115. *	.1	.1	.0	.1
120. *	.1	.0	.0	.0
125. *	.1	.0	.0	.0
130. *	.1	.0	.0	.0
135. *	.0	.0	.0	.0
140. *	.0	.0	.0	.0
145. *	.0	.0	.0	.0
150. *	.0	.0	.0	.0
155. *	.0	.0	.0	.0
160. *	.0	.0	.0	.0
165. *	.0	.0	.0	.0
170. *	.0	.0	.0	.0
175. *	.0	.0	.0	.0
180. *	.0	.0	.0	.0
185. *	.0	.0	.0	.0
190. *	.0	.0	.0	.0
195. *	.0	.0	.0	.0
200. *	.0	.0	.0	.0
205. *	.0	.0	.0	.0

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JOB: S10 Boston & Old Boston NBPM21 RUN: Site 10 No Build PM 2021

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24
210. *	.0	.0	.0	.0
215. *	.0	.0	.0	.0
220. *	.0	.0	.0	.0
225. *	.0	.0	.0	.0
230. *	.1	.0	.0	.0
235. *	.1	.0	.0	.0
240. *	.4	.0	.0	.0
245. *	.4	.0	.0	.0
250. *	.5	.0	.0	.0
255. *	.8	.0	.0	.1
260. *	.8	.0	.0	.1
265. *	.9	.2	.0	.1
270. *	.7	.2	.1	.1
275. *	.7	.3	.1	.2

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280.  *    .7    .3    .1    .3
285.  *    .6    .3    .2    .5
290.  *    .3    .2    .3    .3
295.  *    .3    .1    .4    .3
300.  *    .3    .2    .5    .3
305.  *    .4    .3    .5    .3
310.  *    .4    .3    .7    .3
315.  *    .4    .4    .7    .3
320.  *    .5    .4    .5    .3
325.  *    .5    .5    .5    .3
330.  *    .5    .5    .5    .3
335.  *    .3    .4    .5    .3
340.  *    .3    .4    .5    .3
345.  *    .3    .4    .5    .3
350.  *    .5    .4    .5    .3
355.  *    .5    .4    .5    .3
360.  *    .5    .4    .5    .3
------*-----------------------
MAX   *    .9    .7    .7    .5
DEGR. *  265    80   310   285

THE HIGHEST CONCENTRATION IS     .90 PPM AT  270 DEGREES FROM REC3 .
THE 2ND HIGHEST CONCENTRATION IS     .90 PPM AT  285 DEGREES FROM REC20.
THE 3RD HIGHEST CONCENTRATION IS     .90 PPM AT  265 DEGREES FROM REC21.
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S10 Boston & Old Boston NBPM35          60.0321.0.0000.000240.30480000    1    1
SE MID S                 1855.     1773.       5.0
SE 164 S                 1729.     1780.       5.0
SE 82 S                  1649.     1801.       5.0
SE CNR                   1587.     1837.       5.0
SE 82 E                  1630.     1910.       5.0
SE 164 E                 1664.     1985.       5.0
SE MID E                 1685.     2156.       5.0
NE MID E                 1604.     2166.       5.0
NE 164 E                 1594.     2092.       5.0
NE 82 E                  1555.     2014.       5.0
NE CNR                   1499.     1952.       5.0
NE 82 N                  1458.     2002.       5.0
NW 82 N                  1404.     1940.       5.0
NW CNR                   1440.     1891.       5.0
NW 82 W                  1375.     1860.       5.0
NW 164 W                 1291.     1853.       5.0
NW MID W                 1121.     1860.       5.0
SW MID W                 1116.     1736.       5.0
SW 164 W                 1393.     1726.       5.0
SW 82 W                  1471.     1751.       5.0
SW CNR                   1546.     1791.       5.0
SW 82 S                  1624.     1752.       5.0
SW 164 S                 1704.     1730.       5.0
SW MID S                 1845.     1721.       5.0
Site 10 No Build PM 2035                 34  1   0
  1
EB        Bos ap    AG   539.  1791.   635.  1785.   1430. 7.8   0  44   35.
  1
EB        Bos ap    AG   635.  1785.   741.  1773.   1430. 7.8   0  44   35.
  1
EB        Bos ap    AG   741.  1773.  1256.  1754.   1430. 7.8   0  44   35.
  1
EB        Bos thru  AG  1256.  1754.  1359.  1755.    660. 7.8   0  44   35.
  1
EB        Bos thru  AG  1359.  1755.  1493.  1793.    660. 7.8   0  44   35.
  2
EB        Bos thru  AG  1463.  1785.  1369.  1758.      0.  24   2
       110        62       2.0  660   42.1 1783 1 3
  1
EB        Bos right AG  1256.  1754.  1363.  1739.    770. 7.8   0  32   35.
  1
EB        Bos right AG  1363.  1739.  1473.  1768.    770. 7.8   0  32   30.
  2
EB        Bos right AG  1464.  1766.  1375.  1742.      0.  12   1
       110        10       2.0  770   42.1 1595 1 3
  1
EB        Bos right AG  1473.  1768.  1543.  1813.    770. 7.8   0  32   35.
  1
EB        Bos dep   AG  1493.  1793.  1580.  1875.    700. 7.8   0  44   35.
  1
EB        Bos dep   AG  1580.  1875.  1629.  1948.    700. 7.8   0  44   35.
  1
EB        Bos dep   AG  1629.  1948.  1653.  2029.    700. 7.8   0  44   35.
  1
EB        Bos dep   AG  1653.  2029.  1661.  2113.    700. 7.8   0  44   35.
  1
EB        Bos dep   AG  1661.  2113.  1690.  2826.    700. 7.8   0  44   35.
  1
WB        Bos ap    AG  1660.  2832.  1631.  2131.    595. 7.8   0  56   35.
  1
WB        Bos ap    AG  1631.  2131.  1613.  2039.    595. 7.8   0  56   35.
  1
WB        Bos thru  AG  1613.  2039.  1573.  1982.    580. 7.8   0  44   35.
  1
WB        Bos thru  AG  1573.  1982.  1494.  1896.    580. 7.8   0  44   35.
  2
WB        Bos thru  AG  1521.  1925.  1567.  1975.      0.  24   2
       110        56       2.0  580   42.1 1783 1 3
  1
WB        Bos left  AG  1613.  2039.  1589.  1975.     15. 7.8   0  32   35.
  1
WB        Bos left  AG  1589.  1975.  1505.  1884.     15. 7.8   0  32   35.
  2
WB        Bos left  AG  1532.  1914.  1583.  1968.      0.  12   1
       110       104       2.0   15   42.1 1783 1 3
  1
WB        Bos dep   AG  1494.  1896.  1437.  1858.   1255. 7.8   0  44   35.
  1
WB        Bos dep   AG  1437.  1858.  1364.  1835.   1255. 7.8   0  44   35.
  1
```

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WB        Bos dep   AG  1364.  1835.  1286.  1832.   1255. 7.8   0  44   35.
  1
WB        Bos dep   AG  1286.  1832.   536.  1861.   1255. 7.8   0  44   35.
  1
NB        OB ap     AG  2532.  1737.  1742.  1758.    715. 7.8   0  32   35.
  1
NB        OB ap     AG  1742.  1758.  1656.  1776.    715. 7.8   0  32   35.
  1
NB        OB ap     AG  1656.  1776.  1559.  1826.    715. 7.8   0  32   35.
  2
NB        OB ap     AG  1582.  1815.  1650.  1780.      0.  12   1
       110        54       2.0  715   42.1 1779 1 3
  1
SB        OB dep2   AG  1543.  1813.  1646.  1764.    785. 7.8   0  32   35.
  1
SB        OB dep2   AG  1646.  1764.  1747.  1742.    785. 7.8   0  32   35.
  1
SB        OB dep2   AG  1747.  1742.  2526.  1720.    785. 7.8   0  32   35.
1.0   04  1000   0Y  5  0 72
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JOB: S10 Boston & Old Boston NBPM35 RUN: Site 10 No Build PM 2035
DATE: 09/04/2012 TIME: 14:17:33.81

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	Bos ap	*	539.0	1791.0	635.0	1785.0	*	96.	94.	AG	1430.	7.8	.0	44.0		
2. EB	Bos ap	*	635.0	1785.0	741.0	1773.0	*	107.	96.	AG	1430.	7.8	.0	44.0		
3. EB	Bos ap	*	741.0	1773.0	1256.0	1754.0	*	515.	92.	AG	1430.	7.8	.0	44.0		
4. EB	Bos thru	*	1256.0	1754.0	1359.0	1755.0	*	103.	89.	AG	660.	7.8	.0	44.0		
5. EB	Bos thru	*	1359.0	1755.0	1493.0	1793.0	*	139.	74.	AG	660.	7.8	.0	44.0		
6. EB	Bos thru	*	1463.0	1785.0	1355.5	1754.1	*	112.	254.	AG	127.	100.0	.0	24.0	.46	5.7
7. EB	Bos right	*	1256.0	1754.0	1363.0	1739.0	*	108.	98.	AG	770.	7.8	.0	32.0		
8. EB	Bos right	*	1363.0	1739.0	1473.0	1768.0	*	114.	75.	AG	770.	7.8	.0	32.0		
9. EB	Bos right	*	1464.0	1766.0	1423.3	1755.0	*	42.	255.	AG	10.	100.0	.0	12.0	.55	2.1
10. EB	Bos right	*	1473.0	1768.0	1543.0	1813.0	*	83.	57.	AG	770.	7.8	.0	32.0		
11. EB	Bos dep	*	1493.0	1793.0	1580.0	1875.0	*	120.	47.	AG	700.	7.8	.0	44.0		
12. EB	Bos dep	*	1580.0	1875.0	1629.0	1948.0	*	88.	34.	AG	700.	7.8	.0	44.0		
13. EB	Bos dep	*	1629.0	1948.0	1653.0	2029.0	*	84.	17.	AG	700.	7.8	.0	44.0		
14. EB	Bos dep	*	1653.0	2029.0	1661.0	2113.0	*	84.	5.	AG	700.	7.8	.0	44.0		
15. EB	Bos dep	*	1661.0	2113.0	1690.0	2826.0	*	714.	2.	AG	700.	7.8	.0	44.0		
16. WB	Bos ap	*	1660.0	2832.0	1631.0	2131.0	*	702.	182.	AG	595.	7.8	.0	56.0		
17. WB	Bos ap	*	1631.0	2131.0	1613.0	2039.0	*	94.	191.	AG	595.	7.8	.0	56.0		
18. WB	Bos thru	*	1613.0	2039.0	1573.0	1982.0	*	70.	215.	AG	580.	7.8	.0	44.0		
19. WB	Bos thru	*	1573.0	1982.0	1494.0	1896.0	*	117.	223.	AG	580.	7.8	.0	44.0		
20. WB	Bos thru	*	1521.0	1925.0	1581.1	1990.4	*	89.	43.	AG	115.	100.0	.0	24.0	.36	4.5
21. WB	Bos left	*	1613.0	2039.0	1589.0	1975.0	*	68.	201.	AG	15.	7.8	.0	32.0		
22. WB	Bos left	*	1589.0	1975.0	1505.0	1884.0	*	124.	223.	AG	15.	7.8	.0	32.0		
23. WB	Bos left	*	1532.0	1914.0	1538.3	1920.6	*	9.	43.	AG	107.	100.0	.0	12.0	.47	.5
24. WB	Bos dep	*	1494.0	1896.0	1437.0	1858.0	*	69.	236.	AG	1255.	7.8	.0	44.0		
25. WB	Bos dep	*	1437.0	1858.0	1364.0	1835.0	*	77.	253.	AG	1255.	7.8	.0	44.0		
26. WB	Bos dep	*	1364.0	1835.0	1286.0	1832.0	*	78.	268.	AG	1255.	7.8	.0	44.0		
27. WB	Bos dep	*	1286.0	1832.0	536.0	1861.0	*	751.	272.	AG	1255.	7.8	.0	44.0		
28. NB	OB ap	*	2532.0	1737.0	1742.0	1758.0	*	790.	272.	AG	715.	7.8	.0	32.0		
29. NB	OB ap	*	1742.0	1758.0	1656.0	1776.0	*	88.	282.	AG	715.	7.8	.0	32.0		
30. NB	OB ap	*	1656.0	1776.0	1559.0	1826.0	*	109.	297.	AG	715.	7.8	.0	32.0		
31. NB	OB ap	*	1582.0	1815.0	1782.8	1711.6	*	226.	117.	AG	55.	100.0	.0	12.0	.85	11.5
32. SB	OB dep2	*	1543.0	1813.0	1646.0	1764.0	*	114.	115.	AG	785.	7.8	.0	32.0		
33. SB	OB dep2	*	1646.0	1764.0	1747.0	1742.0	*	103.	102.	AG	785.	7.8	.0	32.0		
34. SB	OB dep2	*	1747.0	1742.0	2526.0	1720.0	*	779.	92.	AG	785.	7.8	.0	32.0		

JOB: S10 Boston & Old Boston NBPM35 RUN: Site 10 No Build PM 2035
DATE: 09/04/2012 TIME: 14:17:33.81

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. EB	Bos thru	*	110	62	2.0	660	1783	42.10	1	3
9. EB	Bos right	*	110	10	2.0	770	1595	42.10	1	3
20. WB	Bos thru	*	110	56	2.0	580	1783	42.10	1	3
23. WB	Bos left	*	110	104	2.0	15	1783	42.10	1	3
31. NB	OB ap	*	110	54	2.0	715	1779	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1855.0	1773.0	5.0	*
2. SE 164 S	*	1729.0	1780.0	5.0	*
3. SE 82 S	*	1649.0	1801.0	5.0	*
4. SE CNR	*	1587.0	1837.0	5.0	*
5. SE 82 E	*	1630.0	1910.0	5.0	*
6. SE 164 E	*	1664.0	1985.0	5.0	*
7. SE MID E	*	1685.0	2156.0	5.0	*
8. NE MID E	*	1604.0	2166.0	5.0	*
9. NE 164 E	*	1594.0	2092.0	5.0	*
10. NE 82 E	*	1555.0	2014.0	5.0	*
11. NE CNR	*	1499.0	1952.0	5.0	*
12. NE 82 N	*	1458.0	2002.0	5.0	*
13. NW 82 N	*	1404.0	1940.0	5.0	*
14. NW CNR	*	1440.0	1891.0	5.0	*
15. NW 82 W	*	1375.0	1860.0	5.0	*
16. NW 164 W	*	1291.0	1853.0	5.0	*
17. NW MID W	*	1121.0	1860.0	5.0	*
18. SW MID W	*	1116.0	1736.0	5.0	*
19. SW 164 W	*	1393.0	1726.0	5.0	*
20. SW 82 W	*	1471.0	1751.0	5.0	*
21. SW CNR	*	1546.0	1791.0	5.0	*

22. SW 82 S	*	1624.0	1752.0	5.0	*
23. SW 164 S	*	1704.0	1730.0	5.0	*
24. SW MID S	*	1845.0	1721.0	5.0	*

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JOB: S10 Boston & Old Boston NBPM35 RUN: Site 10 No Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.0	.0	.3	.4	.4	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.5
5.	*	.0	.0	.0	.3	.4	.4	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.5	.7	.5
10.	*	.0	.0	.0	.2	.3	.3	.2	.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.5	.7	.4
15.	*	.0	.0	.0	.1	.3	.3	.1	.3	.4	.2	.1	.0	.0	.0	.0	.0	.0	.5	.7	.6
20.	*	.0	.0	.0	.1	.2	.2	.1	.3	.3	.2	.2	.0	.0	.0	.0	.0	.0	.5	.8	.5
25.	*	.0	.0	.0	.1	.2	.1	.1	.3	.3	.3	.2	.1	.0	.0	.0	.0	.0	.5	.7	.5
30.	*	.0	.0	.0	.1	.2	.0	.0	.3	.3	.3	.1	.2	.0	.0	.0	.0	.0	.5	.7	.5
35.	*	.0	.0	.0	.1	.2	.0	.0	.3	.3	.2	.0	.1	.0	.0	.0	.0	.0	.5	.6	.5
40.	*	.0	.0	.0	.1	.1	.0	.0	.3	.3	.2	.0	.0	.0	.1	.1	.0	.0	.5	.5	.5
45.	*	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1	.1	.0	.0	.3	.1	.0	.0	.5	.5	.5
50.	*	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2	.1	.0	.0	.3	.1	.0	.0	.5	.6	.3
55.	*	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3	.2	.0	.0	.3	.3	.1	.0	.6	.6	.4
60.	*	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3	.2	.0	.0	.3	.3	.1	.1	.6	.5	.4
65.	*	.0	.0	.0	.0	.0	.0	.0	.2	.2	.3	.3	.0	.0	.4	.4	.1	.1	.6	.5	.3
70.	*	.1	.0	.0	.0	.0	.0	.0	.2	.2	.2	.3	.0	.1	.4	.3	.2	.1	.5	.5	.3
75.	*	.1	.1	.0	.0	.0	.0	.0	.2	.2	.1	.3	.0	.1	.4	.4	.2	.1	.5	.1	.2
80.	*	.2	.2	.0	.0	.0	.0	.0	.2	.2	.1	.4	.0	.1	.4	.4	.4	.2	.5	.1	.2
85.	*	.3	.3	.2	.0	.0	.0	.0	.2	.2	.1	.4	.0	.2	.4	.4	.4	.3	.4	.1	.3
90.	*	.4	.3	.2	.0	.0	.0	.0	.3	.2	.2	.4	.1	.2	.3	.4	.4	.3	.4	.0	.2
95.	*	.5	.4	.3	.2	.0	.0	.0	.3	.3	.2	.4	.1	.2	.3	.4	.4	.4	.3	.0	.2
100.	*	.5	.4	.3	.2	.0	.0	.0	.2	.3	.2	.5	.1	.2	.3	.5	.4	.4	.2	.0	.0
105.	*	.5	.5	.3	.2	.1	.0	.0	.2	.3	.2	.5	.1	.0	.4	.5	.6	.4	.2	.0	.0
110.	*	.5	.4	.5	.4	.2	.0	.0	.2	.2	.2	.4	.1	.1	.4	.4	.6	.5	.1	.0	.0
115.	*	.5	.5	.5	.4	.2	.0	.0	.2	.2	.2	.4	.2	.1	.4	.4	.7	.5	.1	.0	.0
120.	*	.5	.5	.6	.5	.2	.0	.0	.2	.2	.3	.4	.2	.1	.4	.4	.6	.5	.1	.0	.0
125.	*	.5	.5	.5	.4	.2	.0	.0	.2	.2	.3	.3	.2	.1	.4	.6	.6	.5	.1	.0	.0
130.	*	.4	.4	.5	.5	.1	.0	.0	.2	.2	.2	.3	.2	.1	.4	.5	.6	.5	.0	.0	.0
135.	*	.4	.3	.6	.6	.0	.0	.0	.3	.2	.2	.3	.2	.1	.4	.5	.5	.5	.0	.0	.0
140.	*	.4	.5	.7	.6	.0	.0	.0	.3	.2	.4	.2	.2	.1	.4	.5	.4	.5	.0	.0	.0
145.	*	.4	.5	.6	.5	.0	.0	.0	.3	.2	.4	.3	.2	.1	.4	.6	.4	.5	.0	.0	.0
150.	*	.4	.5	.5	.5	.0	.0	.0	.3	.2	.5	.3	.0	.1	.4	.6	.4	.4	.0	.0	.0
155.	*	.4	.5	.5	.4	.0	.0	.0	.3	.2	.5	.3	.0	.2	.3	.6	.5	.4	.0	.0	.0
160.	*	.4	.5	.5	.4	.0	.0	.0	.3	.3	.4	.2	.1	.3	.3	.6	.5	.5	.0	.0	.0
165.	*	.4	.3	.5	.4	.0	.0	.0	.3	.3	.4	.2	.1	.3	.5	.6	.5	.5	.0	.0	.0
170.	*	.4	.4	.4	.4	.0	.0	.1	.2	.2	.4	.3	.1	.2	.5	.6	.5	.5	.0	.0	.0
175.	*	.4	.4	.5	.4	.0	.0	.1	.2	.2	.4	.3	.1	.2	.5	.6	.6	.5	.0	.0	.0
180.	*	.4	.4	.4	.4	.1	.0	.2	.2	.3	.4	.2	.1	.2	.6	.5	.6	.5	.0	.0	.0
185.	*	.4	.4	.5	.4	.2	.0	.2	.2	.3	.4	.2	.2	.2	.6	.5	.5	.5	.0	.0	.0
190.	*	.4	.5	.5	.4	.2	.1	.2	.1	.3	.3	.2	.3	.2	.7	.5	.6	.5	.0	.0	.0
195.	*	.4	.5	.4	.4	.2	.1	.2	.1	.3	.3	.3	.2	.2	.7	.4	.5	.5	.0	.0	.0
200.	*	.4	.5	.4	.3	.3	.2	.2	.0	.1	.3	.3	.1	.2	.5	.5	.4	.5	.0	.0	.0
205.	*	.4	.5	.4	.3	.3	.2	.3	.0	.1	.3	.2	.1	.2	.4	.6	.4	.5	.0	.0	.0

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JOB: S10 Boston & Old Boston NBPM35 RUN: Site 10 No Build PM 2035

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.4	.5	.4	.3	.3	.2	.4	.0	.1	.3	.3	.1	.2	.4	.6	.4	.5	.0	.0	.0
215.	*	.4	.5	.4	.3	.2	.2	.4	.0	.1	.3	.3	.0	.1	.5	.6	.5	.5	.0	.0	.0
220.	*	.4	.5	.4	.4	.2	.2	.4	.0	.0	.3	.2	.0	.2	.4	.5	.5	.6	.0	.0	.0
225.	*	.4	.5	.5	.4	.2	.3	.3	.0	.0	.0	.2	.1	.3	.4	.6	.6	.6	.0	.0	.0
230.	*	.4	.5	.5	.4	.3	.3	.3	.0	.0	.0	.2	.2	.3	.5	.6	.6	.6	.0	.0	.1
235.	*	.4	.5	.5	.5	.4	.4	.3	.1	.1	.1	.2	.2	.3	.4	.6	.7	.6	.0	.0	.1
240.	*	.4	.5	.5	.6	.4	.4	.3	.1	.2	.2	.2	.2	.2	.5	.6	.7	.7	.1	.0	.1
245.	*	.3	.5	.5	.6	.3	.5	.5	.1	.1	.2	.2	.2	.2	.5	.6	.7	.7	.1	.0	.1
250.	*	.4	.4	.5	.8	.4	.6	.3	.0	.1	.2	.2	.2	.2	.4	.7	.8	.6	.1	.0	.2
255.	*	.4	.4	.7	.7	.5	.6	.3	.0	.1	.1	.2	.1	.2	.4	.6	.7	.6	.2	.2	.5
260.	*	.5	.5	.7	.7	.5	.5	.3	.0	.0	.1	.2	.1	.2	.5	.6	.6	.7	.2	.3	.6
265.	*	.5	.7	.8	.6	.4	.4	.3	.0	.0	.0	.1	.1	.1	.2	.6	.6	.6	.3	.4	.9
270.	*	.3	.8	.7	.6	.3	.3	.3	.0	.0	.0	.1	.0	.1	.1	.5	.6	.5	.4	.6	.9
275.	*	.1	.6	.7	.6	.5	.4	.3	.0	.0	.0	.0	.0	.0	.1	.3	.4	.4	.6	.6	.9
280.	*	.1	.5	.6	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.1	.2	.4	.3	.7	.7	.9
285.	*	.1	.4	.6	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.2	.3	.2	.7	.7	.9
290.	*	.1	.2	.5	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.7	.7	1.1
295.	*	.0	.1	.4	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.6	.6	1.0
300.	*	.0	.0	.2	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.7	.8	1.0
305.	*	.0	.0	.2	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.7	.7	.9
310.	*	.0	.0	.2	.2	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.9	.9
315.	*	.0	.0	.0	.2	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.9	.7
320.	*	.0	.0	.1	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8	.7
325.	*	.0	.0	.1	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6	.6

330.	*	.0	.0	.2	.3	.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6	.6
335.	*	.0	.0	.2	.3	.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.6
340.	*	.0	.0	.1	.4	.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.7
345.	*	.0	.0	.1	.3	.3	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8	.7
350.	*	.0	.0	.0	.3	.3	.5	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.6
355.	*	.0	.0	.0	.3	.4	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.6
360.	*	.0	.0	.0	.3	.4	.4	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.5
MAX	*	.5	.8	.8	.8	.5	.6	.5	.3	.4	.5	.5	.3	.3	.7	.7	.8	.7	.7	.9	1.1
DEGR.	*	95	270	265	250	255	250	245	0	10	150	100	190	160	190	250	250	260	280	310	290

1

JOB: S10 Boston & Old Boston NBPM35 RUN: Site 10 No Build PM 2035

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24
0.	*	.4	.4	.4	.3
5.	*	.5	.4	.4	.3
10.	*	.5	.4	.4	.3
15.	*	.5	.4	.4	.3
20.	*	.5	.4	.4	.3
25.	*	.5	.4	.4	.3
30.	*	.5	.4	.4	.3
35.	*	.5	.4	.4	.3
40.	*	.3	.4	.4	.3
45.	*	.3	.6	.5	.4
50.	*	.3	.5	.5	.5
55.	*	.3	.5	.6	.5
60.	*	.4	.5	.6	.5
65.	*	.4	.4	.6	.5
70.	*	.4	.5	.6	.5
75.	*	.4	.7	.7	.5
80.	*	.5	.7	.6	.6
85.	*	.6	.7	.6	.5
90.	*	.7	.7	.6	.4
95.	*	.8	.6	.5	.4
100.	*	.8	.6	.5	.3
105.	*	.7	.4	.4	.1
110.	*	.6	.3	.2	.1
115.	*	.3	.1	.1	.1
120.	*	.1	.1	.0	.0
125.	*	.1	.0	.0	.0
130.	*	.1	.0	.0	.0
135.	*	.0	.0	.0	.0
140.	*	.0	.0	.0	.0
145.	*	.0	.0	.0	.0
150.	*	.0	.0	.0	.0
155.	*	.0	.0	.0	.0
160.	*	.0	.0	.0	.0
165.	*	.0	.0	.0	.0
170.	*	.0	.0	.0	.0
175.	*	.0	.0	.0	.0
180.	*	.0	.0	.0	.0
185.	*	.0	.0	.0	.0
190.	*	.0	.0	.0	.0
195.	*	.0	.0	.0	.0
200.	*	.0	.0	.0	.0
205.	*	.0	.0	.0	.0

1

JOB: S10 Boston & Old Boston NBPM35 RUN: Site 10 No Build PM 2035

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24
210.	*	.0	.0	.0	.0
215.	*	.0	.0	.0	.0
220.	*	.0	.0	.0	.0
225.	*	.1	.0	.0	.0
230.	*	.1	.0	.0	.0
235.	*	.1	.0	.0	.0
240.	*	.4	.0	.0	.0
245.	*	.5	.0	.0	.0
250.	*	.5	.0	.0	.0
255.	*	.7	.0	.0	.1
260.	*	.8	.1	.0	.2
265.	*	.8	.2	.0	.2
270.	*	.8	.3	.1	.3
275.	*	.7	.3	.3	.4

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280.  *    .8    .3    .4    .5
285.  *    .7    .4    .3    .5
290.  *    .5    .3    .3    .6
295.  *    .4    .2    .5    .5
300.  *    .5    .3    .5    .4
305.  *    .5    .3    .6    .4
310.  *    .4    .4    .6    .5
315.  *    .5    .4    .6    .4
320.  *    .5    .4    .6    .4
325.  *    .5    .5    .6    .3
330.  *    .5    .5    .5    .3
335.  *    .5    .4    .5    .3
340.  *    .3    .4    .5    .3
345.  *    .3    .4    .4    .3
350.  *    .4    .4    .4    .3
355.  *    .5    .4    .4    .3
360.  *    .4    .4    .4    .3
------*-----------------------
MAX   *    .8    .7    .7    .6
DEGR. *   95    75    75    80

THE HIGHEST CONCENTRATION IS    1.10 PPM AT  290 DEGREES FROM REC20.
THE 2ND HIGHEST CONCENTRATION IS     .90 PPM AT  310 DEGREES FROM REC19.
THE 3RD HIGHEST CONCENTRATION IS     .80 PPM AT  270 DEGREES FROM REC2 .
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S11 Lom & 895 BDAM                      60.0321.0.0000.000150.30480000    1    1
SE MID                    1035.      979.        5.
SE 164                     887.     1169.        5.
SE 82                      825.     1241.        5.
SE CORN                    796.     1282.        5.
SE PATH                    939.     1340.        5.
SE PATH2                   969.     1448.        5.
SE PATH3                  1076.     1540.        5.
NE BUILD                   752.     1712.        5.
WS MID                     264.     1096.        5.
WS 164                     535.     1124.        5.
WS 82                      614.     1157.        5.
SW CORN                    701.     1193.        5.
SW 82                      764.     1135.        5.
SW 164                     823.     1075.        5.
SW MID                     954.      904.        5.
Site 11 BUILD 2021 AM                    55  1   0
  1
NB        BAY       AG  1129.   353.  1038.   889.    265. 8.1  0. 44.   30.
  1
NB        BAY       AG  1038.   889.   953.  1041.    265. 8.1  0. 44.   30.
  1
NB        BAYT      AG   953.  1041.   726.  1293.    125. 8.1  0. 44.   30.
  2
NB        BAY T     AG   765.  1250.   885.  1116.      0. 24.   2
       120        66         3  125   43.6 1723 1 3
  1
NB        BAYL      AG   953.  1041.   715.  1265.    105. 8.1  0. 32.   30.
  2
NB        BAY L     AG   749.  1233.   844.  1144.      0. 12.   1
       120        56         3  105   43.6  980 1 3
  1
NB        BAY R     AG   930.  1081.   746.  1280.     35. 8.1  0. 32.   30.
  2
NB        BAY R     AG   771.  1253.   891.  1123.      0. 12.   1
       120        55         3   35   43.6 1595 1 3
  1
NB        ONRAMP    AG   726.  1293.   482.  1533.    330. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   482.  1533.   416.  1664.    330. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   416.  1664.   406.  1817.    330. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   406.  1817.   452.  1991.    330. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   452.  1991.   545.  2180.    330. 8.1  0. 32.   30.
  1
SB        OFFRAMP   BR    29.  1061.   133.  1356.    255. 8.1 15. 32.   30.
  1
SB        OFFRAMP   AG   133.  1356.   175.  1422.    255. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   175.  1422.   251.  1480.    255. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   251.  1480.   338.  1504.    255. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   338.  1504.   418.  1498.    255. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   418.  1498.   490.  1467.    255. 8.1  0. 32.   30.
  1
SB        OFFRAMPTR AG   490.  1467.   680.  1267.    195. 8.1  0. 32.   30.
  2
SB        OFFRAMP TRAG   653.  1295.   544.  1410.      0. 24.   2
       120        67         3  195   43.6 1699 1 3
  1
SB        OFFRAMPL  AG   490.  1467.   689.  1289.     60. 8.1  0. 32.   30.
  2
SB        OFFRAMP L AG   666.  1309.   575.  1390.      0. 12.   1
       120       106         3   60   43.6 1783 1 3
  1
SB        BAYVIEW   AG   680.  1267.   893.  1041.    765. 8.1  0. 44.   30.
  1
SB        BAYVIEW   AG   893.  1041.   978.   907.    765. 8.1  0. 44.   30.
  1
SB        BAYVIEW   AG   978.   907.  1014.   809.    765. 8.1  0. 44.   30.
  1
SB        BAYVIEW   AG  1014.   809.  1096.   305.    765. 8.1  0. 44.   30.
  1
EB        LOMBARD   AG  -284.  1108.   195.  1135.   1230. 8.1  0. 56.   30.
  1
EB        LOMBARD   AG   195.  1135.   395.  1128.   1230. 8.1  0. 56.   30.
  1
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EB        LOMBARD   AG   395.  1128.   543.  1158.   1230. 8.1  0. 56.   30.
  1
EB        LOMB TR   AG   543.  1158.   709.  1252.   1045. 8.1  0. 56.   30.
  2
EB        LOMB TR   AG   661.  1225.   566.  1171.      0. 36.   3
       120        84         3 1045   43.6 1720 1 3
  1
EB        LOMB L    AG   395.  1128.   489.  1163.    185. 8.1  0. 32.   30.
  1
EB        LOMB L    AG   489.  1163.   683.  1250.    185. 8.1  0. 32.   30.
  2
EB        LOMB L    AG   657.  1238.   592.  1209.      0. 12.   1
       120        96         3  185   43.6 1783 1 3
  1
EB        LOMB D    AG   709.  1252.   833.  1403.    560. 8.1  0. 44.   30.
  1
EB        LOMB D    AG   833.  1403.  1240.  2138.    560. 8.1  0. 44.   30.
  1
WB        LOMB      AG  1218.  2138.   847.  1505.    380. 8.1  0. 44.   30.
  1
WB        LOMB TR   AG   847.  1505.   703.  1289.    195. 8.1  0. 44.   30.
  2
WB        LOMB TR   AG   735.  1337.   800.  1435.      0. 24.   2
       120        91         3  195   43.6 1758 1 3
  1
WB        LOMB L    AG   847.  1505.   833.  1451.     80. 8.1  0. 32.   30.
  1
WB        LOMB L    AG 12833.  1451.   740.  1306.     80. 8.1  0. 32.   30.
  2
WB        LOMB L    AG   751.  1323.   802.  1402.      0. 12.   1
       120       104         3   80   43.6 1783 1 3
  1
WB        LOMB D    AG   703.  1289.   546.  1205.    390. 8.1  0. 44.   30.
  1
WB        LOMB D    AG   546.  1205.   438.  1177.    390. 8.1  0. 44.   30.
  1
WB        LOMB D    AG   438.  1177.  -303.  1137.    390. 8.1  0. 44.   30.
  1
EB        895       BR     3.   552.     4.   959.   2260. 9.3 15. 44.   60.
  1
EB        895       BR     4.   959.    73.  1319.   2260. 9.3 15. 44.   60.
  1
EB        895       BR    73.  1319.   187.  1597.   2260. 9.3 15. 44.   60.
  1
EB        895       AG   187.  1597.   601.  2305.   2260. 9.3  0. 44.   60.
  1
WB        895       AG   536.  2277.   101.  1488.   3100. 9.3  0. 44.   60.
  1
WB        895       BR   101.  1488.    25.  1253.   3100. 9.3 15. 44.   60.
  1
WB        895       BR    25.  1253.   -22.   994.   3100. 9.3 15. 44.   60.
  1
WB        895       BR   -22.   994.   -33.   804.   3100. 9.3 15. 44.   60.
  1
WB        895       AG   -33.   804.   -30.   536.   3100. 9.3  0. 44.   60.
1.0   04  1000   0Y  5  0 72
```

JOB: S11 Lom & 895 BDAM RUN: Site 11 BUILD 2021 AM
DATE: 09/07/2012 TIME: 13:17:39.38

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION			*	LINK COORDINATES (FT)				*	LENGTH	BRG	TYPE	VPH	EF	H	W	V/C	QUEUE
			*	X1	Y1	X2	Y2	*	(FT)	(DEG)			(G/MI)	(FT)	(FT)		(VEH)
1.	NB	BAY	*	1129.0	353.0	1038.0	889.0	*	544.	350.	AG	265.	8.1	.0	44.0		
2.	NB	BAY	*	1038.0	889.0	953.0	1041.0	*	174.	331.	AG	265.	8.1	.0	44.0		
3.	NB	BAYT	*	953.0	1041.0	726.0	1293.0	*	339.	318.	AG	125.	8.1	.0	44.0		
4.	NB	BAY T	*	765.0	1250.0	779.9	1233.3	*	22.	138.	AG	129.	100.0	.0	24.0	.08	1.1
5.	NB	BAYL	*	953.0	1041.0	715.0	1265.0	*	327.	313.	AG	105.	8.1	.0	32.0		
6.	NB	BAY L	*	749.0	1233.0	772.5	1211.0	*	32.	133.	AG	55.	100.0	.0	12.0	.21	1.6
7.	NB	BAY R	*	930.0	1081.0	746.0	1280.0	*	271.	317.	AG	35.	8.1	.0	32.0		
8.	NB	BAY R	*	771.0	1253.0	778.1	1245.3	*	11.	137.	AG	54.	100.0	.0	12.0	.04	.5
9.	NB	ONRAMP	*	726.0	1293.0	482.0	1533.0	*	342.	315.	AG	330.	8.1	.0	32.0		
10.	NB	ONRAMP	*	482.0	1533.0	416.0	1664.0	*	147.	333.	AG	330.	8.1	.0	32.0		
11.	NB	ONRAMP	*	416.0	1664.0	406.0	1817.0	*	153.	356.	AG	330.	8.1	.0	32.0		
12.	NB	ONRAMP	*	406.0	1817.0	452.0	1991.0	*	180.	15.	AG	330.	8.1	.0	32.0		
13.	NB	ONRAMP	*	452.0	1991.0	545.0	2180.0	*	211.	26.	AG	330.	8.1	.0	32.0		
14.	SB	OFFRAMP	*	29.0	1061.0	133.0	1356.0	*	313.	19.	BR	255.	8.1	15.0	32.0		
15.	SB	OFFRAMP	*	133.0	1356.0	175.0	1422.0	*	78.	32.	AG	255.	8.1	.0	32.0		
16.	SB	OFFRAMP	*	175.0	1422.0	251.0	1480.0	*	96.	53.	AG	255.	8.1	.0	32.0		
17.	SB	OFFRAMP	*	251.0	1480.0	338.0	1504.0	*	90.	75.	AG	255.	8.1	.0	32.0		
18.	SB	OFFRAMP	*	338.0	1504.0	418.0	1498.0	*	80.	94.	AG	255.	8.1	.0	32.0		
19.	SB	OFFRAMP	*	418.0	1498.0	490.0	1467.0	*	78.	113.	AG	255.	8.1	.0	32.0		
20.	SB	OFFRAMPTR	*	490.0	1467.0	680.0	1267.0	*	276.	136.	AG	195.	8.1	.0	32.0		
21.	SB	OFFRAMP TR	*	653.0	1295.0	628.6	1320.8	*	36.	317.	AG	131.	100.0	.0	24.0	.14	1.8
22.	SB	OFFRAMPL	*	490.0	1467.0	689.0	1289.0	*	267.	132.	AG	60.	8.1	.0	32.0		
23.	SB	OFFRAMP L	*	666.0	1309.0	640.0	1332.1	*	35.	312.	AG	103.	100.0	.0	12.0	.35	1.8
24.	SB	BAYVIEW	*	680.0	1267.0	893.0	1041.0	*	311.	137.	AG	765.	8.1	.0	44.0		
25.	SB	BAYVIEW	*	893.0	1041.0	978.0	907.0	*	159.	148.	AG	765.	8.1	.0	44.0		
26.	SB	BAYVIEW	*	978.0	907.0	1014.0	809.0	*	104.	160.	AG	765.	8.1	.0	44.0		
27.	SB	BAYVIEW	*	1014.0	809.0	1096.0	305.0	*	511.	171.	AG	765.	8.1	.0	44.0		
28.	EB	LOMBARD	*	-284.0	1108.0	195.0	1135.0	*	480.	87.	AG	1230.	8.1	.0	56.0		
29.	EB	LOMBARD	*	195.0	1135.0	395.0	1128.0	*	200.	92.	AG	1230.	8.1	.0	56.0		
30.	EB	LOMBARD	*	395.0	1128.0	543.0	1158.0	*	151.	79.	AG	1230.	8.1	.0	56.0		

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      31. EB        LOMB TR   *    543.0    1158.0     709.0    1252.0 *     191.    60. AG   1045.   8.1
.0 56.0
      32. EB        LOMB TR   *    661.0    1225.0     522.0    1146.0 *     160.   240. AG    246. 100.0
.0 36.0  .72   8.1
      33. EB        LOMB L    *    395.0    1128.0     489.0    1163.0 *     100.    70. AG    185.   8.1
.0 32.0
      34. EB        LOMB L    *    489.0    1163.0     683.0    1250.0 *     213.    66. AG    185.   8.1
.0 32.0
      35. EB        LOMB L    *    657.0    1238.0     568.3    1198.4 *      97.   246. AG     94. 100.0
.0 12.0  .57   4.9
      36. EB        LOMB D    *    709.0    1252.0     833.0    1403.0 *     195.    39. AG    560.   8.1
.0 44.0
      37. EB        LOMB D    *    833.0    1403.0    1240.0    2138.0 *     840.    29. AG    560.   8.1
.0 44.0
      38. WB        LOMB      *   1218.0    2138.0     847.0    1505.0 *     734.   210. AG    380.   8.1
.0 44.0
      39. WB        LOMB TR   *    847.0    1505.0     703.0    1289.0 *     260.   214. AG    195.   8.1
.0 44.0
      40. WB        LOMB TR   *    735.0    1337.0     761.7    1377.2 *      48.    34. AG    177. 100.0
.0 24.0  .25   2.5
      41. WB        LOMB L    *    847.0    1505.0     833.0    1451.0 *      56.   195. AG     80.   8.1
.0 32.0
      42. WB        LOMB L    *  12833.0    1451.0     740.0    1306.0 *    *****   269. AG     80.   8.1
.0 32.0
      43. WB        LOMB L    *    751.0    1323.0     775.7    1361.2 *      45.    33. AG    101. 100.0
.0 12.0  .39   2.3
      44. WB        LOMB D    *    703.0    1289.0     546.0    1205.0 *     178.   242. AG    390.   8.1
.0 44.0
1
```

PAGE 2

JOB: S11 Lom & 895 BDAM RUN: Site 11 BUILD 2021 AM
DATE: 09/07/2012 TIME: 13:17:39.38

LINK VARIABLES

```
        LINK DESCRIPTION     *         LINK COORDINATES (FT)          *    LENGTH  BRG TYPE   VPH    EF
H   W    V/C QUEUE
                             *   X1        Y1        X2        Y2     *     (FT)  (DEG)            (G/MI)
(FT) (FT)       (VEH)
      ------------------------*----------------------------------------*-----------------------------------
---------------------
      45. WB        LOMB D    *    546.0    1205.0     438.0    1177.0 *     112.   255. AG    390.   8.1
.0 44.0
      46. WB        LOMB D    *    438.0    1177.0    -303.0    1137.0 *     742.   267. AG    390.   8.1
.0 44.0
      47. EB        895       *      3.0     552.0       4.0     959.0 *     407.     0. BR   2260.   9.3
15.0 44.0
      48. EB        895       *      4.0     959.0      73.0    1319.0 *     367.    11. BR   2260.   9.3
15.0 44.0
      49. EB        895       *     73.0    1319.0     187.0    1597.0 *     300.    22. BR   2260.   9.3
15.0 44.0
      50. EB        895       *    187.0    1597.0     601.0    2305.0 *     820.    30. AG   2260.   9.3
.0 44.0
      51. WB        895       *    536.0    2277.0     101.0    1488.0 *     901.   209. AG   3100.   9.3
.0 44.0
      52. WB        895       *    101.0    1488.0      25.0    1253.0 *     247.   198. BR   3100.   9.3
15.0 44.0
      53. WB        895       *     25.0    1253.0     -22.0     994.0 *     263.   190. BR   3100.   9.3
15.0 44.0
      54. WB        895       *    -22.0     994.0     -33.0     804.0 *     190.   183. BR   3100.   9.3
15.0 44.0
      55. WB        895       *    -33.0     804.0     -30.0     536.0 *     268.   179. AG   3100.   9.3
.0 44.0
1
```

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JOB: S11 Lom & 895 BDAM RUN: Site 11 BUILD 2021 AM
DATE: 09/07/2012 TIME: 13:17:39.38

ADDITIONAL QUEUE LINK PARAMETERS

```
        LINK DESCRIPTION     *    CYCLE    RED     CLEARANCE  APPROACH  SATURATION   IDLE   SIGNAL   ARRIVAL
                             *    LENGTH   TIME    LOST TIME    VOL     FLOW RATE   EM FAC   TYPE     RATE
                             *     (SEC)   (SEC)    (SEC)      (VPH)      (VPH)    (gm/hr)
      ------------------------*-------------------------------------------------------------------------
--
       4. NB        BAY T     *     120       66        .3       125       1723      43.60      1        3
       6. NB        BAY L     *     120       56        .3       105        980      43.60      1        3
       8. NB        BAY R     *     120       55        .3        35       1595      43.60      1        3
      21. SB        OFFRAMP TR*     120       67        .3       195       1699      43.60      1        3
```

23. SB	OFFRAMP L	*	120	106	.3	60	1783	43.60	1	3
32. EB	LOMB TR	*	120	84	.3	1045	1720	43.60	1	3
35. EB	LOMB L	*	120	96	.3	185	1783	43.60	1	3
40. WB	LOMB TR	*	120	91	.3	195	1758	43.60	1	3
43. WB	LOMB L	*	120	104	.3	80	1783	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID	1035.0	979.0	5.0
2. SE 164	887.0	1169.0	5.0
3. SE 82	825.0	1241.0	5.0
4. SE CORN	796.0	1282.0	5.0
5. SE PATH	939.0	1340.0	5.0
6. SE PATH2	969.0	1448.0	5.0
7. SE PATH3	1076.0	1540.0	5.0
8. NE BUILD	752.0	1712.0	5.0
9. WS MID	264.0	1096.0	5.0
10. WS 164	535.0	1124.0	5.0
11. WS 82	614.0	1157.0	5.0
12. SW CORN	701.0	1193.0	5.0
13. SW 82	764.0	1135.0	5.0
14. SW 164	823.0	1075.0	5.0
15. SW MID	954.0	904.0	5.0

1

JOB: S11 Lom & 895 BDAM RUN: Site 11 BUILD 2021 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
0.	.0	.0	.0	.1	.1	.1	.1	.0	.7	1.2	1.1	.3	.3	.2	.3
5.	.0	.0	.1	.1	.1	.1	.0	.0	.7	1.1	1.1	.4	.2	.2	.3
10.	.0	.0	.1	.2	.1	.1	.0	.0	.6	1.1	1.1	.5	.2	.2	.3
15.	.0	.0	.1	.2	.1	.1	.0	.0	.6	1.2	1.1	.5	.2	.2	.2
20.	.0	.0	.1	.2	.0	.1	.0	.0	.6	1.3	1.1	.5	.2	.2	.2
25.	.0	.0	.1	.2	.0	.0	.0	.0	.4	1.3	1.0	.5	.2	.2	.2
30.	.0	.0	.0	.1	.0	.0	.0	.0	.4	1.4	.9	.5	.2	.2	.2
35.	.0	.0	.0	.1	.0	.0	.0	.0	.4	1.5	.7	.4	.2	.2	.2
40.	.0	.0	.0	.0	.0	.0	.0	.0	.4	1.4	.9	.3	.2	.2	.2
45.	.0	.0	.0	.0	.0	.0	.0	.0	.4	1.4	.7	.3	.2	.2	.2
50.	.0	.0	.0	.0	.0	.0	.0	.0	.4	1.3	.5	.3	.2	.2	.2
55.	.0	.0	.0	.0	.0	.0	.0	.0	.4	1.1	.4	.3	.2	.2	.2
60.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8	.3	.3	.2	.2	.2
65.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6	.3	.2	.2	.2	.2
70.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.2	.2	.2	.2	.3
75.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.1	.2	.2	.2	.2
80.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.2	.2	.2	.2
85.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.2	.2	.2	.2
90.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.1	.2	.2	.2	.2
95.	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	.2	.2	.2	.2
100.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.2	.2	.2	.3
105.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.3
110.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.3	.3
115.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.3	.3
120.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.3	.3
125.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.3
130.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.2	.3
135.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2
140.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3
145.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3
150.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3
155.	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
160.	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
165.	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
170.	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
175.	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2

180. *	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
185. *	.2	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
190. *	.3	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
195. *	.2	.1	.1	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
200. *	.2	.1	.1	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
205. *	.2	.1	.1	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0

1

JOB: S11 Lom & 895 BDAM RUN: Site 11 BUILD 2021 AM

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
210. *	.2	.1	.1	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
215. *	.2	.1	.1	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
220. *	.2	.1	.1	.3	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
225. *	.2	.1	.1	.4	.0	.1	.0	.0	.3	.2	.0	.0	.0	.0	.0
230. *	.2	.1	.1	.4	.0	.1	.0	.0	.3	.2	.2	.0	.0	.0	.0
235. *	.2	.1	.2	.5	.1	.1	.0	.0	.3	.2	.3	.2	.0	.0	.0
240. *	.2	.1	.2	.4	.1	.1	.0	.1	.3	.4	.4	.3	.0	.0	.0
245. *	.2	.1	.4	.5	.2	.1	.0	.2	.4	.3	.5	.4	.1	.0	.0
250. *	.2	.1	.5	.5	.2	.0	.0	.2	.3	.3	.5	.5	.0	.0	.0
255. *	.2	.2	.5	.7	.1	.0	.0	.2	.4	.6	.9	.8	.0	.0	.0
260. *	.2	.2	.7	.6	.1	.0	.0	.2	.4	.6	1.2	1.0	.1	.0	.0
265. *	.2	.2	.7	.4	.1	.1	.0	.2	.5	.7	1.3	1.0	.4	.0	.0
270. *	.2	.3	.4	.4	.1	.1	.1	.2	.7	.8	1.3	1.1	.4	.1	.0
275. *	.2	.3	.5	.2	.1	.2	.1	.2	.7	.8	1.3	.9	.6	.3	.0
280. *	.2	.3	.5	.2	.1	.2	.1	.2	.8	.8	1.2	.9	.4	.1	.0
285. *	.2	.3	.2	.2	.1	.2	.2	.2	.9	.9	1.0	.9	.4	.1	.0
290. *	.4	.3	.3	.3	.1	.3	.2	.2	.9	.9	1.2	.9	.4	.1	.0
295. *	.4	.3	.3	.3	.1	.3	.2	.2	.9	.7	1.2	.9	.5	.2	.0
300. *	.2	.2	.2	.4	.2	.3	.2	.2	.7	.6	1.0	.8	.4	.3	.1
305. *	.2	.1	.3	.5	.2	.3	.2	.2	.8	.6	1.0	.7	.5	.4	.2
310. *	.2	.2	.3	.5	.2	.3	.2	.2	.8	.7	1.1	.7	.4	.4	.3
315. *	.2	.2	.4	.5	.2	.3	.2	.2	.8	.7	1.0	.7	.4	.5	.4
320. *	.1	.2	.4	.5	.2	.3	.2	.2	.8	.9	1.1	.7	.5	.6	.3
325. *	.2	.2	.4	.5	.3	.3	.0	.2	.8	.8	1.1	.6	.6	.4	.5
330. *	.2	.2	.4	.5	.3	.3	.1	.2	.7	1.0	1.2	.6	.5	.5	.5
335. *	.1	.2	.4	.5	.3	.1	.1	.2	.7	1.0	1.2	.5	.5	.5	.6
340. *	.0	.2	.4	.5	.1	.1	.1	.2	.7	1.1	1.2	.5	.4	.5	.5
345. *	.0	.0	.2	.5	.1	.1	.1	.1	.7	1.1	1.2	.5	.4	.5	.3
350. *	.0	.0	.1	.3	.1	.1	.1	.0	.8	1.1	1.2	.5	.3	.2	.3
355. *	.0	.0	.1	.1	.1	.1	.1	.0	.8	1.3	1.2	.4	.3	.2	.3
360. *	.0	.0	.0	.1	.1	.1	.1	.0	.7	1.2	1.1	.3	.3	.2	.3
MAX *	.4	.3	.7	.7	.3	.3	.2	.2	.9	1.5	1.3	1.1	.6	.6	.6
DEGR. *	290	270	260	255	325	290	285	245	295	35	265	270	275	320	335

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 35 DEGREES FROM REC10.
THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 265 DEGREES FROM REC11.
THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 270 DEGREES FROM REC12.

```
S11 Lom & 895 BDPM                      60.0321.0.0000.000150.30480000    1    1
SE MID                    1035.      979.        5.
SE 164                     887.     1169.        5.
SE 82                      825.     1241.        5.
SE CORN                    796.     1282.        5.
SE PATH                    939.     1340.        5.
SE PATH2                   969.     1448.        5.
SE PATH3                  1076.     1540.        5.
NE BUILD                   752.     1712.        5.
WS MID                     264.     1096.        5.
WS 164                     535.     1124.        5.
WS 82                      614.     1157.        5.
SW CORN                    701.     1193.        5.
SW 82                      764.     1135.        5.
SW 164                     823.     1075.        5.
SW MID                     954.      904.        5.
Site 11 BUILD 2021 PM                    55  1   0
  1
NB        BAY       AG  1129.   353.  1038.   889.    790. 8.1  0. 44.   30.
  1
NB        BAY       AG  1038.   889.   953.  1041.    790. 8.1  0. 44.   30.
  1
NB        BAYT      AG   953.  1041.   726.  1293.    405. 8.1  0. 44.   30.
  2
NB        BAY T     AG   765.  1250.   885.  1116.      0. 24.   2
       120        71         3  405   43.6 1783 1 3
  1
NB        BAYL      AG   953.  1041.   715.  1265.    280. 8.1  0. 32.   30.
  2
NB        BAY L     AG   749.  1233.   844.  1144.      0. 12.   1
       120        57         3  280   43.6 1116 1 3
  1
NB        BAY R     AG   930.  1081.   746.  1280.    105. 8.1  0. 32.   30.
  2
NB        BAY R     AG   771.  1253.   891.  1123.      0. 12.   1
       120        64         3  105   43.6 1595 1 3
  1
NB        ONRAMP    AG   726.  1293.   482.  1533.    775. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   482.  1533.   416.  1664.    775. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   416.  1664.   406.  1817.    775. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   406.  1817.   452.  1991.    775. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   452.  1991.   545.  2180.    775. 8.1  0. 32.   30.
  1
SB        OFFRAMP   BR    29.  1061.   133.  1356.    100. 8.1 15. 32.   30.
  1
SB        OFFRAMP   AG   133.  1356.   175.  1422.    100. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   175.  1422.   251.  1480.    100. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   251.  1480.   338.  1504.    100. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   338.  1504.   418.  1498.    100. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   418.  1498.   490.  1467.    100. 8.1  0. 32.   30.
  1
SB        OFFRAMPTR AG   490.  1467.   680.  1267.     35. 8.1  0. 32.   30.
  2
SB        OFFRAMP TRAG   653.  1295.   544.  1410.      0. 24.   2
       120        80         3   35   43.6 1593 1 3
  1
SB        OFFRAMPL  AG   490.  1467.   689.  1289.     70. 8.1  0. 32.   30.
  2
SB        OFFRAMP L AG   666.  1309.   575.  1390.      0. 12.   1
       120       106         3   70   43.6 1783 1 3
  1
SB        BAYVIEW   AG   680.  1267.   893.  1041.    195. 8.1  0. 44.   30.
  1
SB        BAYVIEW   AG   893.  1041.   978.   907.    195. 8.1  0. 44.   30.
  1
SB        BAYVIEW   AG   978.   907.  1014.   809.    195. 8.1  0. 44.   30.
  1
SB        BAYVIEW   AG  1014.   809.  1096.   305.    195. 8.1  0. 44.   30.
  1
EB        LOMBARD   AG  -284.  1108.   195.  1135.   1135. 8.1  0. 56.   30.
  1
EB        LOMBARD   AG   195.  1135.   395.  1128.   1135. 8.1  0. 56.   30.
  1
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EB        LOMBARD   AG   395.  1128.   543.  1158.   1135. 8.1  0. 56.   30.
  1
EB        LOMB TR   AG   543.  1158.   709.  1252.    860. 8.1  0. 56.   30.
  2
EB        LOMB TR   AG   661.  1225.   566.  1171.      0. 36.   3
       120        75         3  860   43.6 1720 1 3
  1
EB        LOMB L    AG   395.  1128.   489.  1163.    275. 8.1  0. 32.   30.
  1
EB        LOMB L    AG   489.  1163.   683.  1250.    275. 8.1  0. 32.   30.
  2
EB        LOMB L    AG   657.  1238.   592.  1209.      0. 12.   1
       120        90         3  275   43.6 1783 1 3
  1
EB        LOMB D    AG   709.  1252.   833.  1403.    810. 8.1  0. 44.   30.
  1
EB        LOMB D    AG   833.  1403.  1240.  2138.    810. 8.1  0. 44.   30.
  1
WB        LOMB      AG  1218.  2138.   847.  1505.    380. 8.1  0. 44.   30.
  1
WB        LOMB TR   AG   847.  1505.   703.  1289.    345. 8.1  0. 44.   30.
  2
WB        LOMB TR   AG   735.  1337.   800.  1435.      0. 24.   2
       120        93         3  345   43.6 1726 1 3
  1
WB        LOMB L    AG   847.  1505.   833.  1451.     15. 8.1  0. 32.   30.
  1
WB        LOMB L    AG 12833.  1451.   740.  1306.     15. 8.1  0. 32.   30.
  2
WB        LOMB L    AG   751.  1323.   802.  1402.      0. 12.   1
       120       108         3   15   43.6 1783 1 3
  1
WB        LOMB D    AG   703.  1289.   546.  1205.    605. 8.1  0. 44.   30.
  1
WB        LOMB D    AG   546.  1205.   438.  1177.    605. 8.1  0. 44.   30.
  1
WB        LOMB D    AG   438.  1177.  -303.  1137.    605. 8.1  0. 44.   30.
  1
EB        895       BR     3.   552.     4.   959.   3135. 9.3 15. 44.   60.
  1
EB        895       BR     4.   959.    73.  1319.   3135. 9.3 15. 44.   60.
  1
EB        895       BR    73.  1319.   187.  1597.   3135. 9.3 15. 44.   60.
  1
EB        895       AG   187.  1597.   601.  2305.   3135. 9.3  0. 44.   60.
  1
WB        895       AG   536.  2277.   101.  1488.   2815. 9.3  0. 44.   60.
  1
WB        895       BR   101.  1488.    25.  1253.   2815. 9.3 15. 44.   60.
  1
WB        895       BR    25.  1253.   -22.   994.   2815. 9.3 15. 44.   60.
  1
WB        895       BR   -22.   994.   -33.   804.   2815. 9.3 15. 44.   60.
  1
WB        895       AG   -33.   804.   -30.   536.   2815. 9.3  0. 44.   60.
1.0   04  1000   0Y  5  0 72
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JOB: S11 Lom & 895 BDPM RUN: Site 11 BUILD 2021 PM
DATE: 09/07/2012 TIME: 13:17:57.56

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB BAY	*	1129.0	353.0	1038.0	889.0	*	544.	350.	AG	790.	8.1	.0	44.0		
2. NB BAY	*	1038.0	889.0	953.0	1041.0	*	174.	331.	AG	790.	8.1	.0	44.0		
3. NB BAYT	*	953.0	1041.0	726.0	1293.0	*	339.	318.	AG	405.	8.1	.0	44.0		
4. NB BAY T	*	765.0	1250.0	817.3	1191.6	*	78.	138.	AG	138.	100.0	.0	24.0	.29	4.0
5. NB BAYL	*	953.0	1041.0	715.0	1265.0	*	327.	313.	AG	280.	8.1	.0	32.0		
6. NB BAY L	*	749.0	1233.0	812.7	1173.3	*	87.	133.	AG	56.	100.0	.0	12.0	.50	4.4
7. NB BAY R	*	930.0	1081.0	746.0	1280.0	*	271.	317.	AG	105.	8.1	.0	32.0		
8. NB BAY R	*	771.0	1253.0	795.9	1226.0	*	37.	137.	AG	62.	100.0	.0	12.0	.15	1.9
9. NB ONRAMP	*	726.0	1293.0	482.0	1533.0	*	342.	315.	AG	775.	8.1	.0	32.0		
10. NB ONRAMP	*	482.0	1533.0	416.0	1664.0	*	147.	333.	AG	775.	8.1	.0	32.0		
11. NB ONRAMP	*	416.0	1664.0	406.0	1817.0	*	153.	356.	AG	775.	8.1	.0	32.0		
12. NB ONRAMP	*	406.0	1817.0	452.0	1991.0	*	180.	15.	AG	775.	8.1	.0	32.0		
13. NB ONRAMP	*	452.0	1991.0	545.0	2180.0	*	211.	26.	AG	775.	8.1	.0	32.0		
14. SB OFFRAMP	*	29.0	1061.0	133.0	1356.0	*	313.	19.	BR	100.	8.1	15.0	32.0		
15. SB OFFRAMP	*	133.0	1356.0	175.0	1422.0	*	78.	32.	AG	100.	8.1	.0	32.0		
16. SB OFFRAMP	*	175.0	1422.0	251.0	1480.0	*	96.	53.	AG	100.	8.1	.0	32.0		
17. SB OFFRAMP	*	251.0	1480.0	338.0	1504.0	*	90.	75.	AG	100.	8.1	.0	32.0		
18. SB OFFRAMP	*	338.0	1504.0	418.0	1498.0	*	80.	94.	AG	100.	8.1	.0	32.0		
19. SB OFFRAMP	*	418.0	1498.0	490.0	1467.0	*	78.	113.	AG	100.	8.1	.0	32.0		
20. SB OFFRAMPTR	*	490.0	1467.0	680.0	1267.0	*	276.	136.	AG	35.	8.1	.0	32.0		
21. SB OFFRAMP TR	*	653.0	1295.0	647.9	1300.4	*	7.	317.	AG	156.	100.0	.0	24.0	.03	.4
22. SB OFFRAMPL	*	490.0	1467.0	689.0	1289.0	*	267.	132.	AG	70.	8.1	.0	32.0		
23. SB OFFRAMP L	*	666.0	1309.0	635.7	1336.0	*	41.	312.	AG	103.	100.0	.0	12.0	.40	2.1
24. SB BAYVIEW	*	680.0	1267.0	893.0	1041.0	*	311.	137.	AG	195.	8.1	.0	44.0		
25. SB BAYVIEW	*	893.0	1041.0	978.0	907.0	*	159.	148.	AG	195.	8.1	.0	44.0		
26. SB BAYVIEW	*	978.0	907.0	1014.0	809.0	*	104.	160.	AG	195.	8.1	.0	44.0		
27. SB BAYVIEW	*	1014.0	809.0	1096.0	305.0	*	511.	171.	AG	195.	8.1	.0	44.0		
28. EB LOMBARD	*	-284.0	1108.0	195.0	1135.0	*	480.	87.	AG	1135.	8.1	.0	56.0		
29. EB LOMBARD	*	195.0	1135.0	395.0	1128.0	*	200.	92.	AG	1135.	8.1	.0	56.0		
30. EB LOMBARD	*	395.0	1128.0	543.0	1158.0	*	151.	79.	AG	1135.	8.1	.0	56.0		
31. EB LOMB TR	*	543.0	1158.0	709.0	1252.0	*	191.	60.	AG	860.	8.1	.0	56.0		
32. EB LOMB TR	*	661.0	1225.0	559.0	1167.0	*	117.	240.	AG	219.	100.0	.0	36.0	.47	6.0
33. EB LOMB L	*	395.0	1128.0	489.0	1163.0	*	100.	70.	AG	275.	8.1	.0	32.0		
34. EB LOMB L	*	489.0	1163.0	683.0	1250.0	*	213.	66.	AG	275.	8.1	.0	32.0		
35. EB LOMB L	*	657.0	1238.0	533.4	1182.9	*	135.	246.	AG	88.	100.0	.0	12.0	.67	6.9
36. EB LOMB D	*	709.0	1252.0	833.0	1403.0	*	195.	39.	AG	810.	8.1	.0	44.0		
37. EB LOMB D	*	833.0	1403.0	1240.0	2138.0	*	840.	29.	AG	810.	8.1	.0	44.0		
38. WB LOMB	*	1218.0	2138.0	847.0	1505.0	*	734.	210.	AG	380.	8.1	.0	44.0		
39. WB LOMB TR	*	847.0	1505.0	703.0	1289.0	*	260.	214.	AG	345.	8.1	.0	44.0		
40. WB LOMB TR	*	735.0	1337.0	783.3	1409.9	*	87.	34.	AG	181.	100.0	.0	24.0	.48	4.4
41. WB LOMB L	*	847.0	1505.0	833.0	1451.0	*	56.	195.	AG	15.	8.1	.0	32.0		
42. WB LOMB L	*	12833.0	1451.0	740.0	1306.0	*	*****	269.	AG	15.	8.1	.0	32.0		
43. WB LOMB L	*	751.0	1323.0	755.8	1330.4	*	9.	33.	AG	105.	100.0	.0	12.0	.10	.5
44. WB LOMB D	*	703.0	1289.0	546.0	1205.0	*	178.	242.	AG	605.	8.1	.0	44.0		

JOB: S11 Lom & 895 BDPM RUN: Site 11 BUILD 2021 PM
DATE: 09/07/2012 TIME: 13:17:57.56

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. WB LOMB D	*	546.0	1205.0	438.0	1177.0	*	112.	255.	AG	605.	8.1	.0	44.0		
46. WB LOMB D	*	438.0	1177.0	-303.0	1137.0	*	742.	267.	AG	605.	8.1	.0	44.0		
47. EB 895	*	3.0	552.0	4.0	959.0	*	407.	0.	BR	3135.	9.3	15.0	44.0		
48. EB 895	*	4.0	959.0	73.0	1319.0	*	367.	11.	BR	3135.	9.3	15.0	44.0		
49. EB 895	*	73.0	1319.0	187.0	1597.0	*	300.	22.	BR	3135.	9.3	15.0	44.0		
50. EB 895	*	187.0	1597.0	601.0	2305.0	*	820.	30.	AG	3135.	9.3	.0	44.0		
51. WB 895	*	536.0	2277.0	101.0	1488.0	*	901.	209.	AG	2815.	9.3	.0	44.0		
52. WB 895	*	101.0	1488.0	25.0	1253.0	*	247.	198.	BR	2815.	9.3	15.0	44.0		
53. WB 895	*	25.0	1253.0	-22.0	994.0	*	263.	190.	BR	2815.	9.3	15.0	44.0		
54. WB 895	*	-22.0	994.0	-33.0	804.0	*	190.	183.	BR	2815.	9.3	15.0	44.0		
55. WB 895	*	-33.0	804.0	-30.0	536.0	*	268.	179.	AG	2815.	9.3	.0	44.0		

JOB: S11 Lom & 895 BDPM RUN: Site 11 BUILD 2021 PM
DATE: 09/07/2012 TIME: 13:17:57.56

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE

4. NB	BAY T	120	71	.3	405	1783	43.60	1	3
6. NB	BAY L	120	57	.3	280	1116	43.60	1	3
8. NB	BAY R	120	64	.3	105	1595	43.60	1	3
21. SB	OFFRAMP TR	120	80	.3	35	1593	43.60	1	3
23. SB	OFFRAMP L	120	106	.3	70	1783	43.60	1	3
32. EB	LOMB TR	120	75	.3	860	1720	43.60	1	3
35. EB	LOMB L	120	90	.3	275	1783	43.60	1	3
40. WB	LOMB TR	120	93	.3	345	1726	43.60	1	3
43. WB	LOMB L	120	108	.3	15	1783	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID	1035.0	979.0	5.0
2. SE 164	887.0	1169.0	5.0
3. SE 82	825.0	1241.0	5.0
4. SE CORN	796.0	1282.0	5.0
5. SE PATH	939.0	1340.0	5.0
6. SE PATH2	969.0	1448.0	5.0
7. SE PATH3	1076.0	1540.0	5.0
8. NE BUILD	752.0	1712.0	5.0
9. WS MID	264.0	1096.0	5.0
10. WS 164	535.0	1124.0	5.0
11. WS 82	614.0	1157.0	5.0
12. SW CORN	701.0	1193.0	5.0
13. SW 82	764.0	1135.0	5.0
14. SW 164	823.0	1075.0	5.0
15. SW MID	954.0	904.0	5.0

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JOB: S11 Lom & 895 BDPM RUN: Site 11 BUILD 2021 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
0.	.0	.1	.2	.2	.1	.1	.1	.0	.8	.8	1.2	.4	.6	.3	.2
5.	.0	.1	.2	.3	.1	.1	.1	.0	.8	.6	1.1	.4	.6	.3	.2
10.	.0	.1	.1	.2	.1	.1	.1	.0	.7	.5	1.1	.4	.6	.3	.2
15.	.0	.1	.1	.2	.1	.1	.1	.0	.6	.6	1.1	.3	.6	.3	.2
20.	.0	.1	.1	.2	.1	.1	.0	.0	.5	.7	.9	.4	.5	.2	.2
25.	.0	.0	.1	.2	.0	.1	.0	.0	.5	.8	1.0	.4	.5	.1	.2
30.	.0	.0	.1	.2	.0	.0	.0	.0	.4	.9	1.2	.3	.4	.1	.2
35.	.0	.0	.0	.1	.0	.0	.0	.0	.4	.9	1.0	.3	.3	.1	.2
40.	.0	.0	.0	.1	.0	.0	.0	.0	.4	.9	.8	.3	.2	.1	.2
45.	.0	.0	.0	.0	.0	.0	.0	.0	.4	1.0	.6	.2	.2	.2	.2
50.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.9	.5	.3	.2	.2	.2
55.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.3	.2	.1	.1	.2
60.	.0	.0	.0	.0	.0	.0	.0	.1	.5	.5	.3	.2	.1	.1	.1
65.	.0	.0	.0	.0	.0	.0	.0	.1	.6	.4	.2	.3	.1	.1	.1
70.	.0	.0	.0	.0	.0	.0	.0	.1	.5	.3	.2	.3	.1	.1	.1
75.	.0	.0	.0	.0	.0	.0	.0	.1	.5	.2	.1	.3	.1	.1	.1
80.	.0	.0	.0	.0	.0	.0	.0	.1	.4	.2	.1	.3	.1	.2	.1
85.	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.3	.2	.2	.1
90.	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.3	.2	.2	.1
95.	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.3	.2	.1	.1
100.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.3	.2	.1	.1
105.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.2	.1	.2
110.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.1	.1
115.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.1	.1	.1
120.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.1	.1	.2
125.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.1	.2
130.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.2
135.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2
140.	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2
145.	.0	.2	.1	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.2
150.	.0	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2
155.	.1	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
160.	.1	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
165.	.2	.1	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
170.	.2	.1	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
175.	.2	.1	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
180.	.2	.1	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
185.	.2	.1	.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	.3	.1	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	.3	.1	.3	.5	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
200.	.2	.1	.4	.5	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
205.	.2	.1	.4	.5	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

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JOB: S11 Lom & 895 BDPM RUN: Site 11 BUILD 2021 PM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
210.	.2	.1	.5	.4	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
215.	.2	.1	.5	.4	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
220.	.2	.1	.5	.4	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0
225.	.2	.1	.5	.4	.1	.0	.0	.1	.4	.2	.1	.0	.0	.0	.0
230.	.2	.1	.5	.5	.1	.1	.0	.1	.4	.2	.2	.1	.0	.0	.0
235.	.2	.1	.6	.5	.2	.1	.0	.2	.3	.2	.2	.1	.1	.0	.0
240.	.2	.2	.7	.7	.3	.2	.0	.2	.3	.2	.3	.2	.1	.1	.0
245.	.2	.2	.9	.6	.1	.2	.1	.2	.4	.3	.3	.4	.1	.1	.0
250.	.2	.2	.8	.8	.3	.3	.1	.2	.5	.4	.5	.6	.1	.1	.0
255.	.3	.1	.9	.6	.3	.3	.1	.3	.5	.6	.5	.6	.1	.1	.1
260.	.3	.3	.8	.6	.2	.2	.1	.3	.4	.5	.8	.9	.1	.1	.1
265.	.2	.4	.7	.6	.3	.2	.1	.2	.6	.8	1.0	1.1	.3	.1	.1
270.	.2	.4	.8	.5	.2	.2	.2	.2	.8	.8	1.2	1.1	.4	.1	.0
275.	.2	.6	.8	.6	.3	.3	.3	.2	.8	.8	1.1	.8	.4	.1	.0
280.	.3	.5	.9	.5	.3	.2	.3	.2	.8	.8	1.1	1.1	.3	.1	.1
285.	.2	.6	.5	.3	.4	.3	.3	.2	.9	.8	1.2	1.0	.5	.2	.1
290.	.2	.4	.5	.4	.4	.3	.3	.2	.9	.8	1.1	1.0	.5	.2	.1
295.	.2	.3	.6	.4	.3	.3	.3	.2	.8	.7	1.1	.8	.5	.2	.0
300.	.1	.3	.5	.5	.2	.3	.3	.2	.8	.7	1.1	.9	.5	.3	.0
305.	.2	.5	.5	.5	.2	.3	.3	.2	.8	.6	1.0	.9	.5	.4	.0
310.	.3	.5	.5	.5	.3	.3	.3	.2	.9	.7	1.1	.8	.4	.3	.0
315.	.4	.6	.5	.5	.3	.3	.3	.2	.8	.6	1.2	.8	.4	.3	.1
320.	.4	.5	.5	.6	.3	.3	.3	.2	.7	.6	1.1	.6	.4	.4	.2
325.	.2	.4	.4	.5	.3	.3	.2	.2	.7	.7	1.2	.7	.4	.3	.2
330.	.2	.4	.4	.5	.3	.3	.1	.2	.8	.6	1.2	.7	.5	.3	.3
335.	.1	.3	.4	.6	.3	.2	.1	.2	.8	.6	1.2	.6	.4	.4	.3
340.	.0	.2	.4	.6	.2	.1	.1	.2	.7	.6	1.2	.6	.5	.4	.2
345.	.0	.1	.3	.6	.1	.1	.1	.1	.8	.6	1.2	.6	.5	.5	.1
350.	.0	.0	.2	.5	.1	.1	.1	.1	.7	.6	1.2	.5	.5	.4	.1
355.	.0	.1	.2	.3	.1	.1	.1	.0	.8	.6	1.3	.5	.4	.3	.2
360.	.0	.1	.2	.2	.1	.1	.1	.0	.8	.8	1.2	.4	.6	.3	.2
MAX	.4	.6	.9	.8	.4	.3	.3	.3	.9	1.0	1.3	1.1	.6	.5	.3
DEGR.	315	275	245	250	285	250	275	255	310	45	355	265	0	345	330

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 355 DEGREES FROM REC11.
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 265 DEGREES FROM REC12.
THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 45 DEGREES FROM REC10.

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S11 Lom & 895 BDAM                      60.0321.0.0000.000150.30480000    1    1
SE MID                    1035.      979.        5.
SE 164                     887.     1169.        5.
SE 82                      825.     1241.        5.
SE CORN                    796.     1282.        5.
SE PATH                    939.     1340.        5.
SE PATH2                   969.     1448.        5.
SE PATH3                  1076.     1540.        5.
NE BUILD                   752.     1712.        5.
WS MID                     264.     1096.        5.
WS 164                     535.     1124.        5.
WS 82                      614.     1157.        5.
SW CORN                    701.     1193.        5.
SW 82                      764.     1135.        5.
SW 164                     823.     1075.        5.
SW MID                     954.      904.        5.
Site 11 BUILD 2035 AM                    55  1   0
  1
NB        BAY       AG  1129.   353.  1038.   889.    740. 7.8  0. 44.   30.
  1
NB        BAY       AG  1038.   889.   953.  1041.    740. 7.8  0. 44.   30.
  1
NB        BAYT      AG   953.  1041.   726.  1293.    365. 7.8  0. 44.   30.
  2
NB        BAY T     AG   765.  1250.   885.  1116.      0. 24.   2
       120        95         3  365   42.1 1783 1 3
  1
NB        BAYL      AG   953.  1041.   715.  1265.    260. 7.8  0. 32.   30.
  2
NB        BAY L     AG   749.  1233.   844.  1144.      0. 12.   1
       120        85         3  260   42.1  395 1 3
  1
NB        BAY R     AG   930.  1081.   746.  1280.    115. 7.8  0. 32.   30.
  2
NB        BAY R     AG   771.  1253.   891.  1123.      0. 12.   1
       120        86         3  115   42.1 1595 1 3
  1
NB        ONRAMP    AG   726.  1293.   482.  1533.    641. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   482.  1533.   416.  1664.    641. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   416.  1664.   406.  1817.    641. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   406.  1817.   452.  1991.    641. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   452.  1991.   545.  2180.    641. 7.8  0. 32.   30.
  1
SB        OFFRAMP   BR    29.  1061.   133.  1356.    550. 7.8 15. 32.   30.
  1
SB        OFFRAMP   AG   133.  1356.   175.  1422.    550. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   175.  1422.   251.  1480.    550. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   251.  1480.   338.  1504.    550. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   338.  1504.   418.  1498.    550. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   418.  1498.   490.  1467.    550. 7.8  0. 32.   30.
  1
SB        OFFRAMPTR AG   490.  1467.   680.  1267.    345. 7.8  0. 32.   30.
  2
SB        OFFRAMP TRAG   653.  1295.   544.  1410.      0. 24.   2
       120        96         3  345   42.1 1733 1 3
  1
SB        OFFRAMPL  AG   490.  1467.   689.  1289.    205. 7.8  0. 32.   30.
  2
SB        OFFRAMP L AG   666.  1309.   575.  1390.      0. 12.   1
       120        91         3  205   42.1 1783 1 3
  1
SB        BAYVIEW   AG   680.  1267.   893.  1041.   1400. 7.8  0. 44.   30.
  1
SB        BAYVIEW   AG   893.  1041.   978.   907.   1400. 7.8  0. 44.   30.
  1
SB        BAYVIEW   AG   978.   907.  1014.   809.   1400. 7.8  0. 44.   30.
  1
SB        BAYVIEW   AG  1014.   809.  1096.   305.   1400. 7.8  0. 44.   30.
  1
EB        LOMBARD   AG  -284.  1108.   195.  1135.   1830. 7.8  0. 56.   30.
  1
EB        LOMBARD   AG   195.  1135.   395.  1128.   1830. 7.8  0. 56.   30.
  1
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EB        LOMBARD   AG   395.  1128.   543.  1158.   1830. 7.8  0. 56.   30.
  1
EB        LOMB TR   AG   543.  1158.   709.  1252.   1590. 7.8  0. 56.   30.
  2
EB        LOMB TR   AG   661.  1225.   566.  1171.      0. 36.   3
       120        61         3 1590   42.1 1783 1 3
  1
EB        LOMB L    AG   395.  1128.   489.  1163.    240. 7.8  0. 32.   30.
  1
EB        LOMB L    AG   489.  1163.   683.  1250.    240. 7.8  0. 32.   30.
  2
EB        LOMB L    AG   657.  1238.   592.  1209.      0. 12.   1
       120        93         3  240   42.1 1783 1 3
  1
EB        LOMB D    AG   709.  1252.   833.  1403.    960. 7.8  0. 44.   30.
  1
EB        LOMB D    AG   833.  1403.  1240.  2138.    960. 7.8  0. 44.   30.
  1
WB        LOMB      AG  1218.  2138.   847.  1505.    600. 7.8  0. 44.   30.
  1
WB        LOMB TR   AG   847.  1505.   703.  1289.    405. 7.8  0. 44.   30.
  2
WB        LOMB TR   AG   735.  1337.   800.  1435.      0. 24.   2
       120        70         3  405   42.1 1762 1 3
  1
WB        LOMB L    AG   847.  1505.   833.  1451.    195. 7.8  0. 32.   30.
  1
WB        LOMB L    AG 12833.  1451.   740.  1306.    195. 7.8  0. 32.   30.
  2
WB        LOMB L    AG   751.  1323.   802.  1402.      0. 12.   1
       120       102         3  195   42.1 1783 1 3
  1
WB        LOMB D    AG   703.  1289.   546.  1205.    730. 7.8  0. 44.   30.
  1
WB        LOMB D    AG   546.  1205.   438.  1177.    730. 7.8  0. 44.   30.
  1
WB        LOMB D    AG   438.  1177.  -303.  1137.    730. 7.8  0. 44.   30.
  1
EB        895       BR     3.   552.     4.   959.   2230. 9.0 15. 44.   60.
  1
EB        895       BR     4.   959.    73.  1319.   2230. 9.0 15. 44.   60.
  1
EB        895       BR    73.  1319.   187.  1597.   2230. 9.0 15. 44.   60.
  1
EB        895       AG   187.  1597.   601.  2305.   2230. 9.0  0. 44.   60.
  1
WB        895       AG   536.  2277.   101.  1488.   3285. 9.0  0. 44.   60.
  1
WB        895       BR   101.  1488.    25.  1253.   3285. 9.0 15. 44.   60.
  1
WB        895       BR    25.  1253.   -22.   994.   3285. 9.0 15. 44.   60.
  1
WB        895       BR   -22.   994.   -33.   804.   3285. 9.0 15. 44.   60.
  1
WB        895       AG   -33.   804.   -30.   536.   3285. 9.0  0. 44.   60.
1.0   04  1000   0Y  5  0 72
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JOB: S11 Lom & 895 BDAM RUN: Site 11 BUILD 2035 AM
DATE: 09/07/2012 TIME: 13:18:42.87

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB BAY	*	1129.0	353.0	1038.0	889.0	*	544.	350.	AG	740.	7.8	.0	44.0		
2. NB BAY	*	1038.0	889.0	953.0	1041.0	*	174.	331.	AG	740.	7.8	.0	44.0		
3. NB BAYT	*	953.0	1041.0	726.0	1293.0	*	339.	318.	AG	365.	7.8	.0	44.0		
4. NB BAY T	*	765.0	1250.0	828.1	1179.6	*	95.	138.	AG	179.	100.0	.0	24.0	.54	4.8
5. NB BAYL	*	953.0	1041.0	715.0	1265.0	*	327.	313.	AG	260.	7.8	.0	32.0		
6. NB BAY L	*	749.0	1233.0	2025.9	36.8	*	1750.	133.	AG	80.	100.0	.0	12.0	2.43	88.9
7. NB BAY R	*	930.0	1081.0	746.0	1280.0	*	271.	317.	AG	115.	7.8	.0	32.0		
8. NB BAY R	*	771.0	1253.0	807.7	1213.3	*	54.	137.	AG	81.	100.0	.0	12.0	.27	2.7
9. NB ONRAMP	*	726.0	1293.0	482.0	1533.0	*	342.	315.	AG	641.	7.8	.0	32.0		
10. NB ONRAMP	*	482.0	1533.0	416.0	1664.0	*	147.	333.	AG	641.	7.8	.0	32.0		
11. NB ONRAMP	*	416.0	1664.0	406.0	1817.0	*	153.	356.	AG	641.	7.8	.0	32.0		
12. NB ONRAMP	*	406.0	1817.0	452.0	1991.0	*	180.	15.	AG	641.	7.8	.0	32.0		
13. NB ONRAMP	*	452.0	1991.0	545.0	2180.0	*	211.	26.	AG	641.	7.8	.0	32.0		
14. SB OFFRAMP	*	29.0	1061.0	133.0	1356.0	*	313.	19.	BR	550.	7.8	15.0	32.0		
15. SB OFFRAMP	*	133.0	1356.0	175.0	1422.0	*	78.	32.	AG	550.	7.8	.0	32.0		
16. SB OFFRAMP	*	175.0	1422.0	251.0	1480.0	*	96.	53.	AG	550.	7.8	.0	32.0		
17. SB OFFRAMP	*	251.0	1480.0	338.0	1504.0	*	90.	75.	AG	550.	7.8	.0	32.0		
18. SB OFFRAMP	*	338.0	1504.0	418.0	1498.0	*	80.	94.	AG	550.	7.8	.0	32.0		
19. SB OFFRAMP	*	418.0	1498.0	490.0	1467.0	*	78.	113.	AG	550.	7.8	.0	32.0		
20. SB OFFRAMPTR	*	490.0	1467.0	680.0	1267.0	*	276.	136.	AG	345.	7.8	.0	32.0		
21. SB OFFRAMP TR	*	653.0	1295.0	590.9	1360.5	*	90.	317.	AG	181.	100.0	.0	24.0	.55	4.6
22. SB OFFRAMPL	*	490.0	1467.0	689.0	1289.0	*	267.	132.	AG	205.	7.8	.0	32.0		
23. SB OFFRAMP L	*	666.0	1309.0	589.8	1376.8	*	102.	312.	AG	86.	100.0	.0	12.0	.52	5.2
24. SB BAYVIEW	*	680.0	1267.0	893.0	1041.0	*	311.	137.	AG	1400.	7.8	.0	44.0		
25. SB BAYVIEW	*	893.0	1041.0	978.0	907.0	*	159.	148.	AG	1400.	7.8	.0	44.0		
26. SB BAYVIEW	*	978.0	907.0	1014.0	809.0	*	104.	160.	AG	1400.	7.8	.0	44.0		
27. SB BAYVIEW	*	1014.0	809.0	1096.0	305.0	*	511.	171.	AG	1400.	7.8	.0	44.0		
28. EB LOMBARD	*	-284.0	1108.0	195.0	1135.0	*	480.	87.	AG	1830.	7.8	.0	56.0		
29. EB LOMBARD	*	195.0	1135.0	395.0	1128.0	*	200.	92.	AG	1830.	7.8	.0	56.0		
30. EB LOMBARD	*	395.0	1128.0	543.0	1158.0	*	151.	79.	AG	1830.	7.8	.0	56.0		
31. EB LOMB TR	*	543.0	1158.0	709.0	1252.0	*	191.	60.	AG	1590.	7.8	.0	56.0		
32. EB LOMB TR	*	661.0	1225.0	507.3	1137.6	*	177.	240.	AG	172.	100.0	.0	36.0	.63	9.0
33. EB LOMB L	*	395.0	1128.0	489.0	1163.0	*	100.	70.	AG	240.	7.8	.0	32.0		
34. EB LOMB L	*	489.0	1163.0	683.0	1250.0	*	213.	66.	AG	240.	7.8	.0	32.0		
35. EB LOMB L	*	657.0	1238.0	545.5	1188.3	*	122.	246.	AG	88.	100.0	.0	12.0	.65	6.2
36. EB LOMB D	*	709.0	1252.0	833.0	1403.0	*	195.	39.	AG	960.	7.8	.0	44.0		
37. EB LOMB D	*	833.0	1403.0	1240.0	2138.0	*	840.	29.	AG	960.	7.8	.0	44.0		
38. WB LOMB	*	1218.0	2138.0	847.0	1505.0	*	734.	210.	AG	600.	7.8	.0	44.0		
39. WB LOMB TR	*	847.0	1505.0	703.0	1289.0	*	260.	214.	AG	405.	7.8	.0	44.0		
40. WB LOMB TR	*	735.0	1337.0	777.7	1401.4	*	77.	34.	AG	132.	100.0	.0	24.0	.29	3.9
41. WB LOMB L	*	847.0	1505.0	833.0	1451.0	*	56.	195.	AG	195.	7.8	.0	32.0		
42. WB LOMB L	*	12833.0	1451.0	740.0	1306.0	*	*****	269.	AG	195.	7.8	.0	32.0		
43. WB LOMB L	*	751.0	1323.0	820.4	1430.5	*	128.	33.	AG	96.	100.0	.0	12.0	.84	6.5
44. WB LOMB D	*	703.0	1289.0	546.0	1205.0	*	178.	242.	AG	730.	7.8	.0	44.0		

JOB: S11 Lom & 895 BDAM RUN: Site 11 BUILD 2035 AM
DATE: 09/07/2012 TIME: 13:18:42.87

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. WB LOMB D	*	546.0	1205.0	438.0	1177.0	*	112.	255.	AG	730.	7.8	.0	44.0		
46. WB LOMB D	*	438.0	1177.0	-303.0	1137.0	*	742.	267.	AG	730.	7.8	.0	44.0		
47. EB 895	*	3.0	552.0	4.0	959.0	*	407.	0.	BR	2230.	9.0	15.0	44.0		
48. EB 895	*	4.0	959.0	73.0	1319.0	*	367.	11.	BR	2230.	9.0	15.0	44.0		
49. EB 895	*	73.0	1319.0	187.0	1597.0	*	300.	22.	BR	2230.	9.0	15.0	44.0		
50. EB 895	*	187.0	1597.0	601.0	2305.0	*	820.	30.	AG	2230.	9.0	.0	44.0		
51. WB 895	*	536.0	2277.0	101.0	1488.0	*	901.	209.	AG	3285.	9.0	.0	44.0		
52. WB 895	*	101.0	1488.0	25.0	1253.0	*	247.	198.	BR	3285.	9.0	15.0	44.0		
53. WB 895	*	25.0	1253.0	-22.0	994.0	*	263.	190.	BR	3285.	9.0	15.0	44.0		
54. WB 895	*	-22.0	994.0	-33.0	804.0	*	190.	183.	BR	3285.	9.0	15.0	44.0		
55. WB 895	*	-33.0	804.0	-30.0	536.0	*	268.	179.	AG	3285.	9.0	.0	44.0		

JOB: S11 Lom & 895 BDAM RUN: Site 11 BUILD 2035 AM
DATE: 09/07/2012 TIME: 13:18:42.87

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE

4. NB	BAY T	120	95	.3	365	1783	42.10	1	3
6. NB	BAY L	120	85	.3	260	395	42.10	1	3
8. NB	BAY R	120	86	.3	115	1595	42.10	1	3
21. SB	OFFRAMP TR	120	96	.3	345	1733	42.10	1	3
23. SB	OFFRAMP L	120	91	.3	205	1783	42.10	1	3
32. EB	LOMB TR	120	61	.3	1590	1783	42.10	1	3
35. EB	LOMB L	120	93	.3	240	1783	42.10	1	3
40. WB	LOMB TR	120	70	.3	405	1762	42.10	1	3
43. WB	LOMB L	120	102	.3	195	1783	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID	1035.0	979.0	5.0
2. SE 164	887.0	1169.0	5.0
3. SE 82	825.0	1241.0	5.0
4. SE CORN	796.0	1282.0	5.0
5. SE PATH	939.0	1340.0	5.0
6. SE PATH2	969.0	1448.0	5.0
7. SE PATH3	1076.0	1540.0	5.0
8. NE BUILD	752.0	1712.0	5.0
9. WS MID	264.0	1096.0	5.0
10. WS 164	535.0	1124.0	5.0
11. WS 82	614.0	1157.0	5.0
12. SW CORN	701.0	1193.0	5.0
13. SW 82	764.0	1135.0	5.0
14. SW 164	823.0	1075.0	5.0
15. SW MID	954.0	904.0	5.0

1

JOB: S11 Lom & 895 BDAM RUN: Site 11 BUILD 2035 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
0.	.0	.1	.2	.4	.2	.2	.1	.0	.8	1.3	1.2	.8	.7	.7	.7
5.	.0	.1	.2	.4	.2	.2	.1	.0	.8	1.3	1.2	.6	.8	.8	.7
10.	.0	.1	.1	.3	.1	.2	.1	.0	.7	1.4	1.2	.7	.9	.8	.6
15.	.0	.1	.1	.4	.1	.1	.1	.0	.7	1.3	1.1	.7	.8	.6	.6
20.	.0	.1	.1	.3	.1	.1	.0	.0	.7	1.4	1.1	1.0	.7	.5	.6
25.	.0	.0	.1	.4	.1	.1	.0	.0	.5	1.4	1.0	.9	.7	.4	.6
30.	.0	.0	.1	.2	.0	.0	.0	.0	.5	1.5	1.3	.8	.7	.4	.6
35.	.0	.0	.1	.1	.0	.0	.0	.0	.5	1.6	1.1	.6	.6	.4	.6
40.	.0	.0	.0	.2	.0	.0	.0	.0	.5	1.5	1.0	.6	.6	.4	.6
45.	.0	.0	.0	.1	.0	.0	.0	.0	.5	1.4	.8	.6	.6	.4	.5
50.	.0	.0	.0	.1	.0	.0	.0	.0	.6	1.5	.6	.5	.5	.4	.6
55.	.0	.0	.0	.1	.0	.0	.0	.1	.7	1.1	.7	.5	.5	.4	.6
60.	.0	.0	.0	.1	.0	.0	.0	.1	.7	.9	.5	.6	.5	.4	.5
65.	.0	.0	.0	.1	.0	.0	.0	.1	.8	.9	.3	.6	.5	.4	.6
70.	.0	.0	.0	.1	.0	.0	.0	.1	.8	.7	.3	.6	.4	.4	.6
75.	.0	.0	.0	.1	.0	.0	.0	.1	.7	.5	.3	.6	.4	.4	.5
80.	.0	.0	.0	.1	.0	.0	.0	.1	.7	.3	.3	.6	.4	.4	.6
85.	.0	.0	.0	.1	.0	.0	.0	.1	.5	.2	.3	.6	.5	.5	.6
90.	.0	.0	.0	.1	.1	.0	.0	.1	.4	.1	.3	.6	.5	.5	.6
95.	.0	.0	.0	.0	.1	.0	.0	.1	.3	.2	.2	.5	.5	.5	.6
100.	.0	.0	.0	.0	.1	.0	.0	.1	.2	.2	.2	.6	.5	.6	.6
105.	.0	.0	.0	.0	.1	.0	.0	.1	.1	.1	.2	.6	.5	.6	.7
110.	.1	.0	.0	.0	.1	.0	.0	.1	.0	.1	.2	.6	.5	.6	.6
115.	.1	.0	.0	.0	.1	.0	.0	.1	.0	.1	.2	.5	.6	.6	.6
120.	.2	.0	.0	.0	.1	.0	.0	.1	.0	.1	.2	.5	.6	.7	.7
125.	.3	.1	.1	.0	.0	.0	.0	.1	.0	.0	.1	.4	.5	.6	.7
130.	.3	.1	.1	.1	.0	.0	.0	.1	.0	.0	.1	.5	.5	.6	.7
135.	.4	.1	.1	.1	.0	.0	.0	.1	.0	.0	.0	.4	.4	.5	.7
140.	.4	.2	.1	.1	.0	.0	.0	.1	.0	.0	.0	.2	.4	.4	.7
145.	.4	.3	.2	.3	.1	.0	.0	.1	.0	.0	.0	.1	.3	.3	.7
150.	.4	.5	.4	.4	.1	.0	.0	.1	.0	.0	.0	.2	.2	.3	.6
155.	.5	.6	.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.1	.2	.6
160.	.6	.5	.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.6
165.	.7	.5	.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5
170.	.6	.5	.5	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
175.	.7	.4	.6	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
180.	.7	.4	.6	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
185.	.7	.4	.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	.7	.3	.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	.7	.4	.7	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	.6	.4	.8	.8	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0
205.	.5	.4	.9	.8	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0

1

JOB: S11 Lom & 895 BDAM RUN: Site 11 BUILD 2035 AM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
210.	.6	.4	.9	.8	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0
215.	.6	.4	.9	.7	.2	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0
220.	.6	.4	.9	.8	.2	.1	.0	.0	.3	.0	.0	.0	.0	.0	.0
225.	.6	.4	.9	.8	.2	.1	.0	.0	.3	.2	.0	.0	.0	.0	.0
230.	.5	.4	.9	.6	.2	.2	.0	.0	.3	.2	.2	.0	.0	.0	.0
235.	.5	.4	.9	.7	.4	.3	.0	.0	.3	.3	.5	.3	.0	.0	.0
240.	.6	.4	1.1	.9	.4	.2	.0	.1	.3	.4	.4	.4	.0	.0	.0
245.	.6	.4	1.1	.9	.4	.2	.1	.3	.4	.3	.5	.4	.0	.0	.0
250.	.6	.4	1.2	.9	.4	.3	.1	.3	.4	.5	.8	.5	.0	.0	.0
255.	.6	.4	1.3	1.0	.3	.3	.1	.1	.4	.9	1.1	.9	.0	.0	.0
260.	.6	.6	1.4	1.0	.2	.1	.1	.2	.5	.8	1.3	1.2	.2	.0	.0
265.	.6	.7	1.2	.8	.1	.1	.1	.2	.6	1.1	1.4	1.4	.6	.0	.0
270.	.6	.7	.9	.8	.1	.1	.2	.2	.8	1.1	1.5	1.4	.7	.2	.0
275.	.7	.8	1.1	.7	.3	.2	.2	.2	.8	1.3	1.6	1.4	.7	.4	.0
280.	.7	.8	1.0	.6	.3	.2	.2	.2	1.1	1.2	1.6	1.0	.4	.2	.0
285.	.8	.8	1.0	.5	.4	.2	.3	.2	.9	1.3	1.2	.9	.5	.3	.0
290.	.7	.7	.8	.5	.3	.3	.3	.2	1.0	1.2	1.1	1.0	.4	.3	.0
295.	.7	.8	.6	.5	.3	.3	.3	.2	.9	1.2	1.3	1.1	.4	.3	.1
300.	.7	.8	.6	.5	.2	.3	.3	.2	.9	1.2	1.2	.9	.4	.3	.1
305.	.8	.6	.4	.6	.3	.3	.3	.2	1.0	1.2	1.2	.8	.5	.4	.1
310.	.8	.5	.4	.8	.3	.3	.3	.2	.9	1.3	1.1	.9	.5	.5	.3
315.	.7	.4	.5	.8	.3	.3	.3	.2	1.0	1.2	1.0	.9	.7	.6	.4
320.	.5	.4	.5	.7	.3	.3	.3	.2	1.0	1.2	1.1	.9	.8	.6	.5
325.	.4	.4	.5	.7	.3	.4	.1	.2	.9	1.1	1.2	1.0	.7	.7	.5
330.	.2	.3	.5	.7	.3	.4	.1	.2	.9	1.2	1.2	1.0	.9	.7	.8
335.	.2	.3	.5	.7	.2	.2	.1	.2	.8	1.2	1.2	1.2	.9	.9	.7
340.	.0	.1	.5	.7	.1	.2	.1	.2	.8	1.2	1.2	1.0	.8	1.0	.8
345.	.0	.0	.4	.7	.1	.2	.1	.1	.8	1.2	1.2	1.0	.7	.8	.7
350.	.0	.0	.2	.5	.1	.2	.1	.0	.9	1.3	1.2	1.1	.8	.7	.7
355.	.0	.1	.2	.5	.2	.2	.1	.0	.9	1.3	1.2	.8	.7	.7	.7
360.	.0	.1	.2	.4	.2	.2	.1	.0	.8	1.3	1.2	.8	.7	.7	.7
MAX	.8	.8	1.4	1.0	.4	.4	.3	.3	1.1	1.6	1.6	1.4	.9	1.0	.8
DEGR.	285	275	260	255	235	325	285	245	280	35	275	265	10	340	330

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 275 DEGREES FROM REC11.
THE 2ND HIGHEST CONCENTRATION IS 1.60 PPM AT 35 DEGREES FROM REC10.
THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 260 DEGREES FROM REC3 .

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S11 Lom & 895 BDPM                      60.0321.0.0000.000150.30480000    1    1
SE MID                    1035.      979.        5.
SE 164                     887.     1169.        5.
SE 82                      825.     1241.        5.
SE CORN                    796.     1282.        5.
SE PATH                    939.     1340.        5.
SE PATH2                   969.     1448.        5.
SE PATH3                  1076.     1540.        5.
NE BUILD                   752.     1712.        5.
WS MID                     264.     1096.        5.
WS 164                     535.     1124.        5.
WS 82                      614.     1157.        5.
SW CORN                    701.     1193.        5.
SW 82                      764.     1135.        5.
SW 164                     823.     1075.        5.
SW MID                     954.      904.        5.
Site 11 BUILD 2035 PM                    55  1   0
  1
NB        BAY       AG  1129.   353.  1038.   889.   1325. 7.8  0. 44.   30.
  1
NB        BAY       AG  1038.   889.   953.  1041.   1325. 7.8  0. 44.   30.
  1
NB        BAYT      AG   953.  1041.   726.  1293.    580. 7.8  0. 44.   30.
  2
NB        BAY T     AG   765.  1250.   885.  1116.      0. 24.   2
       120        93         3  580   42.1 1783 1 3
  1
NB        BAYL      AG   953.  1041.   715.  1265.    425. 7.8  0. 32.   30.
  2
NB        BAY L     AG   749.  1233.   844.  1144.      0. 12.   1
       120        73         3  425   42.1  900 1 3
  1
NB        BAY R     AG   930.  1081.   746.  1280.    320. 7.8  0. 32.   30.
  2
NB        BAY R     AG   771.  1253.   891.  1123.      0. 12.   1
       120        86         3  320   42.1 1595 1 3
  1
NB        ONRAMP    AG   726.  1293.   482.  1533.   1105. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   482.  1533.   416.  1664.   1105. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   416.  1664.   406.  1817.   1105. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   406.  1817.   452.  1991.   1105. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   452.  1991.   545.  2180.   1105. 7.8  0. 32.   30.
  1
SB        OFFRAMP   BR    29.  1061.   133.  1356.    375. 7.8 15. 32.   30.
  1
SB        OFFRAMP   AG   133.  1356.   175.  1422.    375. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   175.  1422.   251.  1480.    375. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   251.  1480.   338.  1504.    375. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   338.  1504.   418.  1498.    375. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   418.  1498.   490.  1467.    375. 7.8  0. 32.   30.
  1
SB        OFFRAMPTR AG   490.  1467.   680.  1267.     90. 7.8  0. 32.   30.
  2
SB        OFFRAMP TRAG   653.  1295.   544.  1410.      0. 24.   2
       120        95         3   90   42.1 1626 1 3
  1
SB        OFFRAMPL  AG   490.  1467.   689.  1289.    285. 7.8  0. 32.   30.
  2
SB        OFFRAMP L AG   666.  1309.   575.  1390.      0. 12.   1
       120        97         3  285   42.1 1783 1 3
  1
SB        BAYVIEW   AG   680.  1267.   893.  1041.    515. 7.8  0. 44.   30.
  1
SB        BAYVIEW   AG   893.  1041.   978.   907.    515. 7.8  0. 44.   30.
  1
SB        BAYVIEW   AG   978.   907.  1014.   809.    515. 7.8  0. 44.   30.
  1
SB        BAYVIEW   AG  1014.   809.  1096.   305.    515. 7.8  0. 44.   30.
  1
EB        LOMBARD   AG  -284.  1108.   195.  1135.   2495. 7.8  0. 56.   30.
  1
EB        LOMBARD   AG   195.  1135.   395.  1128.   2495. 7.8  0. 56.   30.
  1
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EB        LOMBARD   AG   395.  1128.   543.  1158.   2495. 7.8  0. 56.   30.
  1
EB        LOMB TR   AG   543.  1158.   709.  1252.   2100. 7.8  0. 56.   30.
  2
EB        LOMB TR   AG   661.  1225.   566.  1171.      0. 36.   3
       120        62         3 2100   42.1 1720 1 3
  1
EB        LOMB L    AG   395.  1128.   489.  1163.    395. 7.8  0. 32.   30.
  1
EB        LOMB L    AG   489.  1163.   683.  1250.    395. 7.8  0. 32.   30.
  2
EB        LOMB L    AG   657.  1238.   592.  1209.      0. 12.   1
       120        86         3  395   42.1 1783 1 3
  1
EB        LOMB D    AG   709.  1252.   833.  1403.   2205. 7.8  0. 44.   30.
  1
EB        LOMB D    AG   833.  1403.  1240.  2138.   2205. 7.8  0. 44.   30.
  1
WB        LOMB      AG  1218.  2138.   847.  1505.    715. 7.8  0. 44.   30.
  1
WB        LOMB TR   AG   847.  1505.   703.  1289.    660. 7.8  0. 44.   30.
  2
WB        LOMB TR   AG   735.  1337.   800.  1435.      0. 24.   2
       120        84         3  660   42.1 1739 1 3
  1
WB        LOMB L    AG   847.  1505.   833.  1451.     55. 7.8  0. 32.   30.
  1
WB        LOMB L    AG 12833.  1451.   740.  1306.     55. 7.8  0. 32.   30.
  2
WB        LOMB L    AG   751.  1323.   802.  1402.      0. 12.   1
       120       108         3   55   42.1 1783 1 3
  1
WB        LOMB D    AG   703.  1289.   546.  1205.   1215. 7.8  0. 44.   30.
  1
WB        LOMB D    AG   546.  1205.   438.  1177.   1215. 7.8  0. 44.   30.
  1
WB        LOMB D    AG   438.  1177.  -303.  1137.   1215. 7.8  0. 44.   30.
  1
EB        895       BR     3.   552.     4.   959.   3460. 9.0 15. 44.   60.
  1
EB        895       BR     4.   959.    73.  1319.   3460. 9.0 15. 44.   60.
  1
EB        895       BR    73.  1319.   187.  1597.   3460. 9.0 15. 44.   60.
  1
EB        895       AG   187.  1597.   601.  2305.   3460. 9.0  0. 44.   60.
  1
WB        895       AG   536.  2277.   101.  1488.   2800. 9.0  0. 44.   60.
  1
WB        895       BR   101.  1488.    25.  1253.   2800. 9.0 15. 44.   60.
  1
WB        895       BR    25.  1253.   -22.   994.   2800. 9.0 15. 44.   60.
  1
WB        895       BR   -22.   994.   -33.   804.   2800. 9.0 15. 44.   60.
  1
WB        895       AG   -33.   804.   -30.   536.   2800. 9.0  0. 44.   60.
1.0   04  1000   0Y  5  0 72
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JOB: S11 Lom & 895 BDPM RUN: Site 11 BUILD 2035 PM
DATE: 09/07/2012 TIME: 13:19:09.51

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	BAY	*	1129.0	353.0	1038.0	889.0	*	544.	350.	AG	1325.	7.8	.0	44.0		
2. NB	BAY	*	1038.0	889.0	953.0	1041.0	*	174.	331.	AG	1325.	7.8	.0	44.0		
3. NB	BAYT	*	953.0	1041.0	726.0	1293.0	*	339.	318.	AG	580.	7.8	.0	44.0		
4. NB	BAY T	*	765.0	1250.0	870.4	1132.3	*	158.	138.	AG	175.	100.0	.0	24.0	.79	8.0
5. NB	BAYL	*	953.0	1041.0	715.0	1265.0	*	327.	313.	AG	425.	7.8	.0	32.0		
6. NB	BAY L	*	749.0	1233.0	1601.9	434.0	*	1169.	133.	AG	69.	100.0	.0	12.0	1.27	59.4
7. NB	BAY R	*	930.0	1081.0	746.0	1280.0	*	271.	317.	AG	320.	7.8	.0	32.0		
8. NB	BAY R	*	771.0	1253.0	876.4	1138.8	*	155.	137.	AG	81.	100.0	.0	12.0	.76	7.9
9. NB	ONRAMP	*	726.0	1293.0	482.0	1533.0	*	342.	315.	AG	1105.	7.8	.0	32.0		
10. NB	ONRAMP	*	482.0	1533.0	416.0	1664.0	*	147.	333.	AG	1105.	7.8	.0	32.0		
11. NB	ONRAMP	*	416.0	1664.0	406.0	1817.0	*	153.	356.	AG	1105.	7.8	.0	32.0		
12. NB	ONRAMP	*	406.0	1817.0	452.0	1991.0	*	180.	15.	AG	1105.	7.8	.0	32.0		
13. NB	ONRAMP	*	452.0	1991.0	545.0	2180.0	*	211.	26.	AG	1105.	7.8	.0	32.0		
14. SB	OFFRAMP	*	29.0	1061.0	133.0	1356.0	*	313.	19.	BR	375.	7.8	15.0	32.0		
15. SB	OFFRAMP	*	133.0	1356.0	175.0	1422.0	*	78.	32.	AG	375.	7.8	.0	32.0		
16. SB	OFFRAMP	*	175.0	1422.0	251.0	1480.0	*	96.	53.	AG	375.	7.8	.0	32.0		
17. SB	OFFRAMP	*	251.0	1480.0	338.0	1504.0	*	90.	75.	AG	375.	7.8	.0	32.0		
18. SB	OFFRAMP	*	338.0	1504.0	418.0	1498.0	*	80.	94.	AG	375.	7.8	.0	32.0		
19. SB	OFFRAMP	*	418.0	1498.0	490.0	1467.0	*	78.	113.	AG	375.	7.8	.0	32.0		
20. SB	OFFRAMPTR	*	490.0	1467.0	680.0	1267.0	*	276.	136.	AG	90.	7.8	.0	32.0		
21. SB	OFFRAMP TR	*	653.0	1295.0	636.9	1312.0	*	23.	317.	AG	179.	100.0	.0	24.0	.15	1.2
22. SB	OFFRAMPL	*	490.0	1467.0	689.0	1289.0	*	267.	132.	AG	285.	7.8	.0	32.0		
23. SB	OFFRAMP L	*	666.0	1309.0	518.7	1440.1	*	197.	312.	AG	91.	100.0	.0	12.0	.93	10.0
24. SB	BAYVIEW	*	680.0	1267.0	893.0	1041.0	*	311.	137.	AG	515.	7.8	.0	44.0		
25. SB	BAYVIEW	*	893.0	1041.0	978.0	907.0	*	159.	148.	AG	515.	7.8	.0	44.0		
26. SB	BAYVIEW	*	978.0	907.0	1014.0	809.0	*	104.	160.	AG	515.	7.8	.0	44.0		
27. SB	BAYVIEW	*	1014.0	809.0	1096.0	305.0	*	511.	171.	AG	515.	7.8	.0	44.0		
28. EB	LOMBARD	*	-284.0	1108.0	195.0	1135.0	*	480.	87.	AG	2495.	7.8	.0	56.0		
29. EB	LOMBARD	*	195.0	1135.0	395.0	1128.0	*	200.	92.	AG	2495.	7.8	.0	56.0		
30. EB	LOMBARD	*	395.0	1128.0	543.0	1158.0	*	151.	79.	AG	2495.	7.8	.0	56.0		
31. EB	LOMB TR	*	543.0	1158.0	709.0	1252.0	*	191.	60.	AG	2100.	7.8	.0	56.0		
32. EB	LOMB TR	*	661.0	1225.0	433.1	1095.4	*	262.	240.	AG	175.	100.0	.0	36.0	.88	13.3
33. EB	LOMB L	*	395.0	1128.0	489.0	1163.0	*	100.	70.	AG	395.	7.8	.0	32.0		
34. EB	LOMB L	*	489.0	1163.0	683.0	1250.0	*	213.	66.	AG	395.	7.8	.0	32.0		
35. EB	LOMB L	*	657.0	1238.0	470.9	1155.0	*	204.	246.	AG	81.	100.0	.0	12.0	.84	10.4
36. EB	LOMB D	*	709.0	1252.0	833.0	1403.0	*	195.	39.	AG	2205.	7.8	.0	44.0		
37. EB	LOMB D	*	833.0	1403.0	1240.0	2138.0	*	840.	29.	AG	2205.	7.8	.0	44.0		
38. WB	LOMB	*	1218.0	2138.0	847.0	1505.0	*	734.	210.	AG	715.	7.8	.0	44.0		
39. WB	LOMB TR	*	847.0	1505.0	703.0	1289.0	*	260.	214.	AG	660.	7.8	.0	44.0		
40. WB	LOMB TR	*	735.0	1337.0	818.8	1463.3	*	152.	34.	AG	158.	100.0	.0	24.0	.68	7.7
41. WB	LOMB L	*	847.0	1505.0	833.0	1451.0	*	56.	195.	AG	55.	7.8	.0	32.0		
42. WB	LOMB L	*	12833.0	1451.0	740.0	1306.0	*	*****	269.	AG	55.	7.8	.0	32.0		
43. WB	LOMB L	*	751.0	1323.0	768.6	1350.3	*	32.	33.	AG	102.	100.0	.0	12.0	.38	1.6
44. WB	LOMB D	*	703.0	1289.0	546.0	1205.0	*	178.	242.	AG	1215.	7.8	.0	44.0		

JOB: S11 Lom & 895 BDPM RUN: Site 11 BUILD 2035 PM
DATE: 09/07/2012 TIME: 13:19:09.51

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. WB	LOMB D	*	546.0	1205.0	438.0	1177.0	*	112.	255.	AG	1215.	7.8	.0	44.0		
46. WB	LOMB D	*	438.0	1177.0	-303.0	1137.0	*	742.	267.	AG	1215.	7.8	.0	44.0		
47. EB	895	*	3.0	552.0	4.0	959.0	*	407.	0.	BR	3460.	9.0	15.0	44.0		
48. EB	895	*	4.0	959.0	73.0	1319.0	*	367.	11.	BR	3460.	9.0	15.0	44.0		
49. EB	895	*	73.0	1319.0	187.0	1597.0	*	300.	22.	BR	3460.	9.0	15.0	44.0		
50. EB	895	*	187.0	1597.0	601.0	2305.0	*	820.	30.	AG	3460.	9.0	.0	44.0		
51. WB	895	*	536.0	2277.0	101.0	1488.0	*	901.	209.	AG	2800.	9.0	.0	44.0		
52. WB	895	*	101.0	1488.0	25.0	1253.0	*	247.	198.	BR	2800.	9.0	15.0	44.0		
53. WB	895	*	25.0	1253.0	-22.0	994.0	*	263.	190.	BR	2800.	9.0	15.0	44.0		
54. WB	895	*	-22.0	994.0	-33.0	804.0	*	190.	183.	BR	2800.	9.0	15.0	44.0		
55. WB	895	*	-33.0	804.0	-30.0	536.0	*	268.	179.	AG	2800.	9.0	.0	44.0		

JOB: S11 Lom & 895 BDPM RUN: Site 11 BUILD 2035 PM
DATE: 09/07/2012 TIME: 13:19:09.51

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE

4. NB	BAY T	120	93	.3	580	1783	42.10	1	3
6. NB	BAY L	120	73	.3	425	900	42.10	1	3
8. NB	BAY R	120	86	.3	320	1595	42.10	1	3
21. SB	OFFRAMP TR	120	95	.3	90	1626	42.10	1	3
23. SB	OFFRAMP L	120	97	.3	285	1783	42.10	1	3
32. EB	LOMB TR	120	62	.3	2100	1720	42.10	1	3
35. EB	LOMB L	120	86	.3	395	1783	42.10	1	3
40. WB	LOMB TR	120	84	.3	660	1739	42.10	1	3
43. WB	LOMB L	120	108	.3	55	1783	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID	1035.0	979.0	5.0
2. SE 164	887.0	1169.0	5.0
3. SE 82	825.0	1241.0	5.0
4. SE CORN	796.0	1282.0	5.0
5. SE PATH	939.0	1340.0	5.0
6. SE PATH2	969.0	1448.0	5.0
7. SE PATH3	1076.0	1540.0	5.0
8. NE BUILD	752.0	1712.0	5.0
9. WS MID	264.0	1096.0	5.0
10. WS 164	535.0	1124.0	5.0
11. WS 82	614.0	1157.0	5.0
12. SW CORN	701.0	1193.0	5.0
13. SW 82	764.0	1135.0	5.0
14. SW 164	823.0	1075.0	5.0
15. SW MID	954.0	904.0	5.0

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JOB: S11 Lom & 895 BDPM RUN: Site 11 BUILD 2035 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
0.	.1	.2	.5	.8	.3	.4	.3	.0	1.3	1.8	1.7	1.0	1.0	1.0	.5
5.	.1	.2	.4	.8	.3	.4	.2	.0	1.1	1.8	1.6	.9	1.0	.9	.5
10.	.1	.2	.5	.7	.3	.4	.2	.0	1.1	1.7	1.5	1.1	1.1	.8	.6
15.	.0	.2	.5	.8	.3	.4	.1	.0	.9	1.7	1.5	1.0	1.1	.9	.6
20.	.0	.1	.4	.7	.2	.2	.1	.0	.9	1.7	1.6	1.0	1.0	.8	.4
25.	.0	.1	.2	.6	.1	.2	.1	.0	.8	1.8	1.5	1.1	1.0	.8	.4
30.	.0	.1	.2	.5	.1	.1	.0	.0	.8	1.9	1.6	1.1	.8	.8	.4
35.	.0	.0	.1	.4	.0	.1	.0	.0	.8	2.0	1.5	1.0	.8	.6	.4
40.	.0	.0	.1	.3	.0	.0	.0	.0	.9	2.0	1.5	1.0	.8	.5	.4
45.	.0	.0	.0	.1	.0	.0	.0	.1	.9	1.8	1.2	.7	.7	.5	.4
50.	.0	.0	.0	.1	.0	.0	.0	.1	.9	1.6	.8	.6	.7	.5	.4
55.	.0	.0	.0	.0	.0	.0	.0	.1	1.0	1.4	.7	.6	.7	.4	.4
60.	.0	.0	.0	.0	.0	.0	.0	.2	1.1	1.0	.6	.7	.7	.4	.4
65.	.0	.0	.0	.0	.0	.0	.0	.2	1.2	1.0	.4	.7	.7	.4	.4
70.	.0	.0	.0	.0	.0	.0	.0	.2	1.2	.7	.2	.7	.7	.4	.4
75.	.0	.0	.0	.0	.0	.0	.0	.2	1.1	.4	.2	.7	.7	.4	.4
80.	.0	.0	.0	.0	.0	.0	.0	.2	1.0	.3	.2	.7	.7	.4	.5
85.	.0	.0	.0	.0	.0	.0	.0	.2	.9	.2	.3	.7	.6	.4	.5
90.	.0	.0	.0	.0	.0	.0	.0	.2	.5	.1	.3	.7	.5	.4	.4
95.	.0	.0	.0	.0	.0	.0	.0	.2	.4	.0	.2	.7	.5	.3	.5
100.	.0	.0	.0	.0	.0	.0	.0	.2	.4	.0	.2	.7	.5	.4	.5
105.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.7	.5	.3	.4
110.	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.5	.4	.3	.4
115.	.1	.0	.0	.0	.0	.0	.0	.2	.0	.0	.1	.5	.4	.3	.4
120.	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0	.1	.4	.3	.4	.3
125.	.2	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.3	.4	.4
130.	.3	.1	.1	.1	.0	.0	.0	.1	.0	.0	.0	.2	.3	.4	.3
135.	.3	.2	.3	.2	.0	.0	.0	.1	.0	.0	.0	.2	.4	.5	.3
140.	.4	.3	.4	.4	.0	.0	.0	.1	.0	.0	.0	.2	.2	.3	.3
145.	.4	.3	.6	.5	.0	.0	.0	.1	.0	.0	.0	.1	.1	.1	.3
150.	.5	.5	.8	.6	.0	.0	.0	.1	.0	.0	.0	.0	.1	.1	.4
155.	.4	.6	.9	.9	.0	.0	.0	.1	.0	.0	.0	.0	.1	.1	.4
160.	.6	.6	.9	.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.4
165.	.6	.6	.8	.9	.1	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3
170.	.6	.6	1.1	1.0	.1	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3
175.	.8	.4	1.1	1.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1
180.	.8	.4	1.1	1.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
185.	.8	.5	1.1	1.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
190.	.5	.7	1.1	.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
195.	.6	.7	1.1	.9	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
200.	.6	.8	1.0	.9	.1	.1	.0	.1	.2	.0	.0	.0	.0	.0	.0
205.	.5	.8	1.0	.9	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0

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JOB: S11 Lom & 895 BDPM RUN: Site 11 BUILD 2035 PM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
210.	.5	.8	1.0	.9	.1	.1	.0	.0	.3	.0	.0	.0	.0	.0	.0
215.	.5	.9	1.0	.8	.1	.1	.0	.0	.3	.0	.0	.0	.0	.0	.0
220.	.5	.9	1.0	.8	.1	.2	.0	.1	.4	.2	.0	.0	.0	.0	.0
225.	.5	.9	1.0	.9	.1	.4	.1	.1	.4	.4	.1	.0	.0	.0	.0
230.	.5	.9	1.1	1.0	.1	.3	.2	.2	.4	.4	.4	.2	.0	.0	.0
235.	.6	1.1	1.3	1.1	.4	.5	.2	.3	.4	.5	.4	.4	.1	.0	.0
240.	.6	1.2	1.3	1.4	.5	.6	.3	.2	.3	.5	.5	.5	.1	.1	.0
245.	.6	1.2	1.4	1.5	.4	.7	.3	.1	.4	.9	.9	.6	.1	.1	.0
250.	.6	1.2	1.5	1.6	.5	.6	.5	.2	.6	1.0	1.2	.9	.1	.1	.0
255.	.7	1.2	1.9	1.5	.8	.6	.2	.3	.5	1.2	1.4	1.4	.3	.1	.1
260.	.8	1.6	2.0	1.3	.7	.6	.2	.3	.6	1.7	1.6	1.7	.5	.1	.1
265.	.7	1.8	1.9	1.2	.5	.7	.3	.2	.8	1.7	1.9	1.7	.7	.2	.1
270.	.7	1.7	1.6	.9	.5	.5	.3	.2	1.0	1.9	1.9	1.8	.9	.6	.1
275.	.8	1.7	1.1	.9	.5	.5	.4	.2	1.2	2.0	1.9	1.7	.8	.6	.0
280.	.8	1.4	1.1	1.0	.5	.5	.4	.3	1.4	2.0	1.9	1.7	.8	.7	.2
285.	.9	1.5	1.1	1.0	.6	.4	.4	.3	1.4	2.2	1.9	1.3	.9	.5	.2
290.	.7	1.6	1.0	1.0	.6	.4	.5	.3	1.3	2.0	1.8	1.2	.8	.4	.1
295.	.8	1.4	1.0	1.0	.5	.4	.5	.3	1.2	2.0	1.6	1.1	.7	.4	.1
300.	.9	1.2	.8	1.0	.5	.4	.5	.3	1.4	1.8	1.6	1.1	.5	.3	.1
305.	.8	1.0	.7	1.1	.5	.4	.5	.3	1.3	1.7	1.5	1.1	.6	.6	.1
310.	1.0	.9	.8	1.1	.5	.5	.5	.3	1.4	1.7	1.4	1.2	.6	.6	.3
315.	1.0	.7	.7	1.0	.5	.5	.5	.3	1.2	1.5	1.5	1.0	.7	.6	.3
320.	.8	.8	.7	1.0	.4	.5	.4	.3	1.1	1.6	1.4	1.1	.8	.6	.4
325.	.7	.5	.7	1.1	.4	.5	.4	.3	1.1	1.7	1.4	1.0	.8	.6	.4
330.	.4	.4	.6	1.0	.4	.5	.3	.2	1.1	1.7	1.5	1.0	.7	.8	.6
335.	.2	.4	.6	1.0	.3	.5	.3	.2	1.1	1.7	1.5	1.0	.7	.9	.8
340.	.2	.5	.6	1.0	.3	.4	.3	.2	1.1	1.7	1.5	1.0	.6	.9	.7
345.	.1	.4	.5	.9	.2	.4	.3	.1	1.2	1.7	1.6	1.1	.7	1.1	.8
350.	.1	.2	.6	.8	.3	.4	.3	.1	1.0	1.7	1.6	.9	.9	1.1	.6
355.	.1	.1	.5	.8	.3	.4	.3	.0	1.2	1.6	1.7	.8	1.0	1.1	.5
360.	.1	.2	.5	.8	.3	.4	.3	.0	1.3	1.8	1.7	1.0	1.0	1.0	.5
MAX	1.0	1.8	2.0	1.6	.8	.7	.5	.3	1.4	2.2	1.9	1.8	1.1	1.1	.8
DEGR.	315	265	260	250	255	245	250	165	280	285	265	270	15	345	335

THE HIGHEST CONCENTRATION IS 2.20 PPM AT 285 DEGREES FROM REC10.
THE 2ND HIGHEST CONCENTRATION IS 2.00 PPM AT 260 DEGREES FROM REC3 .
THE 3RD HIGHEST CONCENTRATION IS 1.90 PPM AT 265 DEGREES FROM REC11.

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S11 Lom & 895 EXAM                      60.0321.0.0000.000150.30480000    1    1
SE MID                    1035.      979.        5.
SE 164                     878.     1161.        5.
SE 82                      816.     1232.        5.
SE CORN                    786.     1282.        5.
SE PATH                    939.     1340.        5.
SE PATH2                   969.     1448.        5.
SE PATH3                  1076.     1540.        5.
NE BUILD                   752.     1712.        5.
WS MID                     264.     1096.        5.
WS 164                     535.     1124.        5.
WS 82                      614.     1157.        5.
SW CORN                    701.     1193.        5.
SW 82                      764.     1135.        5.
SW 164                     823.     1075.        5.
SW MID                     954.      904.        5.
Site 11 Existing AM                       53  1   0
  1
NB        BAY       AG  1129.   353.  1038.   889.    255.10.0  0. 44.   30.
  1
NB        BAY       AG  1038.   889.   953.  1041.    255.10.0  0. 44.   30.
  1
NB        BAYTR     AG   953.  1041.   726.  1293.    135.10.0  0. 44.   30.
  2
NB        BAY TR    AG   765.  1250.   885.  1116.      0. 24.   2
        90        70         3  135   56.4 1723 1 3
  1
NB        BAYL      AG   953.  1041.   715.  1265.    120.10.0  0. 32.   30.
  2
NB        BAY L     AG   749.  1233.   844.  1144.      0. 12.   1
        90        70         3  120   56.4 1783 1 3
  1
NB        ONRAMP    AG   726.  1293.   482.  1533.     95.10.0  0. 32.   30.
  1
NB        ONRAMP    AG   482.  1533.   416.  1664.     95.10.0  0. 32.   30.
  1
NB        ONRAMP    AG   416.  1664.   406.  1817.     95.10.0  0. 32.   30.
  1
NB        ONRAMP    AG   406.  1817.   452.  1991.     95.10.0  0. 32.   30.
  1
NB        ONRAMP    AG   452.  1991.   545.  2180.     95.10.0  0. 32.   30.
  1
SB        OFFRAMP   BR    29.  1061.   133.  1356.    260.10.0 15. 32.   30.
  1
SB        OFFRAMP   AG   133.  1356.   175.  1422.    260.10.0  0. 32.   30.
  1
SB        OFFRAMP   AG   175.  1422.   251.  1480.    260.10.0  0. 32.   30.
  1
SB        OFFRAMP   AG   251.  1480.   338.  1504.    260.10.0  0. 32.   30.
  1
SB        OFFRAMP   AG   338.  1504.   418.  1498.    260.10.0  0. 32.   30.
  1
SB        OFFRAMP   AG   418.  1498.   490.  1467.    260.10.0  0. 32.   30.
  1
SB        OFFRAMPTR AG   490.  1467.   680.  1267.    200.10.0  0. 32.   30.
  2
SB        OFFRAMP TRAG   653.  1295.   544.  1410.      0. 24.   2
        90        60         3  200   56.4 1697 1 3
  1
SB        OFFRAMPL  AG   490.  1467.   689.  1289.     60.10.0  0. 32.   30.
  2
SB        OFFRAMP L AG   666.  1309.   575.  1390.      0. 12.   1
        90        60         3   60   56.4 1783 1 3
  1
SB        BAYVIEW   AG   680.  1267.   893.  1041.    800.10.0  0. 44.   30.
  1
SB        BAYVIEW   AG   893.  1041.   978.   907.    800.10.0  0. 44.   30.
  1
SB        BAYVIEW   AG   978.   907.  1014.   809.    800.10.0  0. 44.   30.
  1
SB        BAYVIEW   AG  1014.   809.  1096.   305.    800.10.0  0. 44.   30.
  1
EB        LOMBARD   AG  -284.  1108.   195.  1135.   1035.10.0  0. 56.   30.
  1
EB        LOMBARD   AG   195.  1135.   395.  1128.   1035.10.0  0. 56.   30.
  1
EB        LOMBARD   AG   395.  1128.   543.  1158.   1035.10.0  0. 56.   30.
  1
EB        LOMB TR   AG   543.  1158.   709.  1252.    850.10.0  0. 56.   30.
  2
EB        LOMB TR   AG   661.  1225.   566.  1171.      0. 36.   3
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        90        60         3  850   56.4 1720 1 3
  1
EB        LOMB L    AG   395.  1128.   489.  1163.    185.10.0  0. 32.   30.
  1
EB        LOMB L    AG   489.  1163.   683.  1250.    185.10.0  0. 32.   30.
  2
EB        LOMB L    AG   657.  1238.   592.  1209.      0. 12.   1
        90        50         3  185   56.4  964 1 3
  1
EB        LOMB D    AG   709.  1252.   833.  1403.    360.10.0  0. 44.   30.
  1
EB        LOMB D    AG   833.  1403.  1240.  2138.    360.10.0  0. 44.   30.
  1
WB        LOMB      AG  1218.  2138.   847.  1505.    380.10.0  0. 44.   30.
  1
WB        LOMB TR   AG   847.  1505.   703.  1289.    275.10.0  0. 44.   30.
  2
WB        LOMB TR   AG   735.  1337.   800.  1435.      0. 24.   2
        90        60         3  275   56.4 1761 1 3
  1
WB        LOMB L    AG   847.  1505.   833.  1451.    105.10.0  0. 32.   30.
  1
WB        LOMB L    AG   833.  1451.   740.  1306.    105.10.0  0. 32.   30.
  2
WB        LOMB L    AG   751.  1323.   802.  1402.      0. 12.   1
        90        55         3  105   56.4 1048 1 3
  1
WB        LOMB D    AG   703.  1289.   546.  1205.    465.10.0  0. 44.   30.
  1
WB        LOMB D    AG   546.  1205.   438.  1177.    465.10.0  0. 44.   30.
  1
WB        LOMB D    AG   438.  1177.  -303.  1137.    465.10.0  0. 44.   30.
  1
EB        895       BR     3.   552.     4.   959.   2325.11.6 15. 44.   60.
  1
EB        895       BR     4.   959.    73.  1319.   2325.11.6 15. 44.   60.
  1
EB        895       BR    73.  1319.   187.  1597.   2325.11.6 15. 44.   60.
  1
EB        895       AG   187.  1597.   601.  2305.   2325.11.6  0. 44.   60.
  1
WB        895       AG   536.  2277.   101.  1488.   3135.11.6  0. 44.   60.
  1
WB        895       BR   101.  1488.    25.  1253.   3135.11.6 15. 44.   60.
  1
WB        895       BR    25.  1253.   -22.   994.   3135.11.6 15. 44.   60.
  1
WB        895       BR   -22.   994.   -33.   804.   3135.11.6 15. 44.   60.
  1
WB        895       AG   -33.   804.   -30.   536.   3135.11.6  0. 44.   60.
1.0   04  1000   0Y  5  0 72
```

JOB: S11 Lom & 895 EXAM RUN: Site 11 Existing AM
DATE: 09/07/2012 TIME: 13:02:14.71

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	BAY	*	1129.0	353.0	1038.0	889.0	*	544.	350.	AG	255.	10.0	.0	44.0		
2. NB	BAY	*	1038.0	889.0	953.0	1041.0	*	174.	331.	AG	255.	10.0	.0	44.0		
3. NB	BAYTR	*	953.0	1041.0	726.0	1293.0	*	339.	318.	AG	135.	10.0	.0	44.0		
4. NB	BAY TR	*	765.0	1250.0	782.1	1230.9	*	26.	138.	AG	235.	100.0	.0	24.0	.20	1.3
5. NB	BAYL	*	953.0	1041.0	715.0	1265.0	*	327.	313.	AG	120.	10.0	.0	32.0		
6. NB	BAY L	*	749.0	1233.0	782.5	1201.6	*	46.	133.	AG	118.	100.0	.0	12.0	.34	2.3
7. NB	ONRAMP	*	726.0	1293.0	482.0	1533.0	*	342.	315.	AG	95.	10.0	.0	32.0		
8. NB	ONRAMP	*	482.0	1533.0	416.0	1664.0	*	147.	333.	AG	95.	10.0	.0	32.0		
9. NB	ONRAMP	*	416.0	1664.0	406.0	1817.0	*	153.	356.	AG	95.	10.0	.0	32.0		
10. NB	ONRAMP	*	406.0	1817.0	452.0	1991.0	*	180.	15.	AG	95.	10.0	.0	32.0		
11. NB	ONRAMP	*	452.0	1991.0	545.0	2180.0	*	211.	26.	AG	95.	10.0	.0	32.0		
12. SB	OFFRAMP	*	29.0	1061.0	133.0	1356.0	*	313.	19.	BR	260.	10.0	15.0	32.0		
13. SB	OFFRAMP	*	133.0	1356.0	175.0	1422.0	*	78.	32.	AG	260.	10.0	.0	32.0		
14. SB	OFFRAMP	*	175.0	1422.0	251.0	1480.0	*	96.	53.	AG	260.	10.0	.0	32.0		
15. SB	OFFRAMP	*	251.0	1480.0	338.0	1504.0	*	90.	75.	AG	260.	10.0	.0	32.0		
16. SB	OFFRAMP	*	338.0	1504.0	418.0	1498.0	*	80.	94.	AG	260.	10.0	.0	32.0		
17. SB	OFFRAMP	*	418.0	1498.0	490.0	1467.0	*	78.	113.	AG	260.	10.0	.0	32.0		
18. SB	OFFRAMPTR	*	490.0	1467.0	680.0	1267.0	*	276.	136.	AG	200.	10.0	.0	32.0		
19. SB	OFFRAMP TR	*	653.0	1295.0	630.4	1318.8	*	33.	317.	AG	202.	100.0	.0	24.0	.19	1.7
20. SB	OFFRAMPL	*	490.0	1467.0	689.0	1289.0	*	267.	132.	AG	60.	10.0	.0	32.0		
21. SB	OFFRAMP L	*	666.0	1309.0	651.3	1322.1	*	20.	312.	AG	101.	100.0	.0	12.0	.11	1.0
22. SB	BAYVIEW	*	680.0	1267.0	893.0	1041.0	*	311.	137.	AG	800.	10.0	.0	44.0		
23. SB	BAYVIEW	*	893.0	1041.0	978.0	907.0	*	159.	148.	AG	800.	10.0	.0	44.0		
24. SB	BAYVIEW	*	978.0	907.0	1014.0	809.0	*	104.	160.	AG	800.	10.0	.0	44.0		
25. SB	BAYVIEW	*	1014.0	809.0	1096.0	305.0	*	511.	171.	AG	800.	10.0	.0	44.0		
26. EB	LOMBARD	*	-284.0	1108.0	195.0	1135.0	*	480.	87.	AG	1035.	10.0	.0	56.0		
27. EB	LOMBARD	*	195.0	1135.0	395.0	1128.0	*	200.	92.	AG	1035.	10.0	.0	56.0		
28. EB	LOMBARD	*	395.0	1128.0	543.0	1158.0	*	151.	79.	AG	1035.	10.0	.0	56.0		
29. EB	LOMB TR	*	543.0	1158.0	709.0	1252.0	*	191.	60.	AG	850.	10.0	.0	56.0		
30. EB	LOMB TR	*	661.0	1225.0	580.3	1179.1	*	93.	240.	AG	303.	100.0	.0	36.0	.53	4.7
31. EB	LOMB L	*	395.0	1128.0	489.0	1163.0	*	100.	70.	AG	185.	10.0	.0	32.0		
32. EB	LOMB L	*	489.0	1163.0	683.0	1250.0	*	213.	66.	AG	185.	10.0	.0	32.0		
33. EB	LOMB L	*	657.0	1238.0	610.8	1217.4	*	51.	246.	AG	84.	100.0	.0	12.0	.46	2.6
34. EB	LOMB D	*	709.0	1252.0	833.0	1403.0	*	195.	39.	AG	360.	10.0	.0	44.0		
35. EB	LOMB D	*	833.0	1403.0	1240.0	2138.0	*	840.	29.	AG	360.	10.0	.0	44.0		
36. WB	LOMB	*	1218.0	2138.0	847.0	1505.0	*	734.	210.	AG	380.	10.0	.0	44.0		
37. WB	LOMB TR	*	847.0	1505.0	703.0	1289.0	*	260.	214.	AG	275.	10.0	.0	44.0		
38. WB	LOMB TR	*	735.0	1337.0	759.8	1374.5	*	45.	34.	AG	202.	100.0	.0	24.0	.25	2.3
39. WB	LOMB L	*	847.0	1505.0	833.0	1451.0	*	56.	195.	AG	105.	10.0	.0	32.0		
40. WB	LOMB L	*	833.0	1451.0	740.0	1306.0	*	172.	213.	AG	105.	10.0	.0	32.0		
41. WB	LOMB L	*	751.0	1323.0	768.1	1349.5	*	32.	33.	AG	92.	100.0	.0	12.0	.28	1.6
42. WB	LOMB D	*	703.0	1289.0	546.0	1205.0	*	178.	242.	AG	465.	10.0	.0	44.0		
43. WB	LOMB D	*	546.0	1205.0	438.0	1177.0	*	112.	255.	AG	465.	10.0	.0	44.0		
44. WB	LOMB D	*	438.0	1177.0	-303.0	1137.0	*	742.	267.	AG	465.	10.0	.0	44.0		

JOB: S11 Lom & 895 EXAM RUN: Site 11 Existing AM
DATE: 09/07/2012 TIME: 13:02:14.71

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. EB	895	*	3.0	552.0	4.0	959.0	*	407.	0.	BR	2325.	11.6	15.0	44.0		
46. EB	895	*	4.0	959.0	73.0	1319.0	*	367.	11.	BR	2325.	11.6	15.0	44.0		
47. EB	895	*	73.0	1319.0	187.0	1597.0	*	300.	22.	BR	2325.	11.6	15.0	44.0		
48. EB	895	*	187.0	1597.0	601.0	2305.0	*	820.	30.	AG	2325.	11.6	.0	44.0		
49. WB	895	*	536.0	2277.0	101.0	1488.0	*	901.	209.	AG	3135.	11.6	.0	44.0		
50. WB	895	*	101.0	1488.0	25.0	1253.0	*	247.	198.	BR	3135.	11.6	15.0	44.0		
51. WB	895	*	25.0	1253.0	-22.0	994.0	*	263.	190.	BR	3135.	11.6	15.0	44.0		
52. WB	895	*	-22.0	994.0	-33.0	804.0	*	190.	183.	BR	3135.	11.6	15.0	44.0		
53. WB	895	*	-33.0	804.0	-30.0	536.0	*	268.	179.	AG	3135.	11.6	.0	44.0		

JOB: S11 Lom & 895 EXAM RUN: Site 11 Existing AM
DATE: 09/07/2012 TIME: 13:02:14.71

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. NB	BAY TR	*	90	70	.3	135	1723	56.40	1	3

6.	NB	BAY L	*	90	70	.3	120	1783	56.40	1	3
19.	SB	OFFRAMP TR	*	90	60	.3	200	1697	56.40	1	3
21.	SB	OFFRAMP L	*	90	60	.3	60	1783	56.40	1	3
30.	EB	LOMB TR	*	90	60	.3	850	1720	56.40	1	3
33.	EB	LOMB L	*	90	50	.3	185	964	56.40	1	3
38.	WB	LOMB TR	*	90	60	.3	275	1761	56.40	1	3
41.	WB	LOMB L	*	90	55	.3	105	1048	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID	1035.0	979.0	5.0
2. SE 164	878.0	1161.0	5.0
3. SE 82	816.0	1232.0	5.0
4. SE CORN	786.0	1282.0	5.0
5. SE PATH	939.0	1340.0	5.0
6. SE PATH2	969.0	1448.0	5.0
7. SE PATH3	1076.0	1540.0	5.0
8. NE BUILD	752.0	1712.0	5.0
9. WS MID	264.0	1096.0	5.0
10. WS 164	535.0	1124.0	5.0
11. WS 82	614.0	1157.0	5.0
12. SW CORN	701.0	1193.0	5.0
13. SW 82	764.0	1135.0	5.0
14. SW 164	823.0	1075.0	5.0
15. SW MID	954.0	904.0	5.0

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JOB: S11 Lom & 895 EXAM RUN: Site 11 Existing AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
0.	.0	.0	.0	.2	.1	.2	.0	.0	.8	.6	1.4	.3	.5	.3	.4
5.	.0	.0	.0	.1	.1	.1	.0	.0	.7	.5	1.4	.4	.5	.3	.3
10.	.0	.0	.0	.1	.0	.1	.0	.0	.7	.4	1.4	.5	.5	.3	.3
15.	.0	.0	.1	.2	.0	.1	.0	.0	.6	.6	1.4	.5	.4	.3	.3
20.	.0	.0	.1	.2	.0	.0	.0	.0	.6	.5	1.2	.5	.4	.2	.3
25.	.0	.0	.0	.2	.0	.0	.0	.0	.4	.6	1.2	.5	.2	.2	.3
30.	.0	.0	.0	.1	.0	.0	.0	.0	.4	.7	1.1	.4	.2	.2	.3
35.	.0	.0	.0	.1	.0	.0	.0	.0	.4	.8	1.0	.4	.2	.2	.3
40.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.9	.9	.4	.2	.3	.3
45.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.9	.7	.4	.2	.3	.3
50.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.8	.6	.4	.2	.3	.3
55.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.9	.5	.4	.2	.2	.3
60.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.3	.4	.2	.2	.3
65.	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.3	.4	.2	.2	.3
70.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.4	.2	.2	.3
75.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.4	.2	.2	.3
80.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.4	.3	.3	.3
85.	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.1	.3	.3	.3	.2
90.	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.1	.3	.3	.3	.3
95.	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.3	.3	.3	.3
100.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.3	.3	.3	.3
105.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.3	.3	.4	.3
110.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.3	.3	.3
115.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.3	.3	.3
120.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	.4
125.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.3	.4
130.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3	.4
135.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.2	.4
140.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.5
145.	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.4
150.	.0	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4
155.	.0	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3
160.	.0	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4
165.	.2	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
170.	.2	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
175.	.2	.3	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
180.	.3	.3	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
185.	.3	.1	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	.3	.1	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	.3	.1	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	.2	.1	.1	.5	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
205.	.2	.1	.1	.5	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

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JOB: S11 Lom & 895 EXAM RUN: Site 11 Existing AM

WIND ANGLE (DEGR) * CONCENTRATION (PPM) REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15

210.	*	.2	.1	.1	.5	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
215.	*	.3	.1	.1	.4	.1	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
220.	*	.3	.1	.2	.6	.1	.0	.0	.0	.4	.2	.0	.0	.0	.0	.0
225.	*	.2	.1	.2	.4	.1	.0	.0	.1	.4	.2	.2	.0	.0	.0	.0
230.	*	.2	.1	.2	.5	.1	.1	.0	.2	.5	.2	.2	.2	.0	.0	.0
235.	*	.2	.1	.4	.7	.2	.1	.0	.3	.5	.2	.2	.2	.2	.0	.0
240.	*	.2	.2	.4	.5	.2	.1	.0	.2	.5	.4	.5	.4	.2	.2	.0
245.	*	.2	.2	.6	.7	.2	.0	.0	.3	.4	.3	.4	.5	.2	.2	.0
250.	*	.2	.2	.5	.8	.2	.1	.0	.3	.5	.4	.5	.6	.1	.2	.0
255.	*	.2	.1	.9	.8	.3	.0	.0	.3	.6	.6	.7	.8	.0	.1	.0
260.	*	.2	.3	.9	.7	.2	.1	.0	.3	.6	.7	.8	.9	.2	.0	.1
265.	*	.2	.4	.9	.7	.0	.1	.1	.3	.6	.8	.9	1.1	.3	.2	.1
270.	*	.2	.5	1.1	.6	.1	.3	.1	.3	.8	.8	1.0	1.0	.4	.2	.0
275.	*	.2	.6	.9	.5	.3	.2	.1	.3	.8	.8	1.1	1.0	.5	.2	.0
280.	*	.2	.5	1.0	.4	.2	.2	.2	.3	.9	1.0	.9	1.1	.6	.2	.1
285.	*	.3	.5	.9	.5	.1	.3	.2	.3	.9	.9	.8	1.2	.4	.3	.2
290.	*	.3	.6	.8	.3	.1	.3	.2	.3	.9	.9	.8	1.1	.5	.2	.0
295.	*	.3	.6	.4	.3	.2	.3	.2	.3	1.0	.8	.9	1.2	.5	.4	.0
300.	*	.4	.4	.3	.3	.2	.3	.2	.3	.9	.7	1.0	1.0	.5	.6	.1
305.	*	.3	.5	.4	.4	.2	.3	.2	.3	.9	.7	.9	1.0	.6	.5	.2
310.	*	.2	.4	.4	.4	.2	.3	.2	.3	1.0	.7	.9	.9	.6	.4	.2
315.	*	.3	.3	.5	.4	.2	.3	.2	.3	1.0	.7	1.2	.8	.5	.6	.3
320.	*	.3	.2	.5	.5	.2	.3	.2	.3	.8	.6	1.1	.8	.6	.7	.5
325.	*	.2	.2	.4	.6	.2	.3	.2	.3	.8	.7	1.2	.8	.6	.5	.5
330.	*	.2	.2	.4	.6	.2	.3	.0	.2	.9	.6	1.3	.8	.6	.5	.6
335.	*	.2	.2	.4	.6	.2	.3	.0	.2	.9	.7	1.2	.7	.6	.5	.6
340.	*	.0	.2	.4	.6	.1	.1	.0	.2	.8	.7	1.2	.8	.5	.5	.6
345.	*	.0	.2	.3	.6	.0	.1	.0	.2	.9	.7	1.3	.8	.6	.5	.5
350.	*	.0	.0	.0	.5	.0	.1	.0	.1	.8	.6	1.3	.7	.7	.3	.4
355.	*	.0	.0	.0	.3	.1	.1	.0	.0	.8	.7	1.3	.6	.5	.3	.4
360.	*	.0	.0	.0	.2	.1	.2	.0	.0	.8	.6	1.4	.3	.5	.3	.4
MAX	*	.4	.6	1.1	.8	.3	.3	.2	.3	1.0	1.0	1.4	1.2	.7	.7	.6
DEGR.	*	300	275	270	250	255	270	280	235	295	280	0	285	350	320	330

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 0 DEGREES FROM REC11.
THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 285 DEGREES FROM REC12.
THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 270 DEGREES FROM REC3 .

```
S11 Lom & 895 EXPM                      60.0321.0.0000.000150.30480000    1    1
SE MID                    1035.      979.        5.
SE 164                     878.     1161.        5.
SE 82                      816.     1232.        5.
SE CORN                    786.     1282.        5.
SE PATH                    939.     1340.        5.
SE PATH2                   969.     1448.        5.
SE PATH3                  1076.     1540.        5.
NE BUILD                   752.     1712.        5.
WS MID                     264.     1096.        5.
WS 164                     535.     1124.        5.
WS 82                      614.     1157.        5.
SW CORN                    701.     1193.        5.
SW 82                      764.     1135.        5.
SW 164                     823.     1075.        5.
SW MID                     954.      904.        5.
Site 11 Existing PM                      53  1   0
  1
NB        BAY       AG  1129.   353.  1038.   889.    690.10.0  0. 44.   30.
  1
NB        BAY       AG  1038.   889.   953.  1041.    690.10.0  0. 44.   30.
  1
NB        BAYTR     AG   953.  1041.   726.  1293.    405.10.0  0. 44.   30.
  2
NB        BAY TR    AG   765.  1250.   885.  1116.      0. 24.   2
       110        60         3  405   56.4 1723 1 3
  1
NB        BAYL      AG   953.  1041.   715.  1265.    285.10.0  0. 32.   30.
  2
NB        BAY L     AG   749.  1233.   844.  1144.      0. 12.   1
       110        60         3  285   56.4 1783 1 3
  1
NB        ONRAMP    AG   726.  1293.   482.  1533.    605.10.0  0. 32.   30.
  1
NB        ONRAMP    AG   482.  1533.   416.  1664.    605.10.0  0. 32.   30.
  1
NB        ONRAMP    AG   416.  1664.   406.  1817.    605.10.0  0. 32.   30.
  1
NB        ONRAMP    AG   406.  1817.   452.  1991.    605.10.0  0. 32.   30.
  1
NB        ONRAMP    AG   452.  1991.   545.  2180.    605.10.0  0. 32.   30.
  1
SB        OFFRAMP   BR    29.  1061.   133.  1356.     95.10.0 15. 32.   30.
  1
SB        OFFRAMP   AG   133.  1356.   175.  1422.     95.10.0  0. 32.   30.
  1
SB        OFFRAMP   AG   175.  1422.   251.  1480.     95.10.0  0. 32.   30.
  1
SB        OFFRAMP   AG   251.  1480.   338.  1504.     95.10.0  0. 32.   30.
  1
SB        OFFRAMP   AG   338.  1504.   418.  1498.     95.10.0  0. 32.   30.
  1
SB        OFFRAMP   AG   418.  1498.   490.  1467.     95.10.0  0. 32.   30.
  1
SB        OFFRAMPTR AG   490.  1467.   680.  1267.     30.10.0  0. 32.   30.
  2
SB        OFFRAMP TRAG   653.  1295.   544.  1410.      0. 24.   2
       110       100         3   30   56.4 1593 1 3
  1
SB        OFFRAMPL  AG   490.  1467.   689.  1289.     65.10.0  0. 32.   30.
  2
SB        OFFRAMP L AG   666.  1309.   575.  1390.      0. 12.   1
       110       100         3   65   56.4 1783 1 3
  1
SB        BAYVIEW   AG   680.  1267.   893.  1041.    255.10.0  0. 44.   30.
  1
SB        BAYVIEW   AG   893.  1041.   978.   907.    255.10.0  0. 44.   30.
  1
SB        BAYVIEW   AG   978.   907.  1014.   809.    255.10.0  0. 44.   30.
  1
SB        BAYVIEW   AG  1014.   809.  1096.   305.    255.10.0  0. 44.   30.
  1
EB        LOMBARD   AG  -284.  1108.   195.  1135.    905.10.0  0. 56.   30.
  1
EB        LOMBARD   AG   195.  1135.   395.  1128.    905.10.0  0. 56.   30.
  1
EB        LOMBARD   AG   395.  1128.   543.  1158.    905.10.0  0. 56.   30.
  1
EB        LOMB TR   AG   543.  1158.   709.  1252.    630.10.0  0. 56.   30.
  2
EB        LOMB TR   AG   661.  1225.   566.  1171.      0. 36.   3
```

```
       110        70         3  630   56.4 1783 1 3
  1
EB        LOMB L    AG   395.  1128.   489.  1163.    275.10.0  0. 32.   30.
  1
EB        LOMB L    AG   489.  1163.   683.  1250.    275.10.0  0. 32.   30.
  2
EB        LOMB L    AG   657.  1238.   592.  1209.      0. 12.   1
       110        60         3  275   56.4  917 1 3
  1
EB        LOMB D    AG   709.  1252.   833.  1403.    555.10.0  0. 44.   30.
  1
EB        LOMB D    AG   833.  1403.  1240.  2138.    555.10.0  0. 44.   30.
  1
WB        LOMB      AG  1218.  2138.   847.  1505.    320.10.0  0. 44.   30.
  1
WB        LOMB TR   AG   847.  1505.   703.  1289.    250.10.0  0. 44.   30.
  2
WB        LOMB TR   AG   735.  1337.   800.  1435.      0. 24.   2
       110        70         3  250   56.4 1725 1 3
  1
WB        LOMB L    AG   847.  1505.   833.  1451.     20.10.0  0. 32.   30.
  1
WB        LOMB L    AG   833.  1451.   740.  1306.     20.10.0  0. 32.   30.
  2
WB        LOMB L    AG   751.  1323.   802.  1402.      0. 12.   1
       110        65         3   20   56.4  787 1 3
  1
WB        LOMB D    AG   703.  1289.   546.  1205.    540.10.0  0. 44.   30.
  1
WB        LOMB D    AG   546.  1205.   438.  1177.    540.10.0  0. 44.   30.
  1
WB        LOMB D    AG   438.  1177.  -303.  1137.    540.10.0  0. 44.   30.
  1
EB        895       BR     3.   552.     4.   959.   3055.11.6 15. 44.   60.
  1
EB        895       BR     4.   959.    73.  1319.   3055.11.6 15. 44.   60.
  1
EB        895       BR    73.  1319.   187.  1597.   3055.11.6 15. 44.   60.
  1
EB        895       AG   187.  1597.   601.  2305.   2055.11.6  0. 44.   60.
  1
WB        895       AG   536.  2277.   101.  1488.   2915.11.6  0. 44.   60.
  1
WB        895       BR   101.  1488.    25.  1253.   2915.11.6 15. 44.   60.
  1
WB        895       BR    25.  1253.   -22.   994.   2915.11.6 15. 44.   60.
  1
WB        895       BR   -22.   994.   -33.   804.   2915.11.6 15. 44.   60.
  1
WB        895       AG   -33.   804.   -30.   536.   2915.11.6  0. 44.   60.
1.0   04  1000   0Y  5  0 72
```

JOB: S11 Lom & 895 EXPM RUN: Site 11 Existing PM
DATE: 09/07/2012 TIME: 13:02:31.68

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	BAY	*	1129.0	353.0	1038.0	889.0	*	544.	350.	AG	690.	10.0	.0	44.0		
2. NB	BAY	*	1038.0	889.0	953.0	1041.0	*	174.	331.	AG	690.	10.0	.0	44.0		
3. NB	BAYTR	*	953.0	1041.0	726.0	1293.0	*	339.	318.	AG	405.	10.0	.0	44.0		
4. NB	BAY TR	*	765.0	1250.0	809.2	1200.6	*	66.	138.	AG	165.	100.0	.0	24.0	.27	3.4
5. NB	BAYL	*	953.0	1041.0	715.0	1265.0	*	327.	313.	AG	285.	10.0	.0	32.0		
6. NB	BAY L	*	749.0	1233.0	817.2	1169.1	*	94.	133.	AG	83.	100.0	.0	12.0	.37	4.8
7. NB	ONRAMP	*	726.0	1293.0	482.0	1533.0	*	342.	315.	AG	605.	10.0	.0	32.0		
8. NB	ONRAMP	*	482.0	1533.0	416.0	1664.0	*	147.	333.	AG	605.	10.0	.0	32.0		
9. NB	ONRAMP	*	416.0	1664.0	406.0	1817.0	*	153.	356.	AG	605.	10.0	.0	32.0		
10. NB	ONRAMP	*	406.0	1817.0	452.0	1991.0	*	180.	15.	AG	605.	10.0	.0	32.0		
11. NB	ONRAMP	*	452.0	1991.0	545.0	2180.0	*	211.	26.	AG	605.	10.0	.0	32.0		
12. SB	OFFRAMP	*	29.0	1061.0	133.0	1356.0	*	313.	19.	BR	95.	10.0	15.0	32.0		
13. SB	OFFRAMP	*	133.0	1356.0	175.0	1422.0	*	78.	32.	AG	95.	10.0	.0	32.0		
14. SB	OFFRAMP	*	175.0	1422.0	251.0	1480.0	*	96.	53.	AG	95.	10.0	.0	32.0		
15. SB	OFFRAMP	*	251.0	1480.0	338.0	1504.0	*	90.	75.	AG	95.	10.0	.0	32.0		
16. SB	OFFRAMP	*	338.0	1504.0	418.0	1498.0	*	80.	94.	AG	95.	10.0	.0	32.0		
17. SB	OFFRAMP	*	418.0	1498.0	490.0	1467.0	*	78.	113.	AG	95.	10.0	.0	32.0		
18. SB	OFFRAMPTR	*	490.0	1467.0	680.0	1267.0	*	276.	136.	AG	30.	10.0	.0	32.0		
19. SB	OFFRAMP TR	*	653.0	1295.0	647.4	1301.0	*	8.	317.	AG	275.	100.0	.0	24.0	.14	.4
20. SB	OFFRAMPL	*	490.0	1467.0	689.0	1289.0	*	267.	132.	AG	65.	10.0	.0	32.0		
21. SB	OFFRAMP L	*	666.0	1309.0	639.1	1332.9	*	36.	312.	AG	138.	100.0	.0	12.0	.52	1.8
22. SB	BAYVIEW	*	680.0	1267.0	893.0	1041.0	*	311.	137.	AG	255.	10.0	.0	44.0		
23. SB	BAYVIEW	*	893.0	1041.0	978.0	907.0	*	159.	148.	AG	255.	10.0	.0	44.0		
24. SB	BAYVIEW	*	978.0	907.0	1014.0	809.0	*	104.	160.	AG	255.	10.0	.0	44.0		
25. SB	BAYVIEW	*	1014.0	809.0	1096.0	305.0	*	511.	171.	AG	255.	10.0	.0	44.0		
26. EB	LOMBARD	*	-284.0	1108.0	195.0	1135.0	*	480.	87.	AG	905.	10.0	.0	56.0		
27. EB	LOMBARD	*	195.0	1135.0	395.0	1128.0	*	200.	92.	AG	905.	10.0	.0	56.0		
28. EB	LOMBARD	*	395.0	1128.0	543.0	1158.0	*	151.	79.	AG	905.	10.0	.0	56.0		
29. EB	LOMB TR	*	543.0	1158.0	709.0	1252.0	*	191.	60.	AG	630.	10.0	.0	56.0		
30. EB	LOMB TR	*	661.0	1225.0	591.1	1185.3	*	80.	240.	AG	289.	100.0	.0	36.0	.34	4.1
31. EB	LOMB L	*	395.0	1128.0	489.0	1163.0	*	100.	70.	AG	275.	10.0	.0	32.0		
32. EB	LOMB L	*	489.0	1163.0	683.0	1250.0	*	213.	66.	AG	275.	10.0	.0	32.0		
33. EB	LOMB L	*	657.0	1238.0	574.6	1201.2	*	90.	246.	AG	83.	100.0	.0	12.0	.69	4.6
34. EB	LOMB D	*	709.0	1252.0	833.0	1403.0	*	195.	39.	AG	555.	10.0	.0	44.0		
35. EB	LOMB D	*	833.0	1403.0	1240.0	2138.0	*	840.	29.	AG	555.	10.0	.0	44.0		
36. WB	LOMB	*	1218.0	2138.0	847.0	1505.0	*	734.	210.	AG	320.	10.0	.0	44.0		
37. WB	LOMB TR	*	847.0	1505.0	703.0	1289.0	*	260.	214.	AG	250.	10.0	.0	44.0		
38. WB	LOMB TR	*	735.0	1337.0	761.4	1376.9	*	48.	34.	AG	193.	100.0	.0	24.0	.21	2.4
39. WB	LOMB L	*	847.0	1505.0	833.0	1451.0	*	56.	195.	AG	20.	10.0	.0	32.0		
40. WB	LOMB L	*	833.0	1451.0	740.0	1306.0	*	172.	213.	AG	20.	10.0	.0	32.0		
41. WB	LOMB L	*	751.0	1323.0	754.9	1329.0	*	7.	33.	AG	89.	100.0	.0	12.0	.07	.4
42. WB	LOMB D	*	703.0	1289.0	546.0	1205.0	*	178.	242.	AG	540.	10.0	.0	44.0		
43. WB	LOMB D	*	546.0	1205.0	438.0	1177.0	*	112.	255.	AG	540.	10.0	.0	44.0		
44. WB	LOMB D	*	438.0	1177.0	-303.0	1137.0	*	742.	267.	AG	540.	10.0	.0	44.0		

JOB: S11 Lom & 895 EXPM RUN: Site 11 Existing PM
DATE: 09/07/2012 TIME: 13:02:31.68

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. EB	895	*	3.0	552.0	4.0	959.0	*	407.	0.	BR	3055.	11.6	15.0	44.0		
46. EB	895	*	4.0	959.0	73.0	1319.0	*	367.	11.	BR	3055.	11.6	15.0	44.0		
47. EB	895	*	73.0	1319.0	187.0	1597.0	*	300.	22.	BR	3055.	11.6	15.0	44.0		
48. EB	895	*	187.0	1597.0	601.0	2305.0	*	820.	30.	AG	2055.	11.6	.0	44.0		
49. WB	895	*	536.0	2277.0	101.0	1488.0	*	901.	209.	AG	2915.	11.6	.0	44.0		
50. WB	895	*	101.0	1488.0	25.0	1253.0	*	247.	198.	BR	2915.	11.6	15.0	44.0		
51. WB	895	*	25.0	1253.0	-22.0	994.0	*	263.	190.	BR	2915.	11.6	15.0	44.0		
52. WB	895	*	-22.0	994.0	-33.0	804.0	*	190.	183.	BR	2915.	11.6	15.0	44.0		
53. WB	895	*	-33.0	804.0	-30.0	536.0	*	268.	179.	AG	2915.	11.6	.0	44.0		

JOB: S11 Lom & 895 EXPM RUN: Site 11 Existing PM
DATE: 09/07/2012 TIME: 13:02:31.68

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. NB	BAY TR	*	110	60	.3	405	1723	56.40	1	3

6. NB	BAY L	*	110	60	.3	285	1783	56.40	1	3
19. SB	OFFRAMP TR	*	110	100	.3	30	1593	56.40	1	3
21. SB	OFFRAMP L	*	110	100	.3	65	1783	56.40	1	3
30. EB	LOMB TR	*	110	70	.3	630	1783	56.40	1	3
33. EB	LOMB L	*	110	60	.3	275	917	56.40	1	3
38. WB	LOMB TR	*	110	70	.3	250	1725	56.40	1	3
41. WB	LOMB L	*	110	65	.3	20	787	56.40	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID	1035.0	979.0	5.0
2. SE 164	878.0	1161.0	5.0
3. SE 82	816.0	1232.0	5.0
4. SE CORN	786.0	1282.0	5.0
5. SE PATH	939.0	1340.0	5.0
6. SE PATH2	969.0	1448.0	5.0
7. SE PATH3	1076.0	1540.0	5.0
8. NE BUILD	752.0	1712.0	5.0
9. WS MID	264.0	1096.0	5.0
10. WS 164	535.0	1124.0	5.0
11. WS 82	614.0	1157.0	5.0
12. SW CORN	701.0	1193.0	5.0
13. SW 82	764.0	1135.0	5.0
14. SW 164	823.0	1075.0	5.0
15. SW MID	954.0	904.0	5.0

1

JOB: S11 Lom & 895 EXPM RUN: Site 11 Existing PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
0.	.0	.1	.1	.3	.1	.1	.1	.0	.8	.7	1.5	.4	.5	.4	.2
5.	.0	.1	.2	.1	.1	.1	.1	.0	.7	.7	1.3	.5	.5	.2	.2
10.	.0	.1	.1	.2	.1	.1	.1	.0	.7	.5	1.3	.5	.6	.2	.2
15.	.0	.1	.1	.2	.1	.1	.0	.0	.6	.5	1.2	.4	.6	.2	.2
20.	.0	.0	.1	.2	.1	.1	.0	.0	.5	.5	1.1	.4	.6	.2	.2
25.	.0	.0	.1	.2	.0	.1	.0	.0	.3	.6	1.1	.4	.5	.2	.2
30.	.0	.0	.1	.2	.0	.0	.0	.0	.4	.8	1.0	.4	.4	.2	.2
35.	.0	.0	.0	.2	.0	.0	.0	.0	.4	.8	1.0	.4	.4	.2	.2
40.	.0	.0	.0	.1	.0	.0	.0	.0	.4	.8	.7	.5	.4	.2	.2
45.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.8	.6	.4	.4	.2	.2
50.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.8	.5	.3	.3	.2	.2
55.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6	.3	.4	.4	.2	.2
60.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.4	.2	.2	.2
65.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.5	.2	.2	.2
70.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.5	.3	.2	.2
75.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.6	.3	.2	.2
80.	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.5	.3	.2	.1
85.	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.5	.3	.2	.1
90.	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.5	.3	.2	.2
95.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.5	.3	.2	.2
100.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4	.3	.2	.3
105.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2	.3
110.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2
115.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2
120.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2
125.	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2
130.	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2
135.	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2
140.	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2
145.	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2
150.	.0	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2
155.	.1	.5	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
160.	.1	.5	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
165.	.2	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
170.	.3	.3	.4	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
175.	.3	.3	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
180.	.2	.3	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
185.	.3	.2	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	.3	.2	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	.3	.2	.6	.6	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
200.	.2	.2	.6	.6	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
205.	.2	.2	.6	.4	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0

1

JOB: S11 Lom & 895 EXPM RUN: Site 11 Existing PM

WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15

210.	*	.2	.2	.7	.5	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
215.	*	.2	.2	.7	.5	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0
220.	*	.2	.2	.7	.3	.0	.0	.0	.2	.4	.2	.1	.0	.0	.0	.0
225.	*	.2	.2	.7	.5	.1	.0	.0	.1	.4	.2	.2	.1	.0	.0	.0
230.	*	.2	.2	.8	.5	.2	.1	.0	.2	.5	.2	.2	.2	.1	.0	.0
235.	*	.2	.3	.8	.5	.2	.2	.0	.3	.6	.2	.2	.2	.2	.0	.0
240.	*	.2	.3	.9	.6	.3	.2	.0	.3	.4	.4	.3	.3	.2	.1	.0
245.	*	.2	.3	.9	.8	.2	.2	.1	.3	.5	.3	.4	.4	.1	.2	.0
250.	*	.3	.3	1.1	.8	.2	.1	.2	.3	.5	.4	.5	.6	.1	.1	.1
255.	*	.3	.3	1.1	.7	.3	.2	.2	.3	.6	.7	.7	.6	.2	.1	.1
260.	*	.3	.3	1.2	.7	.2	.2	.2	.3	.6	.6	.7	.8	.2	.2	.1
265.	*	.3	.5	1.2	.7	.2	.3	.2	.3	.7	.8	.8	1.0	.2	.1	.1
270.	*	.2	.6	1.2	.7	.4	.2	.3	.3	.9	.8	.8	1.1	.4	.2	.1
275.	*	.3	.6	1.3	.7	.4	.3	.2	.3	.9	.8	.8	1.2	.4	.2	.1
280.	*	.3	1.0	1.1	.6	.4	.3	.3	.3	.9	.9	.8	1.3	.4	.2	.1
285.	*	.3	.8	1.0	.6	.3	.3	.3	.3	.9	.8	.8	1.3	.6	.3	.1
290.	*	.2	.8	.7	.5	.2	.3	.3	.3	1.0	.8	.8	1.2	.5	.3	.1
295.	*	.3	.8	.7	.4	.2	.3	.3	.3	1.1	.7	.7	1.2	.5	.3	.0
300.	*	.4	.7	.7	.5	.2	.3	.3	.3	.8	.7	.7	1.1	.5	.3	.1
305.	*	.3	.6	.6	.5	.2	.3	.3	.3	.8	.6	.8	1.0	.5	.3	.1
310.	*	.3	.7	.6	.5	.2	.3	.3	.3	1.0	.7	.8	1.0	.5	.3	.1
315.	*	.3	.5	.7	.5	.3	.3	.3	.3	1.0	.7	.9	.8	.4	.4	.1
320.	*	.4	.4	.6	.5	.3	.3	.3	.3	.8	.6	1.2	.7	.5	.4	.2
325.	*	.3	.4	.6	.5	.3	.3	.2	.2	.9	.7	1.1	.7	.6	.3	.3
330.	*	.2	.3	.4	.5	.3	.3	.1	.2	1.0	.7	1.2	.7	.4	.4	.3
335.	*	.2	.2	.4	.5	.3	.1	.1	.2	.7	.6	1.3	.6	.4	.5	.4
340.	*	.0	.2	.4	.5	.1	.1	.1	.2	.7	.7	1.3	.5	.4	.6	.4
345.	*	.0	.1	.4	.4	.1	.1	.1	.2	.9	.7	1.3	.6	.4	.6	.2
350.	*	.0	.0	.1	.3	.1	.1	.1	.0	.9	.7	1.4	.6	.6	.5	.1
355.	*	.0	.0	.1	.3	.1	.1	.1	.0	.8	.7	1.5	.6	.5	.5	.2
360.	*	.0	.1	.1	.3	.1	.1	.1	.0	.8	.7	1.5	.4	.5	.4	.2
MAX	*	.4	1.0	1.3	.8	.4	.3	.3	.3	1.1	.9	1.5	1.3	.6	.6	.4
DEGR.	*	300	280	275	245	270	265	270	235	295	280	0	280	10	340	335

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 0 DEGREES FROM REC11.
THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 275 DEGREES FROM REC3 .
THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 280 DEGREES FROM REC12.

```
S11 Lom & 895 NB2021AM                  60.0321.0.0000.000150.30480000    1    1
SE MID                    1035.      979.        5.
SE 164                     878.     1161.        5.
SE 82                      816.     1232.        5.
SE CORN                    786.     1282.        5.
SE PATH                    939.     1340.        5.
SE PATH2                   969.     1448.        5.
SE PATH3                  1076.     1540.        5.
NE BUILD                   752.     1712.        5.
WS MID                     264.     1096.        5.
WS 164                     535.     1124.        5.
WS 82                      614.     1157.        5.
SW CORN                    701.     1193.        5.
SW 82                      764.     1135.        5.
SW 164                     823.     1075.        5.
SW MID                     954.      904.        5.
Site 11 NO BUILD 2021 AM                 53  1   0
  1
NB        BAY       AG  1129.   353.  1038.   889.    525. 8.1  0. 44.   30.
  1
NB        BAY       AG  1038.   889.   953.  1041.    525. 8.1  0. 44.   30.
  1
NB        BAYTR     AG   953.  1041.   726.  1293.    335. 8.1  0. 44.   30.
  2
NB        BAY TR    AG   765.  1250.   885.  1116.      0. 24.   2
       110        84         3  335   43.6 1724 1 3
  1
NB        BAYL      AG   953.  1041.   715.  1265.    190. 8.1  0. 32.   30.
  2
NB        BAY L     AG   749.  1233.   844.  1144.      0. 12.   1
       110        84         3  190   43.6 1783 1 3
  1
NB        ONRAMP    AG   726.  1293.   482.  1533.    500. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   482.  1533.   416.  1664.    500. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   416.  1664.   406.  1817.    500. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   406.  1817.   452.  1991.    500. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   452.  1991.   545.  2180.    500. 8.1  0. 32.   30.
  1
SB        OFFRAMP   BR    29.  1061.   133.  1356.    405. 8.1 15. 32.   30.
  1
SB        OFFRAMP   AG   133.  1356.   175.  1422.    405. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   175.  1422.   251.  1480.    405. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   251.  1480.   338.  1504.    405. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   338.  1504.   418.  1498.    405. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   418.  1498.   490.  1467.    405. 8.1  0. 32.   30.
  1
SB        OFFRAMPTR AG   490.  1467.   680.  1267.    335. 8.1  0. 32.   30.
  2
SB        OFFRAMP TRAG   653.  1295.   544.  1410.      0. 24.   2
       110        80         3  335   43.6 1705 1 3
  1
SB        OFFRAMPL  AG   490.  1467.   689.  1289.     70. 8.1  0. 32.   30.
  2
SB        OFFRAMP L AG   666.  1309.   575.  1390.      0. 12.   1
       110        80         3   70   43.6 1783 1 3
  1
SB        BAYVIEW   AG   680.  1267.   893.  1041.   1060. 8.1  0. 44.   30.
  1
SB        BAYVIEW   AG   893.  1041.   978.   907.   1060. 8.1  0. 44.   30.
  1
SB        BAYVIEW   AG   978.   907.  1014.   809.   1060. 8.1  0. 44.   30.
  1
SB        BAYVIEW   AG  1014.   809.  1096.   305.   1060. 8.1  0. 44.   30.
  1
EB        LOMBARD   AG  -284.  1108.   195.  1135.   1200. 8.1  0. 56.   30.
  1
EB        LOMBARD   AG   195.  1135.   395.  1128.   1200. 8.1  0. 56.   30.
  1
EB        LOMBARD   AG   395.  1128.   543.  1158.   1200. 8.1  0. 56.   30.
  1
EB        LOMB TR   AG   543.  1158.   709.  1252.   1000. 8.1  0. 56.   30.
  2
EB        LOMB TR   AG   661.  1225.   566.  1171.      0. 36.   3
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```
       110        62         3 1000   43.6 1783 1 3
  1
EB        LOMB L    AG   395.  1128.   489.  1163.    200. 8.1  0. 32.   30.
  1
EB        LOMB L    AG   489.  1163.   683.  1250.    200. 8.1  0. 32.   30.
  2
EB        LOMB L    AG   657.  1238.   592.  1209.      0. 12.   1
       110        53         3  200   43.6  936 1 3
  1
EB        LOMB D    AG   709.  1252.   833.  1403.    440. 8.1  0. 44.   30.
  1
EB        LOMB D    AG   833.  1403.  1240.  2138.    440. 8.1  0. 44.   30.
  1
WB        LOMB      AG  1218.  2138.   847.  1505.    445. 8.1  0. 44.   30.
  1
WB        LOMB TR   AG   847.  1505.   703.  1289.    320. 8.1  0. 44.   30.
  2
WB        LOMB TR   AG   735.  1337.   800.  1435.      0. 24.   2
       110        63         3  320   43.6 1759 1 3
  1
WB        LOMB L    AG   847.  1505.   833.  1451.    125. 8.1  0. 32.   30.
  1
WB        LOMB L    AG   833.  1451.   740.  1306.    125. 8.1  0. 32.   30.
  2
WB        LOMB L    AG   751.  1323.   802.  1402.      0. 12.   1
       110        56         3  125   43.6 1027 1 3
  1
WB        LOMB D    AG   703.  1289.   546.  1205.    575. 8.1  0. 44.   30.
  1
WB        LOMB D    AG   546.  1205.   438.  1177.    575. 8.1  0. 44.   30.
  1
WB        LOMB D    AG   438.  1177.  -303.  1137.    575. 8.1  0. 44.   30.
  1
EB        895       BR     3.   552.     4.   959.   2270. 9.3 15. 44.   60.
  1
EB        895       BR     4.   959.    73.  1319.   2270. 9.3 15. 44.   60.
  1
EB        895       BR    73.  1319.   187.  1597.   2270. 9.3 15. 44.   60.
  1
EB        895       AG   187.  1597.   601.  2305.   2270. 9.3  0. 44.   60.
  1
WB        895       AG   536.  2277.   101.  1488.   3195. 9.3  0. 44.   60.
  1
WB        895       BR   101.  1488.    25.  1253.   3195. 9.3 15. 44.   60.
  1
WB        895       BR    25.  1253.   -22.   994.   3195. 9.3 15. 44.   60.
  1
WB        895       BR   -22.   994.   -33.   804.   3195. 9.3 15. 44.   60.
  1
WB        895       AG   -33.   804.   -30.   536.   3195. 9.3  0. 44.   60.
1.0   04  1000   0Y  5  0 72
```

JOB: S11 Lom & 895 NB2021AM RUN: Site 11 NO BUILD 2021 AM
DATE: 09/07/2012 TIME: 13:15:24.76

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	BAY	1129.0	353.0	1038.0	889.0	544.	350.	AG	525.	8.1	.0	44.0		
2. NB	BAY	1038.0	889.0	953.0	1041.0	174.	331.	AG	525.	8.1	.0	44.0		
3. NB	BAYTR	953.0	1041.0	726.0	1293.0	339.	318.	AG	335.	8.1	.0	44.0		
4. NB	BAY TR	765.0	1250.0	816.2	1192.9	77.	138.	AG	179.	100.0	.0	24.0	.45	3.9
5. NB	BAYL	953.0	1041.0	715.0	1265.0	327.	313.	AG	190.	8.1	.0	32.0		
6. NB	BAY L	749.0	1233.0	812.7	1173.3	87.	133.	AG	89.	100.0	.0	12.0	.49	4.4
7. NB	ONRAMP	726.0	1293.0	482.0	1533.0	342.	315.	AG	500.	8.1	.0	32.0		
8. NB	ONRAMP	482.0	1533.0	416.0	1664.0	147.	333.	AG	500.	8.1	.0	32.0		
9. NB	ONRAMP	416.0	1664.0	406.0	1817.0	153.	356.	AG	500.	8.1	.0	32.0		
10. NB	ONRAMP	406.0	1817.0	452.0	1991.0	180.	15.	AG	500.	8.1	.0	32.0		
11. NB	ONRAMP	452.0	1991.0	545.0	2180.0	211.	26.	AG	500.	8.1	.0	32.0		
12. SB	OFFRAMP	29.0	1061.0	133.0	1356.0	313.	19.	BR	405.	8.1	15.0	32.0		
13. SB	OFFRAMP	133.0	1356.0	175.0	1422.0	78.	32.	AG	405.	8.1	.0	32.0		
14. SB	OFFRAMP	175.0	1422.0	251.0	1480.0	96.	53.	AG	405.	8.1	.0	32.0		
15. SB	OFFRAMP	251.0	1480.0	338.0	1504.0	90.	75.	AG	405.	8.1	.0	32.0		
16. SB	OFFRAMP	338.0	1504.0	418.0	1498.0	80.	94.	AG	405.	8.1	.0	32.0		
17. SB	OFFRAMP	418.0	1498.0	490.0	1467.0	78.	113.	AG	405.	8.1	.0	32.0		
18. SB	OFFRAMPTR	490.0	1467.0	680.0	1267.0	276.	136.	AG	335.	8.1	.0	32.0		
19. SB	OFFRAMP TR	653.0	1295.0	602.7	1348.0	73.	317.	AG	170.	100.0	.0	24.0	.39	3.7
20. SB	OFFRAMPL	490.0	1467.0	689.0	1289.0	267.	132.	AG	70.	8.1	.0	32.0		
21. SB	OFFRAMP L	666.0	1309.0	643.1	1329.4	31.	312.	AG	85.	100.0	.0	12.0	.16	1.6
22. SB	BAYVIEW	680.0	1267.0	893.0	1041.0	311.	137.	AG	1060.	8.1	.0	44.0		
23. SB	BAYVIEW	893.0	1041.0	978.0	907.0	159.	148.	AG	1060.	8.1	.0	44.0		
24. SB	BAYVIEW	978.0	907.0	1014.0	809.0	104.	160.	AG	1060.	8.1	.0	44.0		
25. SB	BAYVIEW	1014.0	809.0	1096.0	305.0	511.	171.	AG	1060.	8.1	.0	44.0		
26. EB	LOMBARD	-284.0	1108.0	195.0	1135.0	480.	87.	AG	1200.	8.1	.0	56.0		
27. EB	LOMBARD	195.0	1135.0	395.0	1128.0	200.	92.	AG	1200.	8.1	.0	56.0		
28. EB	LOMBARD	395.0	1128.0	543.0	1158.0	151.	79.	AG	1200.	8.1	.0	56.0		
29. EB	LOMB TR	543.0	1158.0	709.0	1252.0	191.	60.	AG	1000.	8.1	.0	56.0		
30. EB	LOMB TR	661.0	1225.0	562.9	1169.2	113.	240.	AG	198.	100.0	.0	36.0	.45	5.7
31. EB	LOMB L	395.0	1128.0	489.0	1163.0	100.	70.	AG	200.	8.1	.0	32.0		
32. EB	LOMB L	489.0	1163.0	683.0	1250.0	213.	66.	AG	200.	8.1	.0	32.0		
33. EB	LOMB L	657.0	1238.0	604.1	1214.4	58.	246.	AG	56.	100.0	.0	12.0	.43	2.9
34. EB	LOMB D	709.0	1252.0	833.0	1403.0	195.	39.	AG	440.	8.1	.0	44.0		
35. EB	LOMB D	833.0	1403.0	1240.0	2138.0	840.	29.	AG	440.	8.1	.0	44.0		
36. WB	LOMB	1218.0	2138.0	847.0	1505.0	734.	210.	AG	445.	8.1	.0	44.0		
37. WB	LOMB TR	847.0	1505.0	703.0	1289.0	260.	214.	AG	320.	8.1	.0	44.0		
38. WB	LOMB TR	735.0	1337.0	765.5	1382.9	55.	34.	AG	134.	100.0	.0	24.0	.22	2.8
39. WB	LOMB L	847.0	1505.0	833.0	1451.0	56.	195.	AG	125.	8.1	.0	32.0		
40. WB	LOMB L	833.0	1451.0	740.0	1306.0	172.	213.	AG	125.	8.1	.0	32.0		
41. WB	LOMB L	751.0	1323.0	771.8	1355.2	38.	33.	AG	60.	100.0	.0	12.0	.26	1.9
42. WB	LOMB D	703.0	1289.0	546.0	1205.0	178.	242.	AG	575.	8.1	.0	44.0		
43. WB	LOMB D	546.0	1205.0	438.0	1177.0	112.	255.	AG	575.	8.1	.0	44.0		
44. WB	LOMB D	438.0	1177.0	-303.0	1137.0	742.	267.	AG	575.	8.1	.0	44.0		

JOB: S11 Lom & 895 NB2021AM RUN: Site 11 NO BUILD 2021 AM
DATE: 09/07/2012 TIME: 13:15:24.76

LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. EB	895	3.0	552.0	4.0	959.0	407.	0.	BR	2270.	9.3	15.0	44.0		
46. EB	895	4.0	959.0	73.0	1319.0	367.	11.	BR	2270.	9.3	15.0	44.0		
47. EB	895	73.0	1319.0	187.0	1597.0	300.	22.	BR	2270.	9.3	15.0	44.0		
48. EB	895	187.0	1597.0	601.0	2305.0	820.	30.	AG	2270.	9.3	.0	44.0		
49. WB	895	536.0	2277.0	101.0	1488.0	901.	209.	AG	3195.	9.3	.0	44.0		
50. WB	895	101.0	1488.0	25.0	1253.0	247.	198.	BR	3195.	9.3	15.0	44.0		
51. WB	895	25.0	1253.0	-22.0	994.0	263.	190.	BR	3195.	9.3	15.0	44.0		
52. WB	895	-22.0	994.0	-33.0	804.0	190.	183.	BR	3195.	9.3	15.0	44.0		
53. WB	895	-33.0	804.0	-30.0	536.0	268.	179.	AG	3195.	9.3	.0	44.0		

JOB: S11 Lom & 895 NB2021AM RUN: Site 11 NO BUILD 2021 AM
DATE: 09/07/2012 TIME: 13:15:24.76

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. NB	BAY TR	110	84	.3	335	1724	43.60	1	3

6. NB	BAY L	*	110	84	.3	190	1783	43.60	1	3
19. SB	OFFRAMP TR	*	110	80	.3	335	1705	43.60	1	3
21. SB	OFFRAMP L	*	110	80	.3	70	1783	43.60	1	3
30. EB	LOMB TR	*	110	62	.3	1000	1783	43.60	1	3
33. EB	LOMB L	*	110	53	.3	200	936	43.60	1	3
38. WB	LOMB TR	*	110	63	.3	320	1759	43.60	1	3
41. WB	LOMB L	*	110	56	.3	125	1027	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID	1035.0	979.0	5.0
2. SE 164	878.0	1161.0	5.0
3. SE 82	816.0	1232.0	5.0
4. SE CORN	786.0	1282.0	5.0
5. SE PATH	939.0	1340.0	5.0
6. SE PATH2	969.0	1448.0	5.0
7. SE PATH3	1076.0	1540.0	5.0
8. NE BUILD	752.0	1712.0	5.0
9. WS MID	264.0	1096.0	5.0
10. WS 164	535.0	1124.0	5.0
11. WS 82	614.0	1157.0	5.0
12. SW CORN	701.0	1193.0	5.0
13. SW 82	764.0	1135.0	5.0
14. SW 164	823.0	1075.0	5.0
15. SW MID	954.0	904.0	5.0

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JOB: S11 Lom & 895 NB2021AM RUN: Site 11 NO BUILD 2021 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
0.	.0	.0	.0	.2	.1	.1	.0	.0	.7	.6	1.0	.3	.5	.4	.5
5.	.0	.0	.0	.1	.1	.1	.0	.0	.7	.5	1.0	.3	.6	.4	.5
10.	.0	.0	.0	.1	.0	.1	.0	.0	.6	.4	1.1	.4	.6	.3	.4
15.	.0	.0	.1	.2	.0	.1	.0	.0	.6	.6	1.1	.5	.6	.3	.4
20.	.0	.0	.1	.2	.0	.0	.0	.0	.6	.7	1.1	.4	.6	.3	.4
25.	.0	.0	.0	.2	.0	.0	.0	.0	.4	.7	.9	.4	.6	.3	.4
30.	.0	.0	.0	.1	.0	.0	.0	.0	.4	.8	.8	.4	.6	.3	.4
35.	.0	.0	.0	.1	.0	.0	.0	.0	.4	.7	.8	.3	.6	.3	.4
40.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.9	.6	.4	.5	.3	.4
45.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.9	.5	.3	.5	.3	.4
50.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.8	.5	.4	.5	.3	.4
55.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.5	.4	.4	.3	.4
60.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.4	.5	.3	.3	.4
65.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.3	.5	.3	.3	.4
70.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.5	.3	.3	.4
75.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.5	.3	.3	.4
80.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2	.5	.3	.3	.4
85.	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.1	.6	.3	.3	.3
90.	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.1	.5	.3	.3	.4
95.	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.5	.3	.3	.4
100.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.5	.3	.3	.3
105.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.3	.4	.3
110.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.3	.4	.3
115.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.3	.3	.5
120.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.3	.5
125.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.3	.5
130.	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3	.5
135.	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.2	.6
140.	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.6
145.	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.5
150.	.0	.2	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.5
155.	.0	.2	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5
160.	.1	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5
165.	.2	.4	.4	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
170.	.3	.3	.4	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
175.	.3	.3	.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
180.	.4	.3	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
185.	.4	.2	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	.4	.2	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	.3	.2	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	.2	.2	.7	.6	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
205.	.2	.3	.7	.6	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

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JOB: S11 Lom & 895 NB2021AM RUN: Site 11 NO BUILD 2021 AM

WIND ANGLE (DEGR) * CONCENTRATION (PPM) REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15

210.	*	.2	.3	.8	.5	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
215.	*	.3	.3	.8	.5	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
220.	*	.3	.3	.8	.4	.2	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
225.	*	.2	.3	.8	.5	.2	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0
230.	*	.2	.3	.8	.5	.2	.0	.0	.0	.3	.2	.2	.0	.0	.0	.0
235.	*	.2	.3	.8	.4	.2	.0	.0	.0	.3	.2	.2	.1	.0	.0	.0
240.	*	.2	.3	.9	.4	.3	.0	.0	.1	.3	.4	.3	.3	.0	.0	.0
245.	*	.2	.3	1.0	.7	.2	.0	.0	.3	.4	.3	.4	.3	.1	.0	.0
250.	*	.2	.3	1.0	.6	.1	.0	.0	.3	.3	.3	.3	.4	.0	.0	.0
255.	*	.2	.3	1.0	.8	.0	.0	.0	.2	.4	.6	.7	.7	.0	.0	.0
260.	*	.2	.3	1.2	.8	.0	.0	.0	.2	.4	.6	.7	.8	.0	.0	.0
265.	*	.2	.4	1.2	.8	.0	.0	.0	.2	.5	.8	1.1	.9	.3	.0	.0
270.	*	.2	.5	1.0	.6	.0	.0	.1	.2	.8	.8	1.1	.9	.4	.1	.0
275.	*	.2	.7	1.1	.5	.0	.1	.1	.2	.8	.8	1.1	.9	.5	.2	.0
280.	*	.2	.7	1.0	.6	.0	.1	.1	.2	.8	.8	1.1	.8	.2	.0	.0
285.	*	.3	.6	.9	.5	.1	.2	.2	.2	.9	.8	.8	.8	.3	.1	.0
290.	*	.3	.6	.7	.5	.1	.3	.2	.2	.9	.7	1.0	.9	.4	.2	.0
295.	*	.3	.7	.7	.4	.1	.3	.2	.2	.9	.6	1.0	1.0	.5	.2	.0
300.	*	.3	.6	.6	.4	.2	.3	.2	.2	.7	.6	.9	.8	.4	.3	.1
305.	*	.3	.6	.6	.4	.2	.3	.2	.2	.7	.6	.8	.6	.4	.4	.1
310.	*	.3	.6	.6	.5	.2	.3	.2	.2	.8	.7	.9	.6	.4	.5	.3
315.	*	.3	.5	.6	.5	.2	.3	.2	.2	.9	.6	.9	.8	.5	.5	.4
320.	*	.2	.4	.5	.4	.2	.3	.2	.2	.8	.6	1.0	.8	.7	.5	.4
325.	*	.2	.4	.4	.4	.2	.3	.0	.2	.8	.5	1.0	.9	.6	.5	.6
330.	*	.2	.3	.4	.4	.2	.3	.0	.2	.8	.6	1.0	.8	.7	.6	.6
335.	*	.1	.2	.4	.5	.2	.1	.0	.2	.7	.6	1.0	.9	.6	.8	.6
340.	*	.0	.2	.3	.4	.0	.1	.0	.2	.7	.6	1.0	.9	.5	.8	.6
345.	*	.0	.0	.2	.4	.0	.1	.0	.1	.7	.6	1.0	.9	.5	.7	.5
350.	*	.0	.0	.0	.2	.0	.1	.0	.0	.8	.6	1.1	.9	.6	.5	.4
355.	*	.0	.0	.0	.2	.1	.1	.0	.0	.8	.7	1.1	.5	.5	.4	.4
360.	*	.0	.0	.0	.2	.1	.1	.0	.0	.7	.6	1.0	.3	.5	.4	.5
MAX	*	.4	.7	1.2	.8	.3	.3	.2	.3	.9	.9	1.1	1.0	.7	.8	.6
DEGR.	*	180	275	260	255	240	290	285	245	295	40	280	295	320	335	135

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 260 DEGREES FROM REC3 .
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 280 DEGREES FROM REC11.
THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 295 DEGREES FROM REC12.

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S11 Lom & 895 NB2021PM                  60.0321.0.0000.000150.30480000    1    1
SE MID                    1035.      979.        5.
SE 164                     878.     1161.        5.
SE 82                      816.     1232.        5.
SE CORN                    786.     1282.        5.
SE PATH                    939.     1340.        5.
SE PATH2                   969.     1448.        5.
SE PATH3                  1076.     1540.        5.
NE BUILD                   752.     1712.        5.
WS MID                     264.     1096.        5.
WS 164                     535.     1124.        5.
WS 82                      614.     1157.        5.
SW CORN                    701.     1193.        5.
SW 82                      764.     1135.        5.
SW 164                     823.     1075.        5.
SW MID                     954.      904.        5.
Site 11 NO BUILD 2021 PM                 53  1   0
  1
NB        BAY       AG  1129.   353.  1038.   889.    885. 8.1  0. 44.   30.
  1
NB        BAY       AG  1038.   889.   953.  1041.    885. 8.1  0. 44.   30.
  1
NB        BAYTR     AG   953.  1041.   726.  1293.    575. 8.1  0. 44.   30.
  2
NB        BAY TR    AG   765.  1250.   885.  1116.      0. 24.   2
       110        65         3  575   43.6 1724 1 3
  1
NB        BAYL      AG   953.  1041.   715.  1265.    310. 8.1  0. 32.   30.
  2
NB        BAY L     AG   749.  1233.   844.  1144.      0. 12.   1
       110        65         3  310   43.6 1783 1 3
  1
NB        ONRAMP    AG   726.  1293.   482.  1533.    880. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   482.  1533.   416.  1664.    880. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   416.  1664.   406.  1817.    880. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   406.  1817.   452.  1991.    880. 8.1  0. 32.   30.
  1
NB        ONRAMP    AG   452.  1991.   545.  2180.    880. 8.1  0. 32.   30.
  1
SB        OFFRAMP   BR    29.  1061.   133.  1356.    270. 8.1 15. 32.   30.
  1
SB        OFFRAMP   AG   133.  1356.   175.  1422.    270. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   175.  1422.   251.  1480.    270. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   251.  1480.   338.  1504.    270. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   338.  1504.   418.  1498.    270. 8.1  0. 32.   30.
  1
SB        OFFRAMP   AG   418.  1498.   490.  1467.    270. 8.1  0. 32.   30.
  1
SB        OFFRAMPTR AG   490.  1467.   680.  1267.    135. 8.1  0. 32.   30.
  2
SB        OFFRAMP TRAG   653.  1295.   544.  1410.      0. 24.   2
       110       105         3  135   43.6 1607 1 3
  1
SB        OFFRAMPL  AG   490.  1467.   689.  1289.    135. 8.1  0. 32.   30.
  2
SB        OFFRAMP L AG   666.  1309.   575.  1390.      0. 12.   1
       110       105         3  135   43.6 1783 1 3
  1
SB        BAYVIEW   AG   680.  1267.   893.  1041.    455. 8.1  0. 44.   30.
  1
SB        BAYVIEW   AG   893.  1041.   978.   907.    455. 8.1  0. 44.   30.
  1
SB        BAYVIEW   AG   978.   907.  1014.   809.    455. 8.1  0. 44.   30.
  1
SB        BAYVIEW   AG  1014.   809.  1096.   305.    455. 8.1  0. 44.   30.
  1
EB        LOMBARD   AG  -284.  1108.   195.  1135.   1500. 8.1  0. 56.   30.
  1
EB        LOMBARD   AG   195.  1135.   395.  1128.   1500. 8.1  0. 56.   30.
  1
EB        LOMBARD   AG   395.  1128.   543.  1158.   1500. 8.1  0. 56.   30.
  1
EB        LOMB TR   AG   543.  1158.   709.  1252.   1155. 8.1  0. 56.   30.
  2
EB        LOMB TR   AG   661.  1225.   566.  1171.      0. 36.   3
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       110        75         3 1155   43.6 1783 1 3
  1
EB        LOMB L    AG   395.  1128.   489.  1163.    345. 8.1  0. 32.   30.
  1
EB        LOMB L    AG   489.  1163.   683.  1250.    345. 8.1  0. 32.   30.
  2
EB        LOMB L    AG   657.  1238.   592.  1209.      0. 12.   1
       110        68         3  345   43.6  815 1 3
  1
EB        LOMB D    AG   709.  1252.   833.  1403.   1045. 8.1  0. 44.   30.
  1
EB        LOMB D    AG   833.  1403.  1240.  2138.   1045. 8.1  0. 44.   30.
  1
WB        LOMB      AG  1218.  2138.   847.  1505.    375. 8.1  0. 44.   30.
  1
WB        LOMB TR   AG   847.  1505.   703.  1289.    345. 8.1  0. 44.   30.
  2
WB        LOMB TR   AG   735.  1337.   800.  1435.      0. 24.   2
       110        75         3  345   43.6 1723 1 3
  1
WB        LOMB L    AG   847.  1505.   833.  1451.     30. 8.1  0. 32.   30.
  1
WB        LOMB L    AG   833.  1451.   740.  1306.     30. 8.1  0. 32.   30.
  2
WB        LOMB L    AG   751.  1323.   802.  1402.      0. 12.   1
       110        68         3   30   43.6  558 1 3
  1
WB        LOMB D    AG   703.  1289.   546.  1205.    650. 8.1  0. 44.   30.
  1
WB        LOMB D    AG   546.  1205.   438.  1177.    650. 8.1  0. 44.   30.
  1
WB        LOMB D    AG   438.  1177.  -303.  1137.    650. 8.1  0. 44.   30.
  1
EB        895       BR     3.   552.     4.   959.   3240. 9.3 15. 44.   60.
  1
EB        895       BR     4.   959.    73.  1319.   3240. 9.3 15. 44.   60.
  1
EB        895       BR    73.  1319.   187.  1597.   3240. 9.3 15. 44.   60.
  1
EB        895       AG   187.  1597.   601.  2305.   3240. 9.3  0. 44.   60.
  1
WB        895       AG   536.  2277.   101.  1488.   2840. 9.3  0. 44.   60.
  1
WB        895       BR   101.  1488.    25.  1253.   2840. 9.3 15. 44.   60.
  1
WB        895       BR    25.  1253.   -22.   994.   2840. 9.3 15. 44.   60.
  1
WB        895       BR   -22.   994.   -33.   804.   2840. 9.3 15. 44.   60.
  1
WB        895       AG   -33.   804.   -30.   536.   2840. 9.3  0. 44.   60.
1.0   04  1000   0Y  5  0 72
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JOB: S11 Lom & 895 NB2021PM RUN: Site 11 NO BUILD 2021 PM
DATE: 09/07/2012 TIME: 13:15:42.50

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	BAY	*	1129.0	353.0	1038.0	889.0	*	544.	350.	AG	885.	8.1	.0	44.0		
2. NB	BAY	*	1038.0	889.0	953.0	1041.0	*	174.	331.	AG	885.	8.1	.0	44.0		
3. NB	BAYTR	*	953.0	1041.0	726.0	1293.0	*	339.	318.	AG	575.	8.1	.0	44.0		
4. NB	BAY TR	*	765.0	1250.0	833.1	1174.0	*	102.	138.	AG	138.	100.0	.0	24.0	.43	5.2
5. NB	BAYL	*	953.0	1041.0	715.0	1265.0	*	327.	313.	AG	310.	8.1	.0	32.0		
6. NB	BAY L	*	749.0	1233.0	829.4	1157.7	*	110.	133.	AG	69.	100.0	.0	12.0	.45	5.6
7. NB	ONRAMP	*	726.0	1293.0	482.0	1533.0	*	342.	315.	AG	880.	8.1	.0	32.0		
8. NB	ONRAMP	*	482.0	1533.0	416.0	1664.0	*	147.	333.	AG	880.	8.1	.0	32.0		
9. NB	ONRAMP	*	416.0	1664.0	406.0	1817.0	*	153.	356.	AG	880.	8.1	.0	32.0		
10. NB	ONRAMP	*	406.0	1817.0	452.0	1991.0	*	180.	15.	AG	880.	8.1	.0	32.0		
11. NB	ONRAMP	*	452.0	1991.0	545.0	2180.0	*	211.	26.	AG	880.	8.1	.0	32.0		
12. SB	OFFRAMP	*	29.0	1061.0	133.0	1356.0	*	313.	19.	BR	270.	8.1	15.0	32.0		
13. SB	OFFRAMP	*	133.0	1356.0	175.0	1422.0	*	78.	32.	AG	270.	8.1	.0	32.0		
14. SB	OFFRAMP	*	175.0	1422.0	251.0	1480.0	*	96.	53.	AG	270.	8.1	.0	32.0		
15. SB	OFFRAMP	*	251.0	1480.0	338.0	1504.0	*	90.	75.	AG	270.	8.1	.0	32.0		
16. SB	OFFRAMP	*	338.0	1504.0	418.0	1498.0	*	80.	94.	AG	270.	8.1	.0	32.0		
17. SB	OFFRAMP	*	418.0	1498.0	490.0	1467.0	*	78.	113.	AG	270.	8.1	.0	32.0		
18. SB	OFFRAMPTR	*	490.0	1467.0	680.0	1267.0	*	276.	136.	AG	135.	8.1	.0	32.0		
19. SB	OFFRAMP TR	*	653.0	1295.0	400.8	1561.1	*	367.	317.	AG	223.	100.0	.0	24.0	1.72	18.6
20. SB	OFFRAMPL	*	490.0	1467.0	689.0	1289.0	*	267.	132.	AG	135.	8.1	.0	32.0		
21. SB	OFFRAMP L	*	666.0	1309.0	-143.6	2029.6	*	1084.	312.	AG	112.	100.0	.0	12.0	3.14	55.1
22. SB	BAYVIEW	*	680.0	1267.0	893.0	1041.0	*	311.	137.	AG	455.	8.1	.0	44.0		
23. SB	BAYVIEW	*	893.0	1041.0	978.0	907.0	*	159.	148.	AG	455.	8.1	.0	44.0		
24. SB	BAYVIEW	*	978.0	907.0	1014.0	809.0	*	104.	160.	AG	455.	8.1	.0	44.0		
25. SB	BAYVIEW	*	1014.0	809.0	1096.0	305.0	*	511.	171.	AG	455.	8.1	.0	44.0		
26. EB	LOMBARD	*	-284.0	1108.0	195.0	1135.0	*	480.	87.	AG	1500.	8.1	.0	56.0		
27. EB	LOMBARD	*	195.0	1135.0	395.0	1128.0	*	200.	92.	AG	1500.	8.1	.0	56.0		
28. EB	LOMBARD	*	395.0	1128.0	543.0	1158.0	*	151.	79.	AG	1500.	8.1	.0	56.0		
29. EB	LOMB TR	*	543.0	1158.0	709.0	1252.0	*	191.	60.	AG	1155.	8.1	.0	56.0		
30. EB	LOMB TR	*	661.0	1225.0	523.7	1147.0	*	158.	240.	AG	239.	100.0	.0	36.0	.73	8.0
31. EB	LOMB L	*	395.0	1128.0	489.0	1163.0	*	100.	70.	AG	345.	8.1	.0	32.0		
32. EB	LOMB L	*	489.0	1163.0	683.0	1250.0	*	213.	66.	AG	345.	8.1	.0	32.0		
33. EB	LOMB L	*	657.0	1238.0	-8.2	941.2	*	728.	246.	AG	72.	100.0	.0	12.0	1.17	37.0
34. EB	LOMB D	*	709.0	1252.0	833.0	1403.0	*	195.	39.	AG	1045.	8.1	.0	44.0		
35. EB	LOMB D	*	833.0	1403.0	1240.0	2138.0	*	840.	29.	AG	1045.	8.1	.0	44.0		
36. WB	LOMB	*	1218.0	2138.0	847.0	1505.0	*	734.	210.	AG	375.	8.1	.0	44.0		
37. WB	LOMB TR	*	847.0	1505.0	703.0	1289.0	*	260.	214.	AG	345.	8.1	.0	44.0		
38. WB	LOMB TR	*	735.0	1337.0	774.0	1395.8	*	71.	34.	AG	159.	100.0	.0	24.0	.34	3.6
39. WB	LOMB L	*	847.0	1505.0	833.0	1451.0	*	56.	195.	AG	30.	8.1	.0	32.0		
40. WB	LOMB L	*	833.0	1451.0	740.0	1306.0	*	172.	213.	AG	30.	8.1	.0	32.0		
41. WB	LOMB L	*	751.0	1323.0	757.1	1332.4	*	11.	33.	AG	72.	100.0	.0	12.0	.15	.6
42. WB	LOMB D	*	703.0	1289.0	546.0	1205.0	*	178.	242.	AG	650.	8.1	.0	44.0		
43. WB	LOMB D	*	546.0	1205.0	438.0	1177.0	*	112.	255.	AG	650.	8.1	.0	44.0		
44. WB	LOMB D	*	438.0	1177.0	-303.0	1137.0	*	742.	267.	AG	650.	8.1	.0	44.0		

JOB: S11 Lom & 895 NB2021PM RUN: Site 11 NO BUILD 2021 PM
DATE: 09/07/2012 TIME: 13:15:42.50

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. EB	895	*	3.0	552.0	4.0	959.0	*	407.	0.	BR	3240.	9.3	15.0	44.0		
46. EB	895	*	4.0	959.0	73.0	1319.0	*	367.	11.	BR	3240.	9.3	15.0	44.0		
47. EB	895	*	73.0	1319.0	187.0	1597.0	*	300.	22.	BR	3240.	9.3	15.0	44.0		
48. EB	895	*	187.0	1597.0	601.0	2305.0	*	820.	30.	AG	3240.	9.3	.0	44.0		
49. WB	895	*	536.0	2277.0	101.0	1488.0	*	901.	209.	AG	2840.	9.3	.0	44.0		
50. WB	895	*	101.0	1488.0	25.0	1253.0	*	247.	198.	BR	2840.	9.3	15.0	44.0		
51. WB	895	*	25.0	1253.0	-22.0	994.0	*	263.	190.	BR	2840.	9.3	15.0	44.0		
52. WB	895	*	-22.0	994.0	-33.0	804.0	*	190.	183.	BR	2840.	9.3	15.0	44.0		
53. WB	895	*	-33.0	804.0	-30.0	536.0	*	268.	179.	AG	2840.	9.3	.0	44.0		

JOB: S11 Lom & 895 NB2021PM RUN: Site 11 NO BUILD 2021 PM
DATE: 09/07/2012 TIME: 13:15:42.50

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. NB	BAY TR	*	110	65	.3	575	1724	43.60	1	3

6. NB	BAY L	*	110	65	.3	310	1783	43.60	1	3
19. SB	OFFRAMP TR	*	110	105	.3	135	1607	43.60	1	3
21. SB	OFFRAMP L	*	110	105	.3	135	1783	43.60	1	3
30. EB	LOMB TR	*	110	75	.3	1155	1783	43.60	1	3
33. EB	LOMB L	*	110	68	.3	345	815	43.60	1	3
38. WB	LOMB TR	*	110	75	.3	345	1723	43.60	1	3
41. WB	LOMB L	*	110	68	.3	30	558	43.60	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID	1035.0	979.0	5.0
2. SE 164	878.0	1161.0	5.0
3. SE 82	816.0	1232.0	5.0
4. SE CORN	786.0	1282.0	5.0
5. SE PATH	939.0	1340.0	5.0
6. SE PATH2	969.0	1448.0	5.0
7. SE PATH3	1076.0	1540.0	5.0
8. NE BUILD	752.0	1712.0	5.0
9. WS MID	264.0	1096.0	5.0
10. WS 164	535.0	1124.0	5.0
11. WS 82	614.0	1157.0	5.0
12. SW CORN	701.0	1193.0	5.0
13. SW 82	764.0	1135.0	5.0
14. SW 164	823.0	1075.0	5.0
15. SW MID	954.0	904.0	5.0

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JOB: S11 Lom & 895 NB2021PM RUN: Site 11 NO BUILD 2021 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
0.	.0	.1	.2	.3	.1	.1	.1	.0	1.0	1.8	1.7	.5	.5	.4	.3
5.	.0	.1	.2	.4	.1	.1	.1	.0	.9	1.7	1.6	.5	.5	.4	.3
10.	.0	.1	.2	.3	.1	.1	.1	.0	.7	1.7	1.4	.5	.6	.4	.2
15.	.0	.1	.1	.3	.1	.1	.1	.0	.6	1.7	1.3	.5	.7	.4	.2
20.	.0	.1	.1	.4	.1	.1	.0	.0	.7	1.7	1.3	.6	.6	.3	.2
25.	.0	.0	.1	.3	.1	.1	.0	.0	.6	1.6	1.4	.7	.6	.3	.2
30.	.0	.0	.1	.3	.0	.1	.0	.0	.5	1.7	1.1	.7	.6	.2	.2
35.	.0	.0	.1	.2	.0	.0	.0	.0	.6	1.8	1.0	.5	.6	.2	.2
40.	.0	.0	.0	.2	.0	.0	.0	.0	.6	1.8	.9	.5	.5	.2	.2
45.	.0	.0	.0	.1	.0	.0	.0	.0	.6	1.7	.8	.5	.5	.2	.2
50.	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.5	.5	.4	.4	.2	.2
55.	.0	.0	.0	.0	.0	.0	.0	.1	.6	1.2	.4	.3	.4	.2	.2
60.	.0	.0	.0	.0	.0	.0	.0	.1	.9	.8	.4	.4	.4	.2	.2
65.	.0	.0	.0	.0	.0	.0	.0	.1	.8	.7	.2	.4	.4	.2	.2
70.	.0	.0	.0	.0	.0	.0	.0	.1	.7	.4	.2	.5	.3	.2	.2
75.	.0	.0	.0	.0	.0	.0	.0	.1	.7	.3	.1	.5	.2	.2	.2
80.	.0	.0	.0	.0	.0	.0	.0	.1	.7	.2	.1	.5	.2	.2	.3
85.	.0	.0	.0	.0	.0	.0	.0	.1	.7	.1	.1	.4	.2	.2	.3
90.	.0	.0	.0	.0	.0	.0	.0	.1	.6	.0	.0	.4	.2	.2	.3
95.	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0	.0	.4	.2	.2	.3
100.	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.4	.2	.2	.3
105.	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.4	.2	.2	.3
110.	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.2	.2	.2	.2
115.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2	.2	.2	.2
120.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2	.1	.3	.2
125.	.0	.1	.1	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	.3	.2
130.	.0	.1	.1	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	.3	.2
135.	.0	.1	.1	.1	.0	.0	.0	.1	.1	.0	.0	.1	.1	.3	.2
140.	.0	.2	.3	.2	.0	.0	.0	.1	.1	.0	.0	.0	.1	.2	.2
145.	.0	.3	.3	.2	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	.2
150.	.1	.4	.4	.3	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	.3
155.	.1	.5	.5	.4	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.3
160.	.2	.5	.5	.5	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.3
165.	.2	.3	.7	.7	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.3
170.	.3	.3	.8	.7	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.3
175.	.3	.3	.8	.6	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
180.	.4	.3	.9	.6	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
185.	.3	.4	.9	.6	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
190.	.3	.4	.9	.6	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
195.	.3	.4	.9	.5	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0
200.	.2	.4	.8	.5	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0
205.	.2	.3	.8	.5	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0

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JOB: S11 Lom & 895 NB2021PM RUN: Site 11 NO BUILD 2021 PM

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15

210.	*	.2	.3	.8	.5	.0	.0	.0	.1	.5	.0	.0	.0	.0	.0	.0
215.	*	.2	.3	.8	.3	.1	.0	.0	.1	.5	.0	.0	.0	.0	.0	.0
220.	*	.2	.4	.8	.5	.1	.0	.0	.1	.6	.1	.0	.0	.0	.0	.0
225.	*	.2	.4	.9	.5	.1	.2	.0	.2	.6	.2	.1	.0	.0	.0	.0
230.	*	.2	.4	.9	.8	.1	.2	.0	.2	.6	.2	.2	.1	.0	.0	.0
235.	*	.2	.4	1.1	.8	.3	.2	.0	.3	.5	.3	.4	.2	.1	.0	.0
240.	*	.3	.4	1.0	1.0	.4	.2	.1	.3	.4	.2	.4	.4	.1	.1	.0
245.	*	.3	.4	1.2	1.0	.3	.4	.2	.3	.5	.4	.6	.6	.1	.1	.0
250.	*	.3	.4	1.2	1.1	.5	.4	.2	.2	.6	.7	.9	.8	.1	.1	.0
255.	*	.4	.3	1.4	.9	.3	.4	.2	.3	.5	.8	.9	1.0	.1	.1	.1
260.	*	.4	.6	1.5	1.0	.4	.2	.2	.3	.4	.8	1.4	1.3	.4	.1	.1
265.	*	.3	.9	1.4	.8	.3	.4	.3	.2	.7	.9	1.5	1.4	.5	.1	.1
270.	*	.3	1.0	1.5	.9	.6	.4	.3	.2	.9	1.0	1.5	1.3	.7	.1	.1
275.	*	.4	.9	1.1	1.0	.6	.5	.3	.2	.9	1.0	1.7	1.3	.6	.2	.0
280.	*	.4	.9	1.1	1.0	.6	.4	.3	.2	1.0	1.0	1.6	1.4	.6	.3	.1
285.	*	.2	1.0	1.1	.8	.7	.5	.3	.3	1.0	1.0	1.5	1.3	.7	.2	.1
290.	*	.3	1.1	1.2	1.0	.6	.4	.3	.3	.9	1.0	1.4	1.1	.6	.3	.1
295.	*	.3	1.2	1.1	1.2	.5	.3	.3	.3	.9	.9	1.5	1.0	.5	.3	.0
300.	*	.5	1.1	1.2	1.1	.5	.3	.3	.3	1.0	1.0	1.4	1.1	.6	.3	.1
305.	*	.5	1.3	.9	1.1	.3	.3	.3	.3	.9	.9	1.3	1.2	.7	.6	.1
310.	*	.6	1.0	.9	.9	.3	.3	.3	.3	1.0	1.0	1.4	1.2	.6	.6	.2
315.	*	.6	1.0	.8	.8	.3	.3	.3	.3	.9	.9	1.6	1.1	.8	.7	.5
320.	*	.5	.8	.8	.8	.3	.3	.3	.3	.7	1.0	1.6	1.1	.9	.7	.5
325.	*	.3	.6	.7	.6	.3	.3	.2	.2	.7	1.3	1.6	1.2	.8	.6	.5
330.	*	.2	.5	.4	.6	.3	.3	.1	.2	.8	1.2	1.6	1.1	.8	.8	.5
335.	*	.1	.3	.4	.6	.3	.2	.1	.2	.8	1.4	1.7	1.1	.8	.9	.4
340.	*	.1	.3	.4	.6	.2	.1	.1	.2	.8	1.5	1.7	1.0	.6	.8	.4
345.	*	.0	.2	.3	.7	.1	.1	.1	.1	.9	1.6	1.7	1.0	.6	.8	.3
350.	*	.0	.0	.3	.5	.1	.1	.1	.1	.7	1.7	1.8	.9	.5	.6	.4
355.	*	.0	.1	.1	.4	.1	.1	.1	.0	.8	1.8	1.8	.8	.5	.5	.3
360.	*	.0	.1	.2	.3	.1	.1	.1	.0	1.0	1.8	1.7	.5	.5	.4	.3
MAX	*	.6	1.3	1.5	1.2	.7	.5	.3	.3	1.0	1.8	1.8	1.4	.9	.9	.5
DEGR.	*	310	305	260	295	285	275	265	235	0	0	350	265	320	335	315

THE HIGHEST CONCENTRATION IS 1.80 PPM AT 0 DEGREES FROM REC10.
THE 2ND HIGHEST CONCENTRATION IS 1.80 PPM AT 350 DEGREES FROM REC11.
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 260 DEGREES FROM REC3 .

```
S11 Lom & 895 NB2035AM                  60.0321.0.0000.000150.30480000    1    1
SE MID                    1035.      979.        5.
SE 164                     878.     1161.        5.
SE 82                      816.     1232.        5.
SE CORN                    786.     1282.        5.
SE PATH                    939.     1340.        5.
SE PATH2                   969.     1448.        5.
SE PATH3                  1076.     1540.        5.
NE BUILD                   752.     1712.        5.
WS MID                     264.     1096.        5.
WS 164                     535.     1124.        5.
WS 82                      614.     1157.        5.
SW CORN                    701.     1193.        5.
SW 82                      764.     1135.        5.
SW 164                     823.     1075.        5.
SW MID                     954.      904.        5.
Site 11 NO BUILD 2035 AM                53  1   0
  1
NB        BAY       AG  1129.   353.  1038.   889.    630. 7.8  0. 44.   30.
  1
NB        BAY       AG  1038.   889.   953.  1041.    630. 7.8  0. 44.   30.
  1
NB        BAYTR     AG   953.  1041.   726.  1293.    370. 7.8  0. 44.   30.
  2
NB        BAY TR    AG   765.  1250.   885.  1116.      0. 24.   2
       110        88         3  370   42.1 1726 1 3
  1
NB        BAYL      AG   953.  1041.   715.  1265.    260. 7.8  0. 32.   30.
  2
NB        BAY L     AG   749.  1233.   844.  1144.      0. 12.   1
       110        88         3  260   42.1 1783 1 3
  1
NB        ONRAMP    AG   726.  1293.   482.  1533.    535. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   482.  1533.   416.  1664.    535. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   416.  1664.   406.  1817.    535. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   406.  1817.   452.  1991.    535. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   452.  1991.   545.  2180.    535. 7.8  0. 32.   30.
  1
SB        OFFRAMP   BR    29.  1061.   133.  1356.    440. 7.8 15. 32.   30.
  1
SB        OFFRAMP   AG   133.  1356.   175.  1422.    440. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   175.  1422.   251.  1480.    440. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   251.  1480.   338.  1504.    440. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   338.  1504.   418.  1498.    440. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   418.  1498.   490.  1467.    440. 7.8  0. 32.   30.
  1
SB        OFFRAMPTR AG   490.  1467.   680.  1267.    350. 7.8  0. 32.   30.
  2
SB        OFFRAMP TRAG   653.  1295.   544.  1410.      0. 24.   2
       110        89         3  350   42.1 1726 1 3
  1
SB        OFFRAMPL  AG   490.  1467.   689.  1289.     90. 7.8  0. 32.   30.
  2
SB        OFFRAMP L AG   666.  1309.   575.  1390.      0. 12.   1
       110        89         3   90   42.1 1783 1 3
  1
SB        BAYVIEW   AG   680.  1267.   893.  1041.   1475. 7.8  0. 44.   30.
  1
SB        BAYVIEW   AG   893.  1041.   978.   907.   1475. 7.8  0. 44.   30.
  1
SB        BAYVIEW   AG   978.   907.  1014.   809.   1475. 7.8  0. 44.   30.
  1
SB        BAYVIEW   AG  1014.   809.  1096.   305.   1475. 7.8  0. 44.   30.
  1
EB        LOMBARD   AG  -284.  1108.   195.  1135.   1640. 7.8  0. 56.   30.
  1
EB        LOMBARD   AG   195.  1135.   395.  1128.   1640. 7.8  0. 56.   30.
  1
EB        LOMBARD   AG   395.  1128.   543.  1158.   1640. 7.8  0. 56.   30.
  1
EB        LOMB TR   AG   543.  1158.   709.  1252.   1410. 7.8  0. 56.   30.
  2
EB        LOMB TR   AG   661.  1225.   566.  1171.      0. 36.   3
```

```
       110        53         3 1410   42.1 1720 1 3
  1
EB        LOMB L    AG   395.  1128.   489.  1163.    230. 7.8  0. 32.   30.
  1
EB        LOMB L    AG   489.  1163.   683.  1250.    230. 7.8  0. 32.   30.
  2
EB        LOMB L    AG   657.  1238.   592.  1209.      0. 12.   1
       110        45         3  230   42.1  880 1 3
  1
EB        LOMB D    AG   709.  1252.   833.  1403.    575. 7.8  0. 44.   30.
  1
EB        LOMB D    AG   833.  1403.  1240.  2138.    575. 7.8  0. 44.   30.
  1
WB        LOMB      AG  1218.  2138.   847.  1505.    510. 7.8  0. 44.   30.
  1
WB        LOMB TR   AG   847.  1505.   703.  1289.    315. 7.8  0. 44.   30.
  2
WB        LOMB TR   AG   735.  1337.   800.  1435.      0. 24.   2
       110        56         3  315   42.1 1757 1 3
  1
WB        LOMB L    AG   847.  1505.   833.  1451.    195. 7.8  0. 32.   30.
  1
WB        LOMB L    AG   833.  1451.   740.  1306.    195. 7.8  0. 32.   30.
  2
WB        LOMB L    AG   751.  1323.   802.  1402.      0. 12.   1
       110        51         3  195   42.1  953 1 3
  1
WB        LOMB D    AG   703.  1289.   546.  1205.    635. 7.8  0. 44.   30.
  1
WB        LOMB D    AG   546.  1205.   438.  1177.    635. 7.8  0. 44.   30.
  1
WB        LOMB D    AG   438.  1177.  -303.  1137.    635. 7.8  0. 44.   30.
  1
EB        895       BR     3.   552.     4.   959.   2225. 9.1 15. 44.   60.
  1
EB        895       BR     4.   959.    73.  1319.   2225. 9.1 15. 44.   60.
  1
EB        895       BR    73.  1319.   187.  1597.   2225. 9.1 15. 44.   60.
  1
EB        895       AG   187.  1597.   601.  2305.   2225. 9.1  0. 44.   60.
  1
WB        895       AG   536.  2277.   101.  1488.   3250. 9.1  0. 44.   60.
  1
WB        895       BR   101.  1488.    25.  1253.   3250. 9.1 15. 44.   60.
  1
WB        895       BR    25.  1253.   -22.   994.   3250. 9.1 15. 44.   60.
  1
WB        895       BR   -22.   994.   -33.   804.   3250. 9.1 15. 44.   60.
  1
WB        895       AG   -33.   804.   -30.   536.   3250. 9.1  0. 44.   60.
1.0   04  1000   0Y  5  0 72
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JOB: S11 Lom & 895 NB2035AM RUN: Site 11 NO BUILD 2035 AM
DATE: 09/07/2012 TIME: 13:16:22.04

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION			LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	BAY	*	1129.0	353.0	1038.0	889.0	544.	350.	AG	630.	7.8	.0	44.0		
2. NB	BAY	*	1038.0	889.0	953.0	1041.0	174.	331.	AG	630.	7.8	.0	44.0		
3. NB	BAYTR	*	953.0	1041.0	726.0	1293.0	339.	318.	AG	370.	7.8	.0	44.0		
4. NB	BAY TR	*	765.0	1250.0	824.4	1183.7	89.	138.	AG	181.	100.0	.0	24.0	.60	4.5
5. NB	BAYL	*	953.0	1041.0	715.0	1265.0	327.	313.	AG	260.	7.8	.0	32.0		
6. NB	BAY L	*	749.0	1233.0	851.6	1136.9	141.	133.	AG	90.	100.0	.0	12.0	.82	7.1
7. NB	ONRAMP	*	726.0	1293.0	482.0	1533.0	342.	315.	AG	535.	7.8	.0	32.0		
8. NB	ONRAMP	*	482.0	1533.0	416.0	1664.0	147.	333.	AG	535.	7.8	.0	32.0		
9. NB	ONRAMP	*	416.0	1664.0	406.0	1817.0	153.	356.	AG	535.	7.8	.0	32.0		
10. NB	ONRAMP	*	406.0	1817.0	452.0	1991.0	180.	15.	AG	535.	7.8	.0	32.0		
11. NB	ONRAMP	*	452.0	1991.0	545.0	2180.0	211.	26.	AG	535.	7.8	.0	32.0		
12. SB	OFFRAMP	*	29.0	1061.0	133.0	1356.0	313.	19.	BR	440.	7.8	15.0	32.0		
13. SB	OFFRAMP	*	133.0	1356.0	175.0	1422.0	78.	32.	AG	440.	7.8	.0	32.0		
14. SB	OFFRAMP	*	175.0	1422.0	251.0	1480.0	96.	53.	AG	440.	7.8	.0	32.0		
15. SB	OFFRAMP	*	251.0	1480.0	338.0	1504.0	90.	75.	AG	440.	7.8	.0	32.0		
16. SB	OFFRAMP	*	338.0	1504.0	418.0	1498.0	80.	94.	AG	440.	7.8	.0	32.0		
17. SB	OFFRAMP	*	418.0	1498.0	490.0	1467.0	78.	113.	AG	440.	7.8	.0	32.0		
18. SB	OFFRAMPTR	*	490.0	1467.0	680.0	1267.0	276.	136.	AG	350.	7.8	.0	32.0		
19. SB	OFFRAMP TR	*	653.0	1295.0	594.4	1356.8	85.	317.	AG	183.	100.0	.0	24.0	.60	4.3
20. SB	OFFRAMPL	*	490.0	1467.0	689.0	1289.0	267.	132.	AG	90.	7.8	.0	32.0		
21. SB	OFFRAMP L	*	666.0	1309.0	633.3	1338.1	44.	312.	AG	91.	100.0	.0	12.0	.30	2.2
22. SB	BAYVIEW	*	680.0	1267.0	893.0	1041.0	311.	137.	AG	1475.	7.8	.0	44.0		
23. SB	BAYVIEW	*	893.0	1041.0	978.0	907.0	159.	148.	AG	1475.	7.8	.0	44.0		
24. SB	BAYVIEW	*	978.0	907.0	1014.0	809.0	104.	160.	AG	1475.	7.8	.0	44.0		
25. SB	BAYVIEW	*	1014.0	809.0	1096.0	305.0	511.	171.	AG	1475.	7.8	.0	44.0		
26. EB	LOMBARD	*	-284.0	1108.0	195.0	1135.0	480.	87.	AG	1640.	7.8	.0	56.0		
27. EB	LOMBARD	*	195.0	1135.0	395.0	1128.0	200.	92.	AG	1640.	7.8	.0	56.0		
28. EB	LOMBARD	*	395.0	1128.0	543.0	1158.0	151.	79.	AG	1640.	7.8	.0	56.0		
29. EB	LOMB TR	*	543.0	1158.0	709.0	1252.0	191.	60.	AG	1410.	7.8	.0	56.0		
30. EB	LOMB TR	*	661.0	1225.0	542.6	1157.7	136.	240.	AG	163.	100.0	.0	36.0	.55	6.9
31. EB	LOMB L	*	395.0	1128.0	489.0	1163.0	100.	70.	AG	230.	7.8	.0	32.0		
32. EB	LOMB L	*	489.0	1163.0	683.0	1250.0	213.	66.	AG	230.	7.8	.0	32.0		
33. EB	LOMB L	*	657.0	1238.0	605.3	1214.9	57.	246.	AG	46.	100.0	.0	12.0	.46	2.9
34. EB	LOMB D	*	709.0	1252.0	833.0	1403.0	195.	39.	AG	575.	7.8	.0	44.0		
35. EB	LOMB D	*	833.0	1403.0	1240.0	2138.0	840.	29.	AG	575.	7.8	.0	44.0		
36. WB	LOMB	*	1218.0	2138.0	847.0	1505.0	734.	210.	AG	510.	7.8	.0	44.0		
37. WB	LOMB TR	*	847.0	1505.0	703.0	1289.0	260.	214.	AG	315.	7.8	.0	44.0		
38. WB	LOMB TR	*	735.0	1337.0	761.6	1377.1	48.	34.	AG	115.	100.0	.0	24.0	.19	2.4
39. WB	LOMB L	*	847.0	1505.0	833.0	1451.0	56.	195.	AG	195.	7.8	.0	32.0		
40. WB	LOMB L	*	833.0	1451.0	740.0	1306.0	172.	213.	AG	195.	7.8	.0	32.0		
41. WB	LOMB L	*	751.0	1323.0	780.5	1368.7	54.	33.	AG	52.	100.0	.0	12.0	.40	2.8
42. WB	LOMB D	*	703.0	1289.0	546.0	1205.0	178.	242.	AG	635.	7.8	.0	44.0		
43. WB	LOMB D	*	546.0	1205.0	438.0	1177.0	112.	255.	AG	635.	7.8	.0	44.0		
44. WB	LOMB D	*	438.0	1177.0	-303.0	1137.0	742.	267.	AG	635.	7.8	.0	44.0		

JOB: S11 Lom & 895 NB2035AM RUN: Site 11 NO BUILD 2035 AM
DATE: 09/07/2012 TIME: 13:16:22.04

LINK VARIABLES

LINK DESCRIPTION			LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. EB	895	*	3.0	552.0	4.0	959.0	407.	0.	BR	2225.	9.1	15.0	44.0		
46. EB	895	*	4.0	959.0	73.0	1319.0	367.	11.	BR	2225.	9.1	15.0	44.0		
47. EB	895	*	73.0	1319.0	187.0	1597.0	300.	22.	BR	2225.	9.1	15.0	44.0		
48. EB	895	*	187.0	1597.0	601.0	2305.0	820.	30.	AG	2225.	9.1	.0	44.0		
49. WB	895	*	536.0	2277.0	101.0	1488.0	901.	209.	AG	3250.	9.1	.0	44.0		
50. WB	895	*	101.0	1488.0	25.0	1253.0	247.	198.	BR	3250.	9.1	15.0	44.0		
51. WB	895	*	25.0	1253.0	-22.0	994.0	263.	190.	BR	3250.	9.1	15.0	44.0		
52. WB	895	*	-22.0	994.0	-33.0	804.0	190.	183.	BR	3250.	9.1	15.0	44.0		
53. WB	895	*	-33.0	804.0	-30.0	536.0	268.	179.	AG	3250.	9.1	.0	44.0		

JOB: S11 Lom & 895 NB2035AM RUN: Site 11 NO BUILD 2035 AM
DATE: 09/07/2012 TIME: 13:16:22.04

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION			CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. NB	BAY TR	*	110	88	.3	370	1726	42.10	1	3

6. NB	BAY L	*	110	88	.3	260	1783	42.10	1	3
19. SB	OFFRAMP TR	*	110	89	.3	350	1726	42.10	1	3
21. SB	OFFRAMP L	*	110	89	.3	90	1783	42.10	1	3
30. EB	LOMB TR	*	110	53	.3	1410	1720	42.10	1	3
33. EB	LOMB L	*	110	45	.3	230	880	42.10	1	3
38. WB	LOMB TR	*	110	56	.3	315	1757	42.10	1	3
41. WB	LOMB L	*	110	51	.3	195	953	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID	1035.0	979.0	5.0
2. SE 164	878.0	1161.0	5.0
3. SE 82	816.0	1232.0	5.0
4. SE CORN	786.0	1282.0	5.0
5. SE PATH	939.0	1340.0	5.0
6. SE PATH2	969.0	1448.0	5.0
7. SE PATH3	1076.0	1540.0	5.0
8. NE BUILD	752.0	1712.0	5.0
9. WS MID	264.0	1096.0	5.0
10. WS 164	535.0	1124.0	5.0
11. WS 82	614.0	1157.0	5.0
12. SW CORN	701.0	1193.0	5.0
13. SW 82	764.0	1135.0	5.0
14. SW 164	823.0	1075.0	5.0
15. SW MID	954.0	904.0	5.0

1

JOB: S11 Lom & 895 NB2035AM RUN: Site 11 NO BUILD 2035 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
0.	.0	.0	.0	.1	.1	.2	.1	.0	.8	.9	1.0	.5	.7	.7	.6
5.	.0	.0	.0	.1	.1	.2	.0	.0	.8	.8	.9	.6	.7	.7	.6
10.	.0	.0	.1	.2	.1	.1	.0	.0	.7	.6	.9	.5	.7	.7	.6
15.	.0	.0	.1	.2	.1	.1	.0	.0	.7	.9	1.0	.5	.7	.6	.5
20.	.0	.0	.1	.2	.0	.1	.0	.0	.6	.9	1.0	.5	.6	.5	.5
25.	.0	.0	.1	.2	.0	.0	.0	.0	.5	1.1	1.0	.5	.6	.4	.5
30.	.0	.0	.0	.2	.0	.0	.0	.0	.5	1.0	.9	.6	.6	.3	.5
35.	.0	.0	.0	.1	.0	.0	.0	.0	.5	1.0	.8	.6	.6	.5	.5
40.	.0	.0	.0	.1	.0	.0	.0	.0	.5	1.0	.6	.5	.6	.5	.5
45.	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.1	.7	.5	.7	.4	.5
50.	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.1	.5	.5	.6	.4	.5
55.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.9	.5	.5	.5	.4	.5
60.	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	.5	.6	.5	.3	.6
65.	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.3	.6	.4	.3	.5
70.	.0	.0	.0	.0	.0	.0	.0	.0	.7	.6	.3	.6	.4	.3	.5
75.	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.3	.6	.4	.4	.5
80.	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.6	.5	.4	.5
85.	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2	.6	.5	.4	.5
90.	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.1	.7	.6	.4	.5
95.	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.6	.4	.4	.6
100.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.6	.4	.5	.5
105.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.6	.4	.5	.4
110.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.4	.4	.5
115.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.5	.4	.6
120.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.5	.6	.6
125.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.6
130.	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.6
135.	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.4	.7
140.	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4	.7
145.	.0	.2	.4	.3	.0	.0	.0	.0	.0	.0	.0	.1	.3	.3	.7
150.	.0	.2	.4	.6	.0	.0	.0	.0	.0	.0	.0	.2	.2	.3	.7
155.	.1	.3	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6
160.	.2	.5	.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.6
165.	.2	.5	.9	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5
170.	.3	.5	.7	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
175.	.4	.4	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
180.	.5	.5	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
185.	.4	.5	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
190.	.4	.4	.9	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	.3	.4	.9	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	.3	.4	.9	.7	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0
205.	.2	.4	.9	.7	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0

1

JOB: S11 Lom & 895 NB2035AM RUN: Site 11 NO BUILD 2035 AM

WIND ANGLE (DEGR) * CONCENTRATION (PPM) REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15

210.	*	.3	.4	.9	.6	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0
215.	*	.3	.3	.9	.6	.2	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0
220.	*	.3	.4	.9	.5	.2	.1	.0	.0	.3	.0	.0	.0	.0	.0	.0
225.	*	.3	.4	.9	.6	.2	.1	.0	.0	.3	.2	.0	.0	.0	.0	.0
230.	*	.2	.4	.9	.6	.2	.1	.0	.0	.3	.2	.2	.0	.0	.0	.0
235.	*	.2	.5	.9	.6	.2	.0	.0	.0	.3	.3	.4	.1	.0	.0	.0
240.	*	.3	.5	1.1	.8	.4	.0	.0	.1	.3	.4	.3	.4	.0	.0	.0
245.	*	.3	.5	1.1	.9	.4	.0	.0	.3	.4	.3	.5	.3	.0	.0	.0
250.	*	.3	.5	1.2	.8	.3	.0	.0	.3	.4	.5	.6	.5	.0	.0	.0
255.	*	.3	.5	1.2	.9	.1	.0	.0	.1	.4	.6	.8	.7	.0	.0	.0
260.	*	.3	.6	1.3	.8	.0	.0	.0	.2	.5	.7	1.1	1.0	.1	.0	.0
265.	*	.3	.8	1.4	.8	.1	.1	.0	.2	.6	.9	1.1	1.2	.5	.0	.0
270.	*	.3	.9	1.2	.7	.1	.1	.1	.2	.8	.9	1.2	1.1	.6	.1	.0
275.	*	.3	.9	1.2	.5	.1	.2	.1	.2	.9	.9	1.4	1.0	.5	.1	.0
280.	*	.3	.9	1.0	.5	.0	.2	.1	.2	1.0	.9	1.5	.8	.3	.1	.0
285.	*	.3	1.0	1.0	.5	.1	.2	.2	.2	1.0	1.0	1.0	.8	.4	.2	.0
290.	*	.3	.9	.8	.4	.1	.3	.2	.2	.9	.9	1.0	.9	.3	.3	.1
295.	*	.3	.9	.8	.4	.1	.3	.2	.2	.9	.8	1.1	1.0	.3	.3	.1
300.	*	.3	.8	.7	.4	.2	.3	.2	.2	.9	.8	1.0	.8	.4	.3	.1
305.	*	.4	.7	.7	.4	.2	.3	.2	.2	.8	.7	.9	.7	.4	.4	.1
310.	*	.4	.6	.7	.5	.2	.3	.2	.2	.8	.8	1.0	.8	.4	.5	.3
315.	*	.4	.5	.6	.5	.2	.3	.2	.2	1.0	.7	.9	.8	.6	.6	.4
320.	*	.2	.5	.5	.5	.2	.3	.2	.2	.9	.7	.9	.9	.7	.7	.5
325.	*	.2	.4	.3	.4	.3	.3	.0	.2	.9	.6	1.0	1.0	.7	.7	.6
330.	*	.1	.3	.3	.4	.3	.3	.0	.2	.9	.7	1.0	.9	.8	.9	.7
335.	*	.1	.2	.3	.5	.2	.1	.1	.2	.7	.7	1.0	1.1	.8	.9	.7
340.	*	.0	.2	.3	.5	.1	.1	.1	.2	.7	.7	1.0	1.0	.7	.9	.7
345.	*	.0	.0	.2	.5	.1	.1	.1	.1	.7	.8	1.1	.9	.6	.8	.6
350.	*	.0	.0	.1	.2	.1	.2	.1	.0	.9	.9	1.1	1.0	.7	.7	.6
355.	*	.0	.0	.1	.2	.1	.2	.1	.0	.9	.8	1.1	.7	.7	.7	.5
360.	*	.0	.0	.0	.1	.1	.2	.1	.0	.8	.9	1.0	.5	.7	.7	.6
MAX	*	.5	1.0	1.4	.9	.4	.3	.2	.3	1.0	1.1	1.5	1.2	.8	.9	.7
DEGR.	*	180	285	265	245	240	290	285	245	315	25	280	265	330	330	135

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 280 DEGREES FROM REC11.
THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 265 DEGREES FROM REC3 .
THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 265 DEGREES FROM REC12.

```
S11 Lom & 895 NB2035PM                  60.0321.0.0000.000150.30480000    1    1
SE MID                    1035.      979.        5.
SE 164                     878.     1161.        5.
SE 82                      816.     1232.        5.
SE CORN                    786.     1282.        5.
SE PATH                    939.     1340.        5.
SE PATH2                   969.     1448.        5.
SE PATH3                  1076.     1540.        5.
NE BUILD                   752.     1712.        5.
WS MID                     264.     1096.        5.
WS 164                     535.     1124.        5.
WS 82                      614.     1157.        5.
SW CORN                    701.     1193.        5.
SW 82                      764.     1135.        5.
SW 164                     823.     1075.        5.
SW MID                     954.      904.        5.
Site 11 NO BUILD 2035 PM                53  1   0
  1
NB        BAY       AG  1129.   353.  1038.   889.   1115. 7.8  0. 44.   30.
  1
NB        BAY       AG  1038.   889.   953.  1041.   1115. 7.8  0. 44.   30.
  1
NB        BAYTR     AG   953.  1041.   726.  1293.    665. 7.8  0. 44.   30.
  2
NB        BAY TR    AG   765.  1250.   885.  1116.      0. 24.   2
       110        60         3  665   42.1 1686 1 3
  1
NB        BAYL      AG   953.  1041.   715.  1265.    450. 7.8  0. 32.   30.
  2
NB        BAY L     AG   749.  1233.   844.  1144.      0. 12.   1
       110        60         3  450   42.1 1783 1 3
  1
NB        ONRAMP    AG   726.  1293.   482.  1533.    810. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   482.  1533.   416.  1664.    810. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   416.  1664.   406.  1817.    810. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   406.  1817.   452.  1991.    810. 7.8  0. 32.   30.
  1
NB        ONRAMP    AG   452.  1991.   545.  2180.    810. 7.8  0. 32.   30.
  1
SB        OFFRAMP   BR    29.  1061.   133.  1356.    380. 7.8 15. 32.   30.
  1
SB        OFFRAMP   AG   133.  1356.   175.  1422.    380. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   175.  1422.   251.  1480.    380. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   251.  1480.   338.  1504.    380. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   338.  1504.   418.  1498.    380. 7.8  0. 32.   30.
  1
SB        OFFRAMP   AG   418.  1498.   490.  1467.    380. 7.8  0. 32.   30.
  1
SB        OFFRAMPTR AG   490.  1467.   680.  1267.     90. 7.8  0. 32.   30.
  2
SB        OFFRAMP TRAG   653.  1295.   544.  1410.      0. 24.   2
       110       100         3   90   42.1 1628 1 3
  1
SB        OFFRAMPL  AG   490.  1467.   689.  1289.    290. 7.8  0. 32.   30.
  2
SB        OFFRAMP L AG   666.  1309.   575.  1390.      0. 12.   1
       110       100         3  290   42.1 1783 1 3
  1
SB        BAYVIEW   AG   680.  1267.   893.  1041.    575. 7.8  0. 44.   30.
  1
SB        BAYVIEW   AG   893.  1041.   978.   907.    575. 7.8  0. 44.   30.
  1
SB        BAYVIEW   AG   978.   907.  1014.   809.    575. 7.8  0. 44.   30.
  1
SB        BAYVIEW   AG  1014.   809.  1096.   305.    575. 7.8  0. 44.   30.
  1
EB        LOMBARD   AG  -284.  1108.   195.  1135.   2610. 7.8  0. 56.   30.
  1
EB        LOMBARD   AG   195.  1135.   395.  1128.   2610. 7.8  0. 56.   30.
  1
EB        LOMBARD   AG   395.  1128.   543.  1158.   2610. 7.8  0. 56.   30.
  1
EB        LOMB TR   AG   543.  1158.   709.  1252.   2195. 7.8  0. 56.   30.
  2
EB        LOMB TR   AG   661.  1225.   566.  1171.      0. 36.   3
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       110        70         3 2195   42.1 1720 1 3
  1
EB        LOMB L    AG   395.  1128.   489.  1163.    415. 7.8  0. 32.   30.
  1
EB        LOMB L    AG   489.  1163.   683.  1250.    415. 7.8  0. 32.   30.
  2
EB        LOMB L    AG   657.  1238.   592.  1209.      0. 12.   1
       110        65         3  415   42.1  713 1 3
  1
EB        LOMB D    AG   709.  1252.   833.  1403.   2300. 7.8  0. 44.   30.
  1
EB        LOMB D    AG   833.  1403.  1240.  2138.   2300. 7.8  0. 44.   30.
  1
WB        LOMB      AG  1218.  2138.   847.  1505.    375. 7.8  0. 44.   30.
  1
WB        LOMB TR   AG   847.  1505.   703.  1289.    375. 7.8  0. 44.   30.
  2
WB        LOMB TR   AG   735.  1337.   800.  1435.      0. 24.   2
       110        70         3  375   42.1 1716 1 3
  1
WB        LOMB L    AG   847.  1505.   833.  1451.     45. 7.8  0. 32.   30.
  1
WB        LOMB L    AG   833.  1451.   740.  1306.     45. 7.8  0. 32.   30.
  2
WB        LOMB L    AG   751.  1323.   802.  1402.      0. 12.   1
       110        65         3   45   42.1  215 1 3
  1
WB        LOMB D    AG   703.  1289.   546.  1205.    795. 7.8  0. 44.   30.
  1
WB        LOMB D    AG   546.  1205.   438.  1177.    795. 7.8  0. 44.   30.
  1
WB        LOMB D    AG   438.  1177.  -303.  1137.    795. 7.8  0. 44.   30.
  1
EB        895       BR     3.   552.     4.   959.   3400. 9.1 15. 44.   60.
  1
EB        895       BR     4.   959.    73.  1319.   3400. 9.1 15. 44.   60.
  1
EB        895       BR    73.  1319.   187.  1597.   3400. 9.1 15. 44.   60.
  1
EB        895       AG   187.  1597.   601.  2305.   3400. 9.1  0. 44.   60.
  1
WB        895       AG   536.  2277.   101.  1488.   2775. 9.1  0. 44.   60.
  1
WB        895       BR   101.  1488.    25.  1253.   2775. 9.1 15. 44.   60.
  1
WB        895       BR    25.  1253.   -22.   994.   2775. 9.1 15. 44.   60.
  1
WB        895       BR   -22.   994.   -33.   804.   2775. 9.1 15. 44.   60.
  1
WB        895       AG   -33.   804.   -30.   536.   2775. 9.1  0. 44.   60.
1.0   04  1000   0Y  5  0 72
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JOB: S11 Lom & 895 NB2035PM RUN: Site 11 NO BUILD 2035 PM
DATE: 09/07/2012 TIME: 13:16:40.99

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION			LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	BAY	*	1129.0	353.0	1038.0	889.0	544.	350.	AG	1115.	7.8	.0	44.0		
2. NB	BAY	*	1038.0	889.0	953.0	1041.0	174.	331.	AG	1115.	7.8	.0	44.0		
3. NB	BAYTR	*	953.0	1041.0	726.0	1293.0	339.	318.	AG	665.	7.8	.0	44.0		
4. NB	BAY TR	*	765.0	1250.0	837.7	1168.9	109.	138.	AG	123.	100.0	.0	24.0	.45	5.5
5. NB	BAYL	*	953.0	1041.0	715.0	1265.0	327.	313.	AG	450.	7.8	.0	32.0		
6. NB	BAY L	*	749.0	1233.0	856.7	1132.1	148.	133.	AG	62.	100.0	.0	12.0	.58	7.5
7. NB	ONRAMP	*	726.0	1293.0	482.0	1533.0	342.	315.	AG	810.	7.8	.0	32.0		
8. NB	ONRAMP	*	482.0	1533.0	416.0	1664.0	147.	333.	AG	810.	7.8	.0	32.0		
9. NB	ONRAMP	*	416.0	1664.0	406.0	1817.0	153.	356.	AG	810.	7.8	.0	32.0		
10. NB	ONRAMP	*	406.0	1817.0	452.0	1991.0	180.	15.	AG	810.	7.8	.0	32.0		
11. NB	ONRAMP	*	452.0	1991.0	545.0	2180.0	211.	26.	AG	810.	7.8	.0	32.0		
12. SB	OFFRAMP	*	29.0	1061.0	133.0	1356.0	313.	19.	BR	380.	7.8	15.0	32.0		
13. SB	OFFRAMP	*	133.0	1356.0	175.0	1422.0	78.	32.	AG	380.	7.8	.0	32.0		
14. SB	OFFRAMP	*	175.0	1422.0	251.0	1480.0	96.	53.	AG	380.	7.8	.0	32.0		
15. SB	OFFRAMP	*	251.0	1480.0	338.0	1504.0	90.	75.	AG	380.	7.8	.0	32.0		
16. SB	OFFRAMP	*	338.0	1504.0	418.0	1498.0	80.	94.	AG	380.	7.8	.0	32.0		
17. SB	OFFRAMP	*	418.0	1498.0	490.0	1467.0	78.	113.	AG	380.	7.8	.0	32.0		
18. SB	OFFRAMPTR	*	490.0	1467.0	680.0	1267.0	276.	136.	AG	90.	7.8	.0	32.0		
19. SB	OFFRAMP TR	*	653.0	1295.0	636.1	1312.9	25.	317.	AG	205.	100.0	.0	24.0	.40	1.3
20. SB	OFFRAMPL	*	490.0	1467.0	689.0	1289.0	267.	132.	AG	290.	7.8	.0	32.0		
21. SB	OFFRAMP L	*	666.0	1309.0	-767.8	2585.3	1920.	312.	AG	103.	100.0	.0	12.0	2.34	97.5
22. SB	BAYVIEW	*	680.0	1267.0	893.0	1041.0	311.	137.	AG	575.	7.8	.0	44.0		
23. SB	BAYVIEW	*	893.0	1041.0	978.0	907.0	159.	148.	AG	575.	7.8	.0	44.0		
24. SB	BAYVIEW	*	978.0	907.0	1014.0	809.0	104.	160.	AG	575.	7.8	.0	44.0		
25. SB	BAYVIEW	*	1014.0	809.0	1096.0	305.0	511.	171.	AG	575.	7.8	.0	44.0		
26. EB	LOMBARD	*	-284.0	1108.0	195.0	1135.0	480.	87.	AG	2610.	7.8	.0	56.0		
27. EB	LOMBARD	*	195.0	1135.0	395.0	1128.0	200.	92.	AG	2610.	7.8	.0	56.0		
28. EB	LOMBARD	*	395.0	1128.0	543.0	1158.0	151.	79.	AG	2610.	7.8	.0	56.0		
29. EB	LOMB TR	*	543.0	1158.0	709.0	1252.0	191.	60.	AG	2195.	7.8	.0	56.0		
30. EB	LOMB TR	*	661.0	1225.0	-924.7	323.7	1824.	240.	AG	216.	100.0	.0	36.0	1.24	92.7
31. EB	LOMB L	*	395.0	1128.0	489.0	1163.0	100.	70.	AG	415.	7.8	.0	32.0		
32. EB	LOMB L	*	489.0	1163.0	683.0	1250.0	213.	66.	AG	415.	7.8	.0	32.0		
33. EB	LOMB L	*	657.0	1238.0	-838.5	570.8	1638.	246.	AG	67.	100.0	.0	12.0	1.50	83.2
34. EB	LOMB D	*	709.0	1252.0	833.0	1403.0	195.	39.	AG	2300.	7.8	.0	44.0		
35. EB	LOMB D	*	833.0	1403.0	1240.0	2138.0	840.	29.	AG	2300.	7.8	.0	44.0		
36. WB	LOMB	*	1218.0	2138.0	847.0	1505.0	734.	210.	AG	375.	7.8	.0	44.0		
37. WB	LOMB TR	*	847.0	1505.0	703.0	1289.0	260.	214.	AG	375.	7.8	.0	44.0		
38. WB	LOMB TR	*	735.0	1337.0	774.6	1396.6	72.	34.	AG	144.	100.0	.0	24.0	.32	3.6
39. WB	LOMB L	*	847.0	1505.0	833.0	1451.0	56.	195.	AG	45.	7.8	.0	32.0		
40. WB	LOMB L	*	833.0	1451.0	740.0	1306.0	172.	213.	AG	45.	7.8	.0	32.0		
41. WB	LOMB L	*	751.0	1323.0	759.7	1336.4	16.	33.	AG	67.	100.0	.0	12.0	.54	.8
42. WB	LOMB D	*	703.0	1289.0	546.0	1205.0	178.	242.	AG	795.	7.8	.0	44.0		
43. WB	LOMB D	*	546.0	1205.0	438.0	1177.0	112.	255.	AG	795.	7.8	.0	44.0		
44. WB	LOMB D	*	438.0	1177.0	-303.0	1137.0	742.	267.	AG	795.	7.8	.0	44.0		

JOB: S11 Lom & 895 NB2035PM RUN: Site 11 NO BUILD 2035 PM
DATE: 09/07/2012 TIME: 13:16:40.99

LINK VARIABLES

LINK DESCRIPTION			LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. EB	895	*	3.0	552.0	4.0	959.0	407.	0.	BR	3400.	9.1	15.0	44.0		
46. EB	895	*	4.0	959.0	73.0	1319.0	367.	11.	BR	3400.	9.1	15.0	44.0		
47. EB	895	*	73.0	1319.0	187.0	1597.0	300.	22.	BR	3400.	9.1	15.0	44.0		
48. EB	895	*	187.0	1597.0	601.0	2305.0	820.	30.	AG	3400.	9.1	.0	44.0		
49. WB	895	*	536.0	2277.0	101.0	1488.0	901.	209.	AG	2775.	9.1	.0	44.0		
50. WB	895	*	101.0	1488.0	25.0	1253.0	247.	198.	BR	2775.	9.1	15.0	44.0		
51. WB	895	*	25.0	1253.0	-22.0	994.0	263.	190.	BR	2775.	9.1	15.0	44.0		
52. WB	895	*	-22.0	994.0	-33.0	804.0	190.	183.	BR	2775.	9.1	15.0	44.0		
53. WB	895	*	-33.0	804.0	-30.0	536.0	268.	179.	AG	2775.	9.1	.0	44.0		

JOB: S11 Lom & 895 NB2035PM RUN: Site 11 NO BUILD 2035 PM
DATE: 09/07/2012 TIME: 13:16:40.99

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION			CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. NB	BAY TR	*	110	60	.3	665	1686	42.10	1	3

6. NB	BAY L	*	110	60	.3	450	1783	42.10	1	3
19. SB	OFFRAMP TR	*	110	100	.3	90	1628	42.10	1	3
21. SB	OFFRAMP L	*	110	100	.3	290	1783	42.10	1	3
30. EB	LOMB TR	*	110	70	.3	2195	1720	42.10	1	3
33. EB	LOMB L	*	110	65	.3	415	713	42.10	1	3
38. WB	LOMB TR	*	110	70	.3	375	1716	42.10	1	3
41. WB	LOMB L	*	110	65	.3	45	215	42.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SE MID	1035.0	979.0	5.0
2. SE 164	878.0	1161.0	5.0
3. SE 82	816.0	1232.0	5.0
4. SE CORN	786.0	1282.0	5.0
5. SE PATH	939.0	1340.0	5.0
6. SE PATH2	969.0	1448.0	5.0
7. SE PATH3	1076.0	1540.0	5.0
8. NE BUILD	752.0	1712.0	5.0
9. WS MID	264.0	1096.0	5.0
10. WS 164	535.0	1124.0	5.0
11. WS 82	614.0	1157.0	5.0
12. SW CORN	701.0	1193.0	5.0
13. SW 82	764.0	1135.0	5.0
14. SW 164	823.0	1075.0	5.0
15. SW MID	954.0	904.0	5.0

1

JOB: S11 Lom & 895 NB2035PM RUN: Site 11 NO BUILD 2035 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
0.	.1	.2	.3	.8	.3	.3	.2	.0	1.2	2.0	1.7	.8	.9	.8	.4
5.	.1	.2	.4	.7	.3	.3	.2	.0	1.0	1.8	1.6	.7	.9	.8	.4
10.	.1	.2	.3	.7	.2	.3	.2	.0	1.0	1.8	1.6	.9	.8	.8	.4
15.	.0	.2	.4	.7	.2	.3	.1	.0	.9	1.8	1.5	.9	.8	.7	.5
20.	.0	.1	.4	.7	.2	.2	.1	.0	.9	1.8	1.6	1.1	.9	.5	.4
25.	.0	.1	.2	.7	.1	.2	.1	.0	.8	1.8	1.6	1.0	.9	.4	.4
30.	.0	.1	.2	.5	.1	.1	.0	.0	.7	1.9	1.4	1.0	.8	.4	.4
35.	.0	.0	.1	.5	.0	.1	.0	.0	.7	2.0	1.4	.9	.7	.3	.3
40.	.0	.0	.1	.3	.0	.0	.0	.0	.8	2.0	1.3	.9	.7	.3	.3
45.	.0	.0	.0	.2	.0	.0	.0	.1	.8	2.1	1.1	.7	.5	.3	.3
50.	.0	.0	.0	.1	.0	.0	.0	.1	.9	1.7	.9	.6	.5	.3	.3
55.	.0	.0	.0	.0	.0	.0	.0	.1	1.1	1.4	.8	.5	.5	.3	.3
60.	.0	.0	.0	.0	.0	.0	.0	.1	1.3	1.2	.6	.5	.5	.3	.3
65.	.0	.0	.0	.0	.0	.0	.0	.2	1.3	.9	.5	.5	.5	.3	.3
70.	.0	.0	.0	.0	.0	.0	.0	.2	1.3	.6	.3	.5	.5	.3	.3
75.	.0	.0	.0	.0	.0	.0	.0	.2	1.3	.4	.3	.5	.4	.3	.4
80.	.0	.0	.0	.0	.0	.0	.0	.2	1.3	.2	.3	.5	.4	.3	.3
85.	.0	.0	.0	.0	.0	.0	.0	.1	1.2	.2	.2	.5	.4	.3	.3
90.	.0	.0	.0	.0	.0	.0	.0	.1	1.1	.0	.1	.5	.4	.3	.3
95.	.0	.0	.0	.0	.0	.0	.0	.1	.9	.0	.1	.5	.4	.4	.4
100.	.0	.0	.0	.0	.0	.0	.0	.1	.9	.0	.1	.5	.4	.2	.4
105.	.0	.0	.0	.0	.0	.0	.0	.1	.5	.0	.0	.6	.4	.3	.4
110.	.0	.0	.0	.0	.0	.0	.0	.1	.5	.0	.0	.6	.4	.2	.4
115.	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0	.0	.4	.3	.3	.2
120.	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0	.0	.2	.3	.3	.2
125.	.0	.1	.1	.0	.0	.0	.0	.1	.4	.0	.0	.1	.2	.3	.3
130.	.0	.1	.1	.0	.0	.0	.0	.1	.4	.0	.0	.1	.2	.3	.4
135.	.0	.2	.1	.1	.0	.0	.0	.1	.4	.0	.0	.1	.1	.4	.4
140.	.0	.3	.3	.2	.0	.0	.0	.1	.4	.0	.0	.1	.2	.2	.4
145.	.0	.4	.5	.2	.0	.0	.0	.1	.4	.0	.0	.0	.1	.2	.5
150.	.1	.5	.4	.4	.0	.0	.0	.1	.4	.0	.0	.0	.1	.1	.4
155.	.1	.5	.7	.6	.0	.0	.0	.1	.4	.0	.0	.0	.0	.1	.3
160.	.2	.5	.7	.7	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.3
165.	.3	.6	.8	.7	.0	.0	.0	.2	.4	.0	.0	.0	.0	.0	.3
170.	.3	.3	.8	.8	.0	.0	.0	.2	.4	.0	.0	.0	.0	.0	.3
175.	.4	.4	.8	.8	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.1
180.	.5	.4	.8	.8	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0
185.	.5	.4	.8	.8	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0
190.	.3	.4	.8	.6	.0	.0	.0	.2	.4	.0	.0	.0	.0	.0	.0
195.	.4	.4	.8	.6	.0	.0	.0	.1	.6	.0	.0	.0	.0	.0	.0
200.	.4	.4	.8	.6	.0	.0	.0	.1	.7	.0	.0	.0	.0	.0	.0
205.	.3	.4	.8	.6	.0	.0	.0	.1	.7	.0	.0	.0	.0	.0	.0

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JOB: S11 Lom & 895 NB2035PM RUN: Site 11 NO BUILD 2035 PM

WIND ANGLE (DEGR) * CONCENTRATION (PPM) REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15

210.	*	.2	.4	.8	.5	.0	.0	.0	.1	.9	.0	.0	.0	.0	.0	.0
215.	*	.2	.4	.8	.6	.1	.0	.0	.1	.9	.2	.0	.0	.0	.0	.0
220.	*	.2	.5	.8	.6	.1	.2	.1	.1	1.0	.4	.1	.0	.0	.0	.0
225.	*	.2	.5	.9	.9	.2	.3	.2	.2	1.0	.6	.3	.1	.0	.0	.0
230.	*	.3	.5	1.0	1.0	.3	.5	.3	.3	1.0	.7	.6	.3	.1	.0	.0
235.	*	.3	.6	1.1	1.5	.5	.5	.4	.4	.9	.9	.7	.6	.2	.0	.0
240.	*	.3	.7	1.3	1.7	.8	.7	.4	.2	.8	1.1	1.0	.9	.3	.2	.0
245.	*	.3	.8	1.6	1.8	.7	.7	.3	.1	.7	1.6	1.4	1.1	.3	.2	.0
250.	*	.4	.8	1.8	1.8	.7	.6	.4	.2	.8	1.9	1.7	1.5	.4	.3	.1
255.	*	.5	.8	1.9	1.7	.8	.6	.2	.3	.7	2.0	1.8	1.5	.6	.3	.2
260.	*	.5	1.4	1.8	1.5	.6	.3	.2	.3	.6	2.2	2.1	1.8	.8	.3	.2
265.	*	.4	1.4	2.0	1.1	.4	.4	.3	.2	.7	2.3	2.0	1.8	.9	.4	.2
270.	*	.4	1.4	1.8	1.1	.4	.4	.3	.2	1.0	2.2	2.2	1.8	1.1	.6	.2
275.	*	.5	1.2	1.3	1.2	.5	.5	.4	.2	1.2	2.2	2.1	1.8	1.0	.6	.1
280.	*	.6	1.1	1.3	1.1	.5	.6	.4	.4	1.3	2.3	2.1	1.7	1.0	.7	.3
285.	*	.4	1.0	1.2	.8	.6	.6	.4	.4	1.3	2.4	2.1	1.4	.9	.6	.3
290.	*	.3	1.0	1.0	.9	.6	.6	.4	.3	1.2	2.1	1.9	1.4	.7	.5	.2
295.	*	.5	1.3	1.1	.9	.5	.6	.4	.3	1.2	2.1	1.7	1.1	.5	.5	.1
300.	*	.6	1.2	1.0	1.0	.5	.5	.4	.3	1.3	1.9	1.7	1.2	.6	.3	.1
305.	*	.7	1.3	.9	1.0	.5	.5	.4	.3	1.2	1.8	1.7	1.3	.8	.6	.2
310.	*	.6	.9	.9	1.1	.5	.5	.4	.3	1.3	1.8	1.6	1.3	.8	.6	.4
315.	*	.7	.9	.8	1.1	.4	.5	.4	.3	1.2	1.7	1.8	1.1	.8	.6	.5
320.	*	.6	.8	.9	1.0	.4	.5	.4	.3	1.1	1.8	1.7	1.1	.8	.6	.5
325.	*	.5	.5	.8	.8	.4	.5	.3	.3	1.0	1.9	1.7	1.2	.8	.7	.5
330.	*	.4	.5	.6	.9	.4	.5	.2	.2	1.1	1.9	1.6	1.2	.7	.8	.7
335.	*	.2	.4	.6	1.0	.3	.4	.2	.2	1.1	1.9	1.6	1.1	.8	.7	.7
340.	*	.2	.4	.5	1.0	.3	.3	.2	.2	1.0	1.9	1.6	1.1	.7	.9	.5
345.	*	.1	.3	.4	.9	.2	.3	.2	.1	1.1	2.0	1.6	1.1	.9	.8	.5
350.	*	.1	.2	.5	.8	.2	.3	.2	.1	1.0	2.0	1.6	1.1	.8	.8	.5
355.	*	.1	.2	.3	.7	.3	.3	.2	.0	1.1	1.9	1.8	.8	.7	.8	.5
360.	*	.1	.2	.3	.8	.3	.3	.2	.0	1.2	2.0	1.7	.8	.9	.8	.4
MAX	*	.7	1.4	2.0	1.8	.8	.7	.4	.4	1.3	2.4	2.2	1.8	1.1	.9	.7
DEGR.	*	305	265	265	245	240	240	235	235	60	285	270	260	270	340	330

THE HIGHEST CONCENTRATION IS 2.40 PPM AT 285 DEGREES FROM REC10.
THE 2ND HIGHEST CONCENTRATION IS 2.20 PPM AT 270 DEGREES FROM REC11.
THE 3RD HIGHEST CONCENTRATION IS 2.00 PPM AT 265 DEGREES FROM REC3 .

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Site C-1 MLK & Baltimore NB 2016 AM     60.0321.0.0000.000290.30480000    1    1
S6 R1 SE MID             2067.      801.        5.
S6 R2 SE COR RED         2092.      968.        5.
S6 R3 82 SE              2112.     1043.        5.
S6 R4 SE COR             2139.     1143.        5.
S6 R5 82 ES              2237.     1146.        5.
S6 R6 164 ES             2320.     1149.        5.
S6 R7 MID ES             2537.     1157.        5.
S6 R8 MID EN             2537.     1229.        5.
S6 R9 164 EN             2326.     1213.        5.
S6 R10 82 EN             2236.     1208.        5.
S6 R11 NE COR            2145.     1207.        5.
S6 R12 82 NE             2164.     1292.        5.
S6 R13 164 NE            2179.     1375.        5.
S6 R14 SE COR FAY        2210.     1529.        5.
S6 R15 NE COR FAY        2220.     1608.        5.
S6 R16 NW COR FAY        2073.     1601.        5.
S6 R17 164 NW            2054.     1380.        5.
S6 R18 82 NW             2037.     1298.        5.
S6 R19 NW COR            2002.     1197.        5.
S6 R20 82 WN             1909.     1187.        5.
S6 R21 164 WN            1828.     1179.        5.
S6 R22 MID WN            1592.     1167.        5.
S6 R23 MID WS            1585.     1108.        5.
S6 R24 164 WS            1789.     1120.        5.
S6 R25 82 WS             1873.     1126.        5.
S6 R26 SW COR            1972.     1122.        5.
S6 R27 82 SW             1958.     1026.        5.
S6 R28 164 SW            1939.      947.        5.
S6 R29 MID SW            1911.      798.        5.
Site C-1 No Build 2016 AM               92  1   0
  1
NB        MLK AP    AG  2135.   161.  2042.   443.   2868. 8.6  0. 56.   35.
  1
NB        MLK AP    AG  2042.   443.  2012.   664.   2868. 8.6  0. 56.   35.
  1
NB        MLK AP    AG  2012.   664.  2028.   856.   2868. 8.6  0. 56.   35.
  1
NB        MLK TR    AG  2028.   856.  2109.  1174.   2723. 8.6  0. 68.   35.
  2
NB        MLK TRQ   AG  2095.  1119.  2046.   925.      0. 48.   4
       150        63       3.0 2723   46.9 1570 1 3
  1
NB        MLK L     AG  2028.   856.  2017.   903.    145. 8.6  0. 32.   35.
  1
NB        MLK L     AG  2017.   903.  2089.  1173.    145. 8.6  0. 32.   35.
  2
NB        MLK LQ    AG  2074.  1117.  2025.   932.      0. 12.   1
       150        52       3.0  145   46.9   76 1 3
  1
NB        MLK D FAY AG  2109.  1174.  2145.  1344.   2393. 8.6  0. 56.   35.
  1
NB        MLK LTA FAAG  2145.  1344.  2173.  1566.   2393. 8.6  0. 68.   35.
  2
NB        MLK LTQ FAAG  2165.  1509.  2150.  1384.      0. 48.   4
       150        39       3.0 2393   46.9 1250 1 3
  1
NB        MLK D FAY AG  2173.  1566.  2188.  1656.   2505. 8.6  0. 56.   35.
  1
NB        MLK A SAR AG  2188.  1656.  2193.  1941.   2230. 8.6  0. 56.   35.
  1
NB        MLK A SAR AG  2193.  1941.  2157.  2311.   2230. 8.6  0. 56.   35.
  1
NB        MLK TR SARAG  2157.  2311.  2139.  2484.   2200. 8.6  0. 56.   35.
  2
NB        MLK TRQ SAAG  2146.  2425.  2156.  2329.      0. 36.   3
       150        75       3.0 2200   46.9 1800 1 3
  1
NB        MLK L SAR AG  2157.  2311.  2131.  2365.     30. 8.6  0. 32.   35.
  1
NB        MLK L SAR AG  2131.  2365.  2119.  2484.     30. 8.6  0. 32.   35.
  2
NB        MLK LQ SARAG  2125.  2427.  2130.  2380.      0. 12.   1
       150        66       3.0   30   46.9   97 1 3
  1
NB        MLK A MUL AG  2139.  2484.  2117.  2791.   1995. 8.6  0. 56.   35.
  2
NB        MLK TRQ MUAG  2120.  2746.  2132.  2589.      0. 36.   3
       150        92       3.0 1995   46.9 1800 1 3
  1
NB        MLK A FRA AG  2117.  2791.  2116.  2956.   2395. 8.6  0. 56.   35.
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  1
NB        MLK T A FRAG  2116.  2956.  2131.  3176.   2205. 8.6  0. 56.   35.
  2
NB        MLK TQ FRAAG  2128.  3130.  2123.  3053.      0. 36.   3
       150        48       3.0 2205   46.9 1800 1 3
  1
NB        MLK L A FRAG  2116.  2956.  2096.  3008.    190. 8.6  0. 32.   35.
  1
NB        MLK L QFRAAG  2096.  3008.  2105.  3170.    190. 8.6  0. 32.   35.
  2
NB        MLK LQ FRAAG  2103.  3132.  2097.  3039.      0. 12.   1
       150       124       3.0  190   46.9 1296 1 3
  1
NB        MLK D FRA AG  2131.  3176.  2153.  3319.   2355. 8.6  0. 56.   35.
  1
NB        MLK D FRA AG  2153.  3319.  2184.  3423.   2355. 8.6  0. 56.   35.
  1
NB        MLK D FRA AG  2184.  3423.  2254.  3560.   2355. 8.6  0. 56.   35.
  1
NB        MLK D FRA AG  2254.  3560.  2396.  3748.   2355. 8.6  0. 56.   35.
  1
SB        MLKTRAFRA AG  2341.  3759.  2244.  3658.   2845. 8.6  0. 56.   35.
  1
SB        MLKTAFRA  AG  2244.  3658.  2132.  3493.   2495. 8.6  0. 56.   35.
  1
SB        MLKTAFRA  AG  2132.  3493.  2064.  3332.   2495. 8.6  0. 56.   35.
  1
SB        MLKTAFRA  AG  2064.  3332.  2024.  3162.   2495. 8.6  0. 56.   35.
  2
SB        MLKTQFRA  AG  2034.  3206.  2056.  3297.      0. 36.   3
       150        74       3.0 2495   46.9 1700 1 3
  1
SB        MLKRFRA   AG  2244.  3658.  2135.  3562.    275. 8.6  0. 44.   35.
  1
SB        MLKRAFRA  AG  2135.  3562.  2040.  3397.    275. 8.6  0. 44.   35.
  1
SB        MLKRAFRA  AG  2040.  3397.  1976.  3186.    275. 8.6  0. 44.   35.
  2
SB        MLKRQFRA  AG  1985.  3217.  2013.  3310.      0. 24.   2
       150        74       3.0  275   46.9 1148 1 3
  1
SB        MLKDFRA   AG  2024.  3162.  2029.  3027.   2645. 8.6  0. 56.   35.
  1
SB        MLKTRMUL  AG  2029.  3027.  2042.  2797.   2570. 8.6  0. 56.   35.
  2
SB        MLKTRMUL  AG  2040.  2832.  2034.  2933.      0. 36.   3
       150        81       3.0 2570   46.9 1600 1 3
  1
SB        MLKLMUL   AG  2029.  3027.  2054.  2949.     75. 8.6  0. 32.   35.
  1
SB        MLKLMUL   AG  2054.  2949.  2064.  2802.     75. 8.6  0. 32.   35.
  2
SB        MLK LQ MULAG  2061.  2844.  2055.  2939.      0. 12.   1
       150        81       3.0   75   46.9  118 1 3
  1
SB        MLKASAR   AG  2042.  2797.  2055.  2668.   2795. 8.6  0. 56.   35.
  1
SB        MLKTRSAR  AG  2055.  2668.  2072.  2477.   2575. 8.6  0. 56.   35.
  2
SB        MLKTRSA   AG  2067.  2534.  2057.  2649.      0. 36.   3
       150        67       3.0 2575   46.9 1502 1 3
  1
SB        MLKLASAR  AG  2055.  2668.  2080.  2629.    220. 8.6  0. 32.   35.
  1
SB        MLK LA SARAG  2080.  2629.  2095.  2483.    220. 8.6  0. 32.   35.
  2
SB        MLKLQSA   AG  2090.  2532.  2081.  2619.      0. 12.   1
       150        55       3.0  220   46.9   91 1 3
  1
SB        MLK A FAY AG  2072.  2477.  2125.  1886.   2625. 8.6  0. 56.   35.
  1
SB        MLKAFAY   AG  2125.  1886.  2117.  1558.   2625. 8.6  0. 56.   35.
  2
SB        MLKFAY    AG  2118.  1601.  2121.  1732.      0. 36.   3
       150        39       3.0 2625   46.9 1402 1 3
  1
SB        MLKABAL   AG  2117.  1558.  2089.  1397.   2805. 8.6  0. 56.   35.
  1
SB        MLKTRBAL  AG  2089.  1397.  2030.  1159.   2710. 8.6  0. 56.   35.
  2
SB        MLKTRQBA  AG  2045.  1220.  2071.  1325.      0. 36.   3
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      150        61       3.0 2710   46.9 1625 1 3
  1
SB        MLKLBAL   AG  2089.  1397.  2096.  1330.     95. 8.6  0. 32.   35.
  1
SB        MLKLBAL   AG  2096.  1330.  2052.  1157.     95. 8.6  0. 32.   35.
  2
SB        MLKLBAL   AG  2068.  1221.  2094.  1321.      0. 12.   1
      150        48       3.0   95   46.9   74 1 3
  1
SB        MLK D BAL AG  2030.  1159.  1956.   881.   2713. 8.6  0. 56.   35.
  1
SB        MLK D BAL AG  1956.   881.  1942.   661.   2713. 8.6  0. 56.   35.
  1
SB        MLK D BAL AG  1942.   661.  1970.   406.   2713. 8.6  0. 56.   35.
  1
SB        MLK D BAL AG  1970.   406.  2079.   127.   2713. 8.6  0. 56.   35.
  1
EB        BALT      AG  1066.  1093.  2024.  1153.    253. 8.7  0. 44.   30.
  2
EB        BALT      AG  1968.  1149.  1831.  1141.      0. 24.   2
      150       105       3.0  253   46.9 1298 1 3
  1
EB        BALT D    AG  2030.  1159.  3081.  1213.    640. 8.7  0. 44.   30.
  1
WB        BALT      AG  2000.  1170.  1055.  1113.    180. 8.7  0. 32.   30.
  1
WB        FAY       AG  2969.  1609.  2152.  1562.    495. 8.7  0. 68.   30.
  2
WB        FAY       AG  2225.  1566.  2468.  1580.      0. 48.   4
      150       111       3.0  495   46.9 1273 1 3
  1
WB        FAY       AG  2152.  1562.  1122.  1513.    258. 8.7  0. 68.   30.
  1
EB        SAR       AG  1281.  2430.  2095.  2471.    145. 8.7  0. 32.   30.
  2
EB        SAR       AG  2022.  2467.  1857.  2459.      0. 12.   1
      150        98       3.0  145   46.9  999 1 3
  1
EB        SAR D     AG  2095.  2471.  3028.  2519.    495. 8.7  0. 44.   30.
  1
WB        SAR       AG  3038.  2535.  2143.  2498.    105. 8.7  0. 44.   30.
  2
WB        SAR       AG  2183.  2500.  2479.  2512.      0. 24.   2
      150        98       3.0  105   46.9 1126 1 3
  1
WB        SAR D     AG  2143.  2498.  1273.  2442.    115. 8.7  0. 32.   30.
  1
EB        MUL       AG  1074.  2750.  1751.  2780.   2520. 8.7  0. 44.   30.
  1
EB        MUL       AG  1751.  2780.  2089.  2793.   2520. 8.7  0. 68.   30.
  2
EB        MUL       AG  1989.  2789.  1849.  2784.      0. 48.   4
      150        69       3.0 2520   46.9 1339 1 3
  1
EB        MUL       AG  2089.  2793.  3078.  2844.   2335. 8.7  0. 44.   30.
  1
EB        US40      BR  1075.  2846.  2358.  2897.   1775. 8.6 15. 56.   35.
  1
EB        US40      BR  2358.  2897.  2794.  2848.   1775. 8.6 15. 56.   35.
  1
EB        US40      AG  2794.  2848.  3075.  2858.   1775. 8.6  0. 56.   35.
  1
WB        US40      AG  2979.  3201.  2659.  3162.    765. 8.6  0. 56.   35.
  1
WB        US40      BR  2659.  3162.  2329.  3087.    765. 8.6  15  68   35.
  1
WB        US40      BR  2329.  3087.  1320.  3038.    765. 8.6  15  68   35.
  1
WB        US40      BR  1320.  3038.  1073.  3002.    765. 8.6  15  68   35.
  1
WB        FRANK     AG  2987.  3218.  2139.  3169.    855. 8.7  0. 56.   30.
  2
WB        FRANK     AG  2183.  3171.  2404.  3184.      0. 36.   3
      150       102       3.0  855   46.9 1406 1 3
  1
WB        FRANK     AG  2139.  3169.  1105.  3123.   1165. 8.7  0. 56.   30.
1.0   04  1000   0Y  5  0 72
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JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM
DATE: 09/20/2012 TIME: 10:19:19.45

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	MLK AP	*	2135.0	161.0	2042.0	443.0	*	297.	342.	AG	2868.	8.6	.0	56.0		
2. NB	MLK AP	*	2042.0	443.0	2012.0	664.0	*	223.	352.	AG	2868.	8.6	.0	56.0		
3. NB	MLK AP	*	2012.0	664.0	2028.0	856.0	*	193.	5.	AG	2868.	8.6	.0	56.0		
4. NB	MLK TR	*	2028.0	856.0	2109.0	1174.0	*	328.	14.	AG	2723.	8.6	.0	68.0		
5. NB	MLK TRQ	*	2095.0	1119.0	2037.6	891.9	*	234.	194.	AG	211.	100.0	.0	48.0	.79	11.9
6. NB	MLK L	*	2028.0	856.0	2017.0	903.0	*	48.	347.	AG	145.	8.6	.0	32.0		
7. NB	MLK L	*	2017.0	903.0	2089.0	1173.0	*	279.	15.	AG	145.	8.6	.0	32.0		
8. NB	MLK LQ	*	2074.0	1117.0	1789.9	44.4	*	1110.	195.	AG	44.	100.0	.0	12.0	3.09	56.4
9. NB	MLK D FAY	*	2109.0	1174.0	2145.0	1344.0	*	174.	12.	AG	2393.	8.6	.0	56.0		
10. NB	MLK LTA FA	*	2145.0	1344.0	2173.0	1566.0	*	224.	7.	AG	2393.	8.6	.0	68.0		
11. NB	MLK LTQ FA	*	2165.0	1509.0	2149.8	1382.4	*	128.	187.	AG	131.	100.0	.0	48.0	.68	6.5
12. NB	MLK D FAY	*	2173.0	1566.0	2188.0	1656.0	*	91.	9.	AG	2505.	8.6	.0	56.0		
13. NB	MLK A SAR	*	2188.0	1656.0	2193.0	1941.0	*	285.	1.	AG	2230.	8.6	.0	56.0		
14. NB	MLK A SAR	*	2193.0	1941.0	2157.0	2311.0	*	372.	354.	AG	2230.	8.6	.0	56.0		
15. NB	MLK TR SAR	*	2157.0	2311.0	2139.0	2484.0	*	174.	354.	AG	2200.	8.6	.0	56.0		
16. NB	MLK TRQ SA	*	2146.0	2425.0	2179.0	2107.7	*	319.	174.	AG	189.	100.0	.0	36.0	.87	16.2
17. NB	MLK L SAR	*	2157.0	2311.0	2131.0	2365.0	*	60.	334.	AG	30.	8.6	.0	32.0		
18. NB	MLK L SAR	*	2131.0	2365.0	2119.0	2484.0	*	120.	354.	AG	30.	8.6	.0	32.0		
19. NB	MLK LQ SAR	*	2125.0	2427.0	2126.2	2415.8	*	11.	174.	AG	55.	100.0	.0	12.0	.59	.6
20. NB	MLK A MUL	*	2139.0	2484.0	2117.0	2791.0	*	308.	356.	AG	1995.	8.6	.0	56.0		
21. NB	MLK TRQ MU	*	2120.0	2746.0	2177.0	2000.5	*	748.	176.	AG	231.	100.0	.0	36.0	1.05	38.0
22. NB	MLK A FRA	*	2117.0	2791.0	2116.0	2956.0	*	165.	360.	AG	2395.	8.6	.0	56.0		
23. NB	MLK T A FR	*	2116.0	2956.0	2131.0	3176.0	*	221.	4.	AG	2205.	8.6	.0	56.0		
24. NB	MLK TQ FRA	*	2128.0	3130.0	2115.5	2937.5	*	193.	184.	AG	121.	100.0	.0	36.0	.63	9.8
25. NB	MLK L A FR	*	2116.0	2956.0	2096.0	3008.0	*	56.	339.	AG	190.	8.6	.0	32.0		
26. NB	MLK L QFRA	*	2096.0	3008.0	2105.0	3170.0	*	162.	3.	AG	190.	8.6	.0	32.0		
27. NB	MLK LQ FRA	*	2103.0	3132.0	2084.6	2846.5	*	286.	184.	AG	104.	100.0	.0	12.0	1.05	14.5
28. NB	MLK D FRA	*	2131.0	3176.0	2153.0	3319.0	*	145.	9.	AG	2355.	8.6	.0	56.0		
29. NB	MLK D FRA	*	2153.0	3319.0	2184.0	3423.0	*	109.	17.	AG	2355.	8.6	.0	56.0		
30. NB	MLK D FRA	*	2184.0	3423.0	2254.0	3560.0	*	154.	27.	AG	2355.	8.6	.0	56.0		
31. NB	MLK D FRA	*	2254.0	3560.0	2396.0	3748.0	*	236.	37.	AG	2355.	8.6	.0	56.0		
32. SB	MLKTRAFRA	*	2341.0	3759.0	2244.0	3658.0	*	140.	224.	AG	2845.	8.6	.0	56.0		
33. SB	MLKTAFRA	*	2244.0	3658.0	2132.0	3493.0	*	199.	214.	AG	2495.	8.6	.0	56.0		
34. SB	MLKTAFRA	*	2132.0	3493.0	2064.0	3332.0	*	175.	203.	AG	2495.	8.6	.0	56.0		
35. SB	MLKTAFRA	*	2064.0	3332.0	2024.0	3162.0	*	175.	193.	AG	2495.	8.6	.0	56.0		
36. SB	MLKTQFRA	*	2034.0	3206.0	2208.9	3929.3	*	744.	14.	AG	186.	100.0	.0	36.0	1.03	37.8
37. SB	MLKRFRA	*	2244.0	3658.0	2135.0	3562.0	*	145.	229.	AG	275.	8.6	.0	44.0		
38. SB	MLKRAFRA	*	2135.0	3562.0	2040.0	3397.0	*	190.	210.	AG	275.	8.6	.0	44.0		
39. SB	MLKRAFRA	*	2040.0	3397.0	1976.0	3186.0	*	220.	197.	AG	275.	8.6	.0	44.0		
40. SB	MLKRQFRA	*	1985.0	3217.0	2001.0	3270.1	*	55.	17.	AG	124.	100.0	.0	24.0	.25	2.8
41. SB	MLKDFRA	*	2024.0	3162.0	2029.0	3027.0	*	135.	178.	AG	2645.	8.6	.0	56.0		
42. SB	MLKTRMUL	*	2029.0	3027.0	2042.0	2797.0	*	230.	177.	AG	2570.	8.6	.0	56.0		
43. SB	MLKTRMUL	*	2040.0	2832.0	1906.5	5078.7	*	2251.	357.	AG	204.	100.0	.0	36.0	1.26	114.3
44. SB	MLKLMUL	*	2029.0	3027.0	2054.0	2949.0	*	82.	162.	AG	75.	8.6	.0	32.0		

JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM
DATE: 09/20/2012 TIME: 10:19:19.45

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	MLKLMUL	*	2054.0	2949.0	2064.0	2802.0	*	147.	176.	AG	75.	8.6	.0	32.0		
46. SB	MLK LQ MUL	*	2061.0	2844.0	2040.1	3174.6	*	331.	356.	AG	68.	100.0	.0	12.0	1.50	16.8
47. SB	MLKASAR	*	2042.0	2797.0	2055.0	2668.0	*	130.	174.	AG	2795.	8.6	.0	56.0		
48. SB	MLKTRSAR	*	2055.0	2668.0	2072.0	2477.0	*	192.	175.	AG	2575.	8.6	.0	56.0		
49. SB	MLKTRSA	*	2067.0	2534.0	1961.2	3750.8	*	1221.	355.	AG	169.	100.0	.0	36.0	1.10	62.0
50. SB	MLKLASAR	*	2055.0	2668.0	2080.0	2629.0	*	46.	147.	AG	220.	8.6	.0	32.0		
51. SB	MLK LA SAR	*	2080.0	2629.0	2095.0	2483.0	*	147.	174.	AG	220.	8.6	.0	32.0		
52. SB	MLKLQSA	*	2090.0	2532.0	1900.0	4369.1	*	1847.	354.	AG	46.	100.0	.0	12.0	4.07	93.8
53. SB	MLK A FAY	*	2072.0	2477.0	2125.0	1886.0	*	593.	175.	AG	2625.	8.6	.0	56.0		
54. SB	MLKAFAY	*	2125.0	1886.0	2117.0	1558.0	*	328.	181.	AG	2625.	8.6	.0	56.0		
55. SB	MLKFAY	*	2118.0	1601.0	2122.7	1806.0	*	205.	1.	AG	98.	100.0	.0	36.0	.88	10.4
56. SB	MLKABAL	*	2117.0	1558.0	2089.0	1397.0	*	163.	190.	AG	2805.	8.6	.0	56.0		
57. SB	MLKTRBAL	*	2089.0	1397.0	2030.0	1159.0	*	245.	194.	AG	2710.	8.6	.0	56.0		
58. SB	MLKTRQBA	*	2045.0	1220.0	2149.8	1643.1	*	436.	14.	AG	153.	100.0	.0	36.0	.99	22.1
59. SB	MLKLBAL	*	2089.0	1397.0	2096.0	1330.0	*	67.	174.	AG	95.	8.6	.0	32.0		
60. SB	MLKLBAL	*	2096.0	1330.0	2052.0	1157.0	*	179.	194.	AG	95.	8.6	.0	32.0		
61. SB	MLKLBAL	*	2068.0	1221.0	2210.3	1768.2	*	565.	15.	AG	40.	100.0	.0	12.0	2.02	28.7
62. SB	MLK D BAL	*	2030.0	1159.0	1956.0	881.0	*	288.	195.	AG	2713.	8.6	.0	56.0		
63. SB	MLK D BAL	*	1956.0	881.0	1942.0	661.0	*	220.	184.	AG	2713.	8.6	.0	56.0		
64. SB	MLK D BAL	*	1942.0	661.0	1970.0	406.0	*	257.	174.	AG	2713.	8.6	.0	56.0		
65. SB	MLK D BAL	*	1970.0	406.0	2079.0	127.0	*	300.	159.	AG	2713.	8.6	.0	56.0		

66. EB	BALT	*	1066.0	1093.0	2024.0	1153.0	*	960.	86.	AG	253.	8.7	.0	44.0		
67. EB	BALT	*	1968.0	1149.0	1895.8	1144.8	*	72.	267.	AG	176.	100.0	.0	24.0	.36	3.7
68. EB	BALT D	*	2030.0	1159.0	3081.0	1213.0	*	1052.	87.	AG	640.	8.7	.0	44.0		
69. WB	BALT	*	2000.0	1170.0	1055.0	1113.0	*	947.	267.	AG	180.	8.7	.0	32.0		
70. WB	FAY	*	2969.0	1609.0	2152.0	1562.0	*	818.	267.	AG	495.	8.7	.0	68.0		
71. WB	FAY	*	2225.0	1566.0	2299.5	1570.3	*	75.	87.	AG	372.	100.0	.0	48.0	.43	3.8
72. WB	FAY	*	2152.0	1562.0	1122.0	1513.0	*	1031.	267.	AG	258.	8.7	.0	68.0		
73. EB	SAR	*	1281.0	2430.0	2095.0	2471.0	*	815.	87.	AG	145.	8.7	.0	32.0		
74. EB	SAR	*	2022.0	2467.0	1944.4	2463.2	*	78.	267.	AG	82.	100.0	.0	12.0	.46	3.9
75. EB	SAR D	*	2095.0	2471.0	3028.0	2519.0	*	934.	87.	AG	495.	8.7	.0	44.0		
76. WB	SAR	*	3038.0	2535.0	2143.0	2498.0	*	896.	268.	AG	105.	8.7	.0	44.0		
77. WB	SAR	*	2183.0	2500.0	2210.8	2501.1	*	28.	88.	AG	164.	100.0	.0	24.0	.15	1.4
78. WB	SAR D	*	2143.0	2498.0	1273.0	2442.0	*	872.	266.	AG	115.	8.7	.0	32.0		
79. EB	MUL	*	1074.0	2750.0	1751.0	2780.0	*	678.	87.	AG	2520.	8.7	.0	44.0		
80. EB	MUL	*	1751.0	2780.0	2089.0	2793.0	*	338.	88.	AG	2520.	8.7	.0	68.0		
81. EB	MUL	*	1989.0	2789.0	1699.5	2778.7	*	290.	268.	AG	231.	100.0	.0	48.0	.93	14.7
82. EB	MUL	*	2089.0	2793.0	3078.0	2844.0	*	990.	87.	AG	2335.	8.7	.0	44.0		
83. EB	US40	*	1075.0	2846.0	2358.0	2897.0	*	1284.	88.	BR	1775.	8.6	15.0	56.0		
84. EB	US40	*	2358.0	2897.0	2794.0	2848.0	*	439.	96.	BR	1775.	8.6	15.0	56.0		
85. EB	US40	*	2794.0	2848.0	3075.0	2858.0	*	281.	88.	AG	1775.	8.6	.0	56.0		
86. WB	US40	*	2979.0	3201.0	2659.0	3162.0	*	322.	263.	AG	765.	8.6	.0	56.0		
87. WB	US40	*	2659.0	3162.0	2329.0	3087.0	*	338.	257.	BR	765.	8.6	15.0	68.0		
88. WB	US40	*	2329.0	3087.0	1320.0	3038.0	*	1010.	267.	BR	765.	8.6	15.0	68.0		
89. WB	US40	*	1320.0	3038.0	1073.0	3002.0	*	250.	262.	BR	765.	8.6	15.0	68.0		
90. WB	FRANK	*	2987.0	3218.0	2139.0	3169.0	*	849.	267.	AG	855.	8.7	.0	56.0		
91. WB	FRANK	*	2183.0	3171.0	2341.7	3180.3	*	159.	87.	AG	257.	100.0	.0	36.0	.71	8.1
92. WB	FRANK	*	2139.0	3169.0	1105.0	3123.0	*	1035.	267.	AG	1165.	8.7	.0	56.0		

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JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM
DATE: 09/20/2012 TIME: 10:19:19.45

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. NB MLK TRQ	*	150	63	3.0	2723	1570	46.90	1	3
8. NB MLK LQ	*	150	52	3.0	145	76	46.90	1	3
11. NB MLK LTQ FA	*	150	39	3.0	2393	1250	46.90	1	3
16. NB MLK TRQ SA	*	150	75	3.0	2200	1800	46.90	1	3
19. NB MLK LQ SAR	*	150	66	3.0	30	97	46.90	1	3
21. NB MLK TRQ MU	*	150	92	3.0	1995	1800	46.90	1	3
24. NB MLK TQ FRA	*	150	48	3.0	2205	1800	46.90	1	3
27. NB MLK LQ FRA	*	150	124	3.0	190	1296	46.90	1	3
36. SB MLKTQFRA	*	150	74	3.0	2495	1700	46.90	1	3
40. SB MLKRQFRA	*	150	74	3.0	275	1148	46.90	1	3
43. SB MLKTRMUL	*	150	81	3.0	2570	1600	46.90	1	3
46. SB MLK LQ MUL	*	150	81	3.0	75	118	46.90	1	3
49. SB MLKTRSA	*	150	67	3.0	2575	1502	46.90	1	3
52. SB MLKLQSA	*	150	55	3.0	220	91	46.90	1	3
55. SB MLKFAY	*	150	39	3.0	2625	1402	46.90	1	3
58. SB MLKTRQBA	*	150	61	3.0	2710	1625	46.90	1	3
61. SB MLKLBAL	*	150	48	3.0	95	74	46.90	1	3
67. EB BALT	*	150	105	3.0	253	1298	46.90	1	3
71. WB FAY	*	150	111	3.0	495	1273	46.90	1	3
74. EB SAR	*	150	98	3.0	145	999	46.90	1	3
77. WB SAR	*	150	98	3.0	105	1126	46.90	1	3
81. EB MUL	*	150	69	3.0	2520	1339	46.90	1	3
91. WB FRANK	*	150	102	3.0	855	1406	46.90	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. S6 R1 SE MID	*	2067.0	801.0	5.0	*
2. S6 R2 SE COR RED	*	2092.0	968.0	5.0	*
3. S6 R3 82 SE	*	2112.0	1043.0	5.0	*
4. S6 R4 SE COR	*	2139.0	1143.0	5.0	*
5. S6 R5 82 ES	*	2237.0	1146.0	5.0	*
6. S6 R6 164 ES	*	2320.0	1149.0	5.0	*
7. S6 R7 MID ES	*	2537.0	1157.0	5.0	*
8. S6 R8 MID EN	*	2537.0	1229.0	5.0	*
9. S6 R9 164 EN	*	2326.0	1213.0	5.0	*
10. S6 R10 82 EN	*	2236.0	1208.0	5.0	*
11. S6 R11 NE COR	*	2145.0	1207.0	5.0	*
12. S6 R12 82 NE	*	2164.0	1292.0	5.0	*
13. S6 R13 164 NE	*	2179.0	1375.0	5.0	*
14. S6 R14 SE COR FAY	*	2210.0	1529.0	5.0	*
15. S6 R15 NE COR FAY	*	2220.0	1608.0	5.0	*
16. S6 R16 NW COR FAY	*	2073.0	1601.0	5.0	*
17. S6 R17 164 NW	*	2054.0	1380.0	5.0	*
18. S6 R18 82 NW	*	2037.0	1298.0	5.0	*
19. S6 R19 NW COR	*	2002.0	1197.0	5.0	*
20. S6 R20 82 WN	*	1909.0	1187.0	5.0	*
21. S6 R21 164 WN	*	1828.0	1179.0	5.0	*
22. S6 R22 MID WN	*	1592.0	1167.0	5.0	*

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JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM
DATE: 09/20/2012 TIME: 10:19:19.45

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
23. S6 R23 MID WS	1585.0	1108.0	5.0
24. S6 R24 164 WS	1789.0	1120.0	5.0
25. S6 R25 82 WS	1873.0	1126.0	5.0
26. S6 R26 SW COR	1972.0	1122.0	5.0
27. S6 R27 82 SW	1958.0	1026.0	5.0
28. S6 R28 164 SW	1939.0	947.0	5.0
29. S6 R29 MID SW	1911.0	798.0	5.0

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JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	1.4	2.6	2.3	2.0	.8	.3	.2	.0	.2	.6	2.0	2.1	2.2	1.5	1.0	1.0	1.0	1.0	.8	.1
5.	1.3	2.1	1.9	1.9	.5	.2	.2	.0	.0	.4	1.7	1.9	1.8	1.2	.7	1.4	1.5	1.4	.9	.3
10.	1.2	1.7	1.6	1.5	.3	.2	.2	.0	.0	.1	1.5	1.5	1.4	1.0	.4	1.3	1.5	1.7	1.2	.3
15.	.7	1.3	1.1	.8	.2	.2	.2	.0	.0	.1	1.1	.8	.9	.7	.2	1.3	2.0	2.0	1.4	.3
20.	.3	.9	.8	.7	.2	.2	.2	.0	.0	.0	.6	.7	.8	.8	.1	1.4	2.1	2.1	1.5	.6
25.	.2	.7	.5	.4	.2	.2	.2	.0	.0	.0	.5	.4	.6	.7	.0	1.4	2.0	2.4	1.8	.6
30.	.1	.5	.4	.3	.2	.2	.2	.0	.0	.0	.3	.3	.4	.8	.0	1.2	2.4	2.6	2.0	.6
35.	.0	.3	.2	.2	.2	.2	.2	.0	.0	.0	.1	.3	.3	.8	.0	1.2	2.4	2.3	1.9	.6
40.	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.1	.2	.9	.0	1.2	2.3	2.3	1.8	.6
45.	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.1	.2	1.0	.0	1.2	2.2	2.2	1.6	.6
50.	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.1	.1	1.0	.0	1.2	2.2	2.3	1.5	.8
55.	.0	.2	.2	.3	.2	.2	.2	.0	.0	.0	.1	.1	.1	1.0	.0	1.2	2.1	2.0	1.5	.7
60.	.0	.2	.2	.3	.3	.3	.2	.0	.0	.0	.1	.1	.1	1.0	.0	1.2	2.1	1.8	1.2	.7
65.	.0	.2	.2	.3	.3	.3	.2	.0	.0	.0	.1	.0	.1	.9	.0	1.3	2.1	1.8	1.2	.6
70.	.0	.1	.2	.3	.3	.3	.3	.0	.0	.0	.1	.0	.1	.8	.0	1.3	1.9	1.7	1.1	.6
75.	.0	.1	.1	.3	.3	.3	.3	.0	.1	.1	.0	.0	.1	.7	.1	1.4	1.7	1.6	1.2	.7
80.	.0	.0	.1	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	.6	.1	1.5	1.7	1.7	1.2	.7
85.	.0	.0	.0	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	.5	.2	1.5	1.6	1.6	1.2	.6
90.	.0	.0	.0	.3	.2	.2	.2	.1	.1	.2	.1	.0	.0	.3	.3	1.6	1.7	1.6	1.2	.6
95.	.0	.0	.0	.2	.2	.2	.1	.1	.2	.2	.2	.1	.0	.2	.4	1.6	1.6	1.7	1.2	.6
100.	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.2	.1	.0	.2	.6	1.6	1.7	1.8	1.3	.7
105.	.0	.0	.0	.1	.1	.1	.0	.2	.2	.2	.2	.1	.0	.0	.7	1.4	1.6	1.8	1.2	.9
110.	.0	.0	.0	.1	.1	.0	.0	.2	.2	.2	.2	.1	.0	.0	.8	1.6	1.5	1.8	1.2	.9
115.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.9	1.4	1.6	1.7	1.3	1.0
120.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.0	1.5	1.6	1.6	1.2	1.0
125.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	.9	1.5	1.6	1.6	1.2	1.1
130.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.0	1.4	1.6	1.7	1.2	1.2
135.	.0	.1	.0	.0	.0	.0	.0	.1	.2	.2	.2	.1	.1	.0	1.0	1.5	1.7	1.9	1.3	1.2
140.	.0	.1	.1	.1	.0	.0	.0	.1	.2	.2	.1	.2	.0	.0	1.0	1.4	1.7	1.9	1.4	1.2
145.	.0	.1	.1	.1	.0	.0	.0	.1	.2	.2	.1	.2	.0	.0	1.0	1.5	1.7	1.7	1.5	1.2
150.	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.1	.2	.1	.0	.9	1.4	1.8	2.0	1.6	1.1
155.	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.2	.2	.1	.0	.8	1.6	1.9	1.9	1.5	1.1
160.	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.2	.2	.1	.1	.8	1.6	1.9	2.1	1.5	1.1
165.	.2	.1	.1	.1	.0	.0	.0	.1	.1	.1	.3	.2	.1	.1	.7	1.6	1.9	2.2	1.6	1.1
170.	.3	.2	.1	.1	.0	.0	.0	.1	.1	.1	.3	.3	.3	.1	.7	1.6	2.1	2.0	1.8	1.2
175.	.5	.5	.4	.3	.0	.0	.0	.1	.1	.1	.5	.4	.4	.2	.6	1.5	2.0	2.1	1.9	1.1
180.	.6	.7	.8	.6	.0	.0	.0	.1	.1	.1	.6	.7	.7	.5	.9	1.5	2.1	2.3	1.7	.9
185.	.8	1.0	1.0	.9	.0	.0	.0	.1	.1	.1	1.1	.8	.9	.7	1.0	1.2	2.0	2.0	1.5	.7
190.	.9	1.2	1.4	1.2	.1	.0	.0	.1	.1	.1	1.7	1.4	1.2	1.0	1.5	.9	1.7	1.9	1.2	.4
195.	1.1	1.4	1.5	1.6	.3	.1	.0	.1	.1	.4	1.9	1.7	1.4	1.4	1.5	.6	1.4	1.4	.7	.3
200.	1.0	1.6	1.7	1.9	.4	.1	.0	.1	.1	.6	1.9	1.7	1.6	1.6	1.7	.5	.9	1.1	.7	.3
205.	1.2	1.9	2.0	1.9	.6	.3	.0	.1	.3	.7	2.0	1.8	1.6	1.8	1.9	.2	.6	.8	.4	.3

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JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.1	1.7	2.1	2.0	.5	.3	.0	.1	.5	.9	2.0	1.6	1.7	1.8	1.9	.1	.5	.5	.3	.3
215.	1.2	1.9	2.1	2.0	.6	.4	.0	.1	.6	1.0	1.9	1.5	1.6	1.9	1.7	.1	.2	.4	.4	.3
220.	1.3	2.0	2.2	1.9	.7	.4	.0	.1	.7	.9	1.7	1.5	1.5	1.7	1.7	.1	.1	.3	.3	.2
225.	1.1	1.9	2.0	1.9	.8	.5	.0	.2	.8	1.0	1.5	1.3	1.5	1.8	1.8	.1	.1	.2	.4	.2
230.	1.1	1.9	2.1	1.7	.8	.6	.1	.3	.7	.9	1.5	1.4	1.5	1.6	1.6	.1	.1	.1	.4	.2
235.	1.2	1.9	2.0	1.6	.7	.5	.2	.4	.6	.9	1.4	1.2	1.4	1.5	1.6	.1	.1	.1	.4	.2
240.	1.1	1.8	1.9	1.4	.7	.5	.2	.5	.6	.9	1.3	1.2	1.3	1.5	1.5	.1	.1	.1	.4	.2
245.	1.1	1.8	1.8	1.4	.7	.4	.3	.5	.6	.9	1.4	1.1	1.4	1.5	1.5	.1	.1	.1	.4	.2
250.	.9	1.8	1.7	1.3	.8	.5	.4	.5	.6	.9	1.4	1.2	1.2	1.4	1.4	.1	.1	.1	.4	.2
255.	.9	1.7	1.7	1.3	.8	.5	.4	.5	.7	.6	1.3	1.1	1.3	1.4	1.5	.1	.0	.1	.3	.2
260.	.9	1.7	1.7	1.3	.7	.5	.4	.4	.5	.6	1.3	1.2	1.1	1.4	1.5	.1	.0	.0	.3	.2
265.	.9	1.7	1.7	1.5	.8	.7	.5	.4	.5	.7	1.0	1.2	1.2	1.3	1.4	.1	.0	.0	.1	.2
270.	.9	1.7	1.7	1.3	.8	.7	.5	.3	.4	.7	1.0	1.2	1.3	1.4	1.3	.1	.0	.0	.0	.1
275.	.9	1.7	1.7	1.3	.7	.6	.5	.3	.4	.6	1.1	1.3	1.3	1.4	1.3	.0	.0	.0	.0	.0
280.	.9	1.7	1.7	1.4	.8	.6	.5	.3	.5	.6	1.1	1.3	1.4	1.3	1.3	.0	.0	.0	.0	.0

285. *	.9	1.7	1.7	1.2	.7	.7	.5	.4	.5	.6	1.1	1.3	1.4	1.4	1.3	.0	.0	.0	.0	.0
290. *	.9	1.7	1.8	1.4	.9	.6	.5	.3	.5	.6	1.3	1.3	1.3	1.3	1.3	.0	.0	.0	.0	.0
295. *	.9	1.7	1.8	1.2	.8	.7	.6	.3	.3	.6	1.2	1.1	1.5	1.2	1.2	.0	.0	.0	.0	.0
300. *	1.0	1.7	1.8	1.3	.7	.6	.5	.3	.5	.6	1.2	1.1	1.5	1.3	1.2	.0	.0	.0	.0	.0
305. *	1.0	1.7	1.8	1.3	.7	.5	.5	.3	.5	.6	1.2	1.1	1.4	1.4	1.2	.0	.0	.0	.0	.0
310. *	.9	1.7	1.9	1.2	.7	.6	.5	.3	.5	.5	1.1	1.3	1.6	1.4	1.2	.0	.0	.1	.0	.0
315. *	1.0	1.8	1.7	1.3	.7	.7	.4	.3	.6	.7	1.2	1.3	1.7	1.5	1.3	.0	.0	.1	.0	.0
320. *	1.1	1.8	1.6	1.3	.8	.7	.4	.2	.6	.6	1.2	1.4	1.7	1.5	1.2	.0	.0	.1	.0	.0
325. *	1.2	1.9	1.8	1.4	.8	.7	.3	.4	.6	.6	1.2	1.4	1.9	1.6	1.3	.0	.0	.1	.0	.0
330. *	1.3	2.0	1.8	1.4	.8	.6	.5	.3	.5	.8	1.4	1.6	1.9	1.7	1.4	.0	.0	.1	.0	.0
335. *	1.3	2.0	2.0	1.6	.9	.6	.4	.3	.5	.7	1.5	1.7	2.0	1.6	1.3	.0	.0	.1	.0	.0
340. *	1.4	2.1	2.0	1.7	1.0	.7	.4	.2	.6	.8	1.7	1.8	2.1	1.7	1.6	.0	.0	.1	.0	.0
345. *	1.5	2.1	2.0	1.7	1.0	.8	.5	.2	.6	.9	1.7	1.8	2.5	2.0	1.6	.2	.1	.1	.0	.0
350. *	1.4	2.1	2.3	1.8	1.3	.9	.4	.2	.6	1.0	2.1	2.2	2.5	2.0	1.6	.4	.3	.3	.1	.0
355. *	1.5	2.5	2.5	2.1	1.0	.7	.2	.0	.5	.9	2.2	2.3	2.5	1.7	1.6	.7	.7	.8	.3	.0
360. *	1.4	2.6	2.3	2.0	.8	.3	.2	.0	.2	.6	2.0	2.1	2.2	1.5	1.0	1.0	1.0	1.0	.8	.1
MAX *	1.5	2.6	2.5	2.1	1.3	.9	.6	.5	.8	1.0	2.2	2.3	2.5	2.0	1.9	1.6	2.4	2.6	2.0	1.2
DEGR. *	355	0	355	355	350	350	295	240	225	215	355	355	345	345	205	90	30	30	30	130

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JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29
0. *	.1	.0	.1	.1	.2	.8	.6	.5	.3
5. *	.1	.0	.1	.2	.3	.9	.8	.8	.6
10. *	.2	.1	.2	.3	.3	.9	1.1	.9	.9
15. *	.2	.0	.1	.3	.4	1.3	1.2	1.3	1.1
20. *	.3	.2	.2	.4	.6	1.1	1.4	1.5	1.4
25. *	.2	.2	.3	.3	.7	1.3	1.3	1.4	1.5
30. *	.4	.2	.2	.4	.7	1.2	1.4	1.6	1.6
35. *	.4	.0	.2	.4	.7	1.3	1.3	1.5	1.4
40. *	.5	.1	.2	.6	.9	1.3	1.5	1.6	1.5
45. *	.4	.1	.2	.5	.9	1.2	1.4	1.5	1.6
50. *	.4	.1	.2	.5	.9	1.3	1.5	1.5	1.5
55. *	.5	.1	.2	.6	.9	1.3	1.5	1.6	1.4
60. *	.5	.2	.3	.7	.9	1.2	1.4	1.6	1.2
65. *	.5	.3	.3	.6	1.0	1.0	1.3	1.6	1.1
70. *	.4	.2	.3	.5	1.1	1.1	1.3	1.4	.9
75. *	.4	.2	.2	.7	1.1	1.1	1.4	1.4	1.0
80. *	.5	.2	.4	.7	1.1	1.3	1.5	1.4	1.0
85. *	.7	.2	.4	.7	1.1	1.2	1.3	1.4	.9
90. *	.7	.4	.4	.7	1.0	1.1	1.3	1.4	.9
95. *	.7	.4	.4	.7	.9	1.2	1.4	1.4	.9
100. *	.9	.5	.4	.7	.8	1.2	1.3	1.4	.9
105. *	1.1	.5	.4	.5	.7	1.1	1.3	1.2	.9
110. *	.9	.5	.3	.5	.7	1.1	1.3	1.2	.9
115. *	.9	.5	.2	.5	.7	1.2	1.3	1.2	.9
120. *	.8	.5	.4	.5	.7	1.2	1.2	1.2	.9
125. *	.8	.5	.3	.4	.7	1.2	1.2	1.1	1.1
130. *	.8	.5	.2	.4	.7	1.2	1.3	1.0	1.1
135. *	.8	.4	.2	.6	.6	1.2	1.2	1.2	1.1
140. *	.7	.4	.3	.4	.7	1.2	1.3	1.2	1.1
145. *	.7	.4	.3	.4	.7	1.2	1.3	1.3	1.4
150. *	.8	.4	.1	.4	.6	1.2	1.4	1.3	1.3
155. *	.7	.2	.1	.5	.6	1.3	1.4	1.5	1.5
160. *	.7	.1	.0	.5	.8	1.3	1.7	1.7	1.6
165. *	.7	.2	.0	.4	.6	1.4	1.8	1.8	1.4
170. *	.5	.2	.0	.2	.7	1.6	1.8	1.7	1.2
175. *	.4	.2	.0	.1	.5	1.6	1.7	1.6	1.1
180. *	.3	.2	.0	.0	.2	1.3	1.6	1.4	.7
185. *	.2	.2	.0	.0	.1	1.1	1.2	1.1	.5
190. *	.2	.2	.0	.0	.0	.7	.9	.8	.3
195. *	.2	.1	.0	.0	.0	.4	.7	.6	.2
200. *	.2	.1	.0	.0	.0	.3	.4	.4	.1
205. *	.2	.2	.0	.0	.0	.2	.3	.2	.0

1

JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29
210. *	.2	.2	.0	.0	.0	.1	.2	.2	.0
215. *	.2	.2	.0	.0	.0	.0	.1	.1	.0
220. *	.2	.2	.0	.0	.0	.0	.1	.1	.0
225. *	.2	.2	.0	.0	.0	.0	.0	.0	.0
230. *	.2	.2	.0	.0	.0	.0	.0	.0	.0

235.	*	.2	.2	.0	.0	.0	.0	.0	.0	.0
240.	*	.2	.2	.0	.0	.0	.0	.0	.0	.0
245.	*	.2	.2	.0	.0	.0	.0	.0	.0	.0
250.	*	.2	.2	.1	.1	.1	.0	.0	.0	.0
255.	*	.2	.2	.1	.1	.1	.0	.0	.0	.0
260.	*	.2	.2	.1	.1	.1	.2	.0	.0	.0
265.	*	.2	.1	.1	.1	.1	.2	.0	.0	.0
270.	*	.1	.0	.1	.1	.1	.2	.0	.0	.0
275.	*	.0	.0	.1	.1	.1	.3	.0	.0	.0
280.	*	.0	.0	.1	.1	.2	.4	.0	.0	.0
285.	*	.0	.0	.1	.2	.2	.4	.0	.0	.0
290.	*	.0	.0	.1	.1	.2	.5	.0	.0	.0
295.	*	.0	.0	.1	.1	.1	.5	.0	.0	.0
300.	*	.0	.0	.1	.1	.1	.5	.0	.0	.0
305.	*	.0	.0	.1	.1	.1	.6	.0	.0	.0
310.	*	.0	.0	.1	.1	.1	.6	.0	.0	.0
315.	*	.0	.0	.1	.1	.1	.6	.0	.0	.0
320.	*	.0	.0	.1	.1	.1	.5	.0	.0	.0
325.	*	.0	.0	.1	.1	.1	.5	.1	.0	.0
330.	*	.0	.0	.1	.1	.1	.5	.1	.0	.0
335.	*	.0	.0	.1	.1	.1	.5	.1	.0	.0
340.	*	.0	.0	.1	.1	.1	.4	.1	.1	.0
345.	*	.0	.0	.1	.1	.1	.4	.1	.1	.0
350.	*	.0	.0	.1	.1	.1	.3	.2	.2	.1
355.	*	.0	.0	.1	.1	.1	.3	.2	.2	.2
360.	*	.1	.0	.1	.1	.2	.8	.6	.5	.3
MAX	*	1.1	.5	.4	.7	1.1	1.6	1.8	1.8	1.6
DEGR.	*	105	100	80	60	70	170	170	165	30

THE HIGHEST CONCENTRATION IS 2.60 PPM AT 30 DEGREES FROM REC18.
THE 2ND HIGHEST CONCENTRATION IS 2.60 PPM AT 0 DEGREES FROM REC2 .
THE 3RD HIGHEST CONCENTRATION IS 2.50 PPM AT 355 DEGREES FROM REC3 .

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Site C-1 MLK & Baltimore CO 2016 PM     60.0321.0.0000.000290.30480000    1    1
S6 R1 SE MID             2067.      801.        5.
S6 R2 SE COR RED         2092.      968.        5.
S6 R3 82 SE              2112.     1043.        5.
S6 R4 SE COR             2139.     1143.        5.
S6 R5 82 ES              2237.     1146.        5.
S6 R6 164 ES             2320.     1149.        5.
S6 R7 MID ES             2537.     1157.        5.
S6 R8 MID EN             2537.     1229.        5.
S6 R9 164 EN             2326.     1213.        5.
S6 R10 82 EN             2236.     1208.        5.
S6 R11 NE COR            2145.     1207.        5.
S6 R12 82 NE             2164.     1292.        5.
S6 R13 164 NE            2179.     1375.        5.
S6 R14 SE COR FAY        2210.     1529.        5.
S6 R15 NE COR FAY        2220.     1608.        5.
S6 R16 NW COR FAY        2073.     1601.        5.
S6 R17 164 NW            2054.     1380.        5.
S6 R18 82 NW             2037.     1298.        5.
S6 R19 NW COR            2002.     1197.        5.
S6 R20 82 WN             1909.     1187.        5.
S6 R21 164 WN            1828.     1179.        5.
S6 R22 MID WN            1592.     1167.        5.
S6 R23 MID WS            1585.     1108.        5.
S6 R24 164 WS            1789.     1120.        5.
S6 R25 82 WS             1873.     1126.        5.
S6 R26 SW COR            1972.     1122.        5.
S6 R27 82 SW             1958.     1026.        5.
S6 R28 164 SW            1939.      947.        5.
S6 R29 MID SW            1911.      798.        5.
Site C-1 CO       2016 PM               92  1   0
  1
NB        MLK AP    AG  2135.   161.  2042.   443.   2578. 8.6  0. 56.   35.
  1
NB        MLK AP    AG  2042.   443.  2012.   664.   2578. 8.6  0. 56.   35.
  1
NB        MLK AP    AG  2012.   664.  2028.   856.   2578. 8.6  0. 56.   35.
  1
NB        MLK TR    AG  2028.   856.  2109.  1174.   2488. 8.6  0. 68.   35.
  2
NB        MLK TRQ   AG  2095.  1119.  2046.   925.      0. 48.   4
       150        70       3.0 2488   46.9 1481 1 3
  1
NB        MLK L     AG  2028.   856.  2017.   903.     90. 8.6  0. 32.   35.
  1
NB        MLK L     AG  2017.   903.  2089.  1173.     90. 8.6  0. 32.   35.
  2
NB        MLK LQ    AG  2074.  1117.  2025.   932.      0. 12.   1
       150        60       3.0   90   46.9   85 1 3
  1
NB        MLK D FAY AG  2109.  1174.  2145.  1344.   2388. 8.6  0. 56.   35.
  1
NB        MLK LTA FAAG  2145.  1344.  2173.  1566.   2388. 8.6  0. 68.   35.
  2
NB        MLK LTQ FAAG  2165.  1509.  2150.  1384.      0. 48.   4
       150        53       3.0 2388   46.9 1195 1 3
  1
NB        MLK D FAY AG  2173.  1566.  2188.  1656.   2655. 8.6  0. 56.   35.
  1
NB        MLK A SAR AG  2188.  1656.  2193.  1941.   2655. 8.6  0. 56.   35.
  1
NB        MLK A SAR AG  2193.  1941.  2157.  2311.   2655. 8.6  0. 56.   35.
  1
NB        MLK TR SARAG  2157.  2311.  2139.  2484.   2615. 8.6  0. 56.   35.
  2
NB        MLK TRQ SAAG  2146.  2425.  2156.  2329.      0. 36.   3
       150        65       3.0 2615   46.9 1584 1 3
  1
NB        MLK L SAR AG  2157.  2311.  2131.  2365.     40. 8.6  0. 32.   35.
  1
NB        MLK L SAR AG  2131.  2365.  2119.  2484.     40. 8.6  0. 32.   35.
  2
NB        MLK LQ SARAG  2125.  2427.  2130.  2380.      0. 12.   1
       150        56       3.0   40   46.9   89 1 3
  1
NB        MLK A MUL AG  2139.  2484.  2117.  2791.   2525. 8.6  0. 56.   35.
  2
NB        MLK TRQ MUAG  2120.  2746.  2132.  2589.      0. 36.   3
       150        77       3.0 2525   46.9 1733 1 3
  1
NB        MLK A FRA AG  2117.  2791.  2116.  2956.   2870. 8.6  0. 56.   35.
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  1
NB        MLK T A FRAG  2116.  2956.  2131.  3176.   2525. 8.6  0. 56.   35.
  2
NB        MLK TQ FRAAG  2128.  3130.  2123.  3053.      0. 36.   3
       150        60       3.0 2525   46.9 1784 1 3
  1
NB        MLK L A FRAG  2116.  2956.  2096.  3008.    345. 8.6  0. 32.   35.
  1
NB        MLK L QFRAAG  2096.  3008.  2105.  3170.    345. 8.6  0. 32.   35.
  2
NB        MLK LQ FRAAG  2103.  3132.  2097.  3039.      0. 12.   1
       150       115       3.0  345   46.9 1727 1 3
  1
NB        MLK D FRA AG  2131.  3176.  2153.  3319.   2535. 8.6  0. 56.   35.
  1
NB        MLK D FRA AG  2153.  3319.  2184.  3423.   2535. 8.6  0. 56.   35.
  1
NB        MLK D FRA AG  2184.  3423.  2254.  3560.   2535. 8.6  0. 56.   35.
  1
NB        MLK D FRA AG  2254.  3560.  2396.  3748.   2535. 8.6  0. 56.   35.
  1
SB        MLKTRAFRA AG  2341.  3759.  2244.  3658.   2005. 8.6  0. 56.   35.
  1
SB        MLKTAFRA  AG  2244.  3658.  2132.  3493.   1575. 8.6  0. 56.   35.
  1
SB        MLKTAFRA  AG  2132.  3493.  2064.  3332.   1575. 8.6  0. 56.   35.
  1
SB        MLKTAFRA  AG  2064.  3332.  2024.  3162.   1575. 8.6  0. 56.   35.
  2
SB        MLKTQFRA  AG  2034.  3206.  2056.  3297.      0. 36.   3
       150        96       3.0 1575   46.9 1582 1 3
  1
SB        MLKRFRA   AG  2244.  3658.  2135.  3562.    430. 8.6  0. 44.   35.
  1
SB        MLKRAFRA  AG  2135.  3562.  2040.  3397.    430. 8.6  0. 44.   35.
  1
SB        MLKRAFRA  AG  2040.  3397.  1976.  3186.    430. 8.6  0. 44.   35.
  2
SB        MLKRQFRA  AG  1985.  3217.  2013.  3310.      0. 24.   2
       150        96       3.0  430   46.9 1270 1 3
  1
SB        MLKDFRA   AG  2024.  3162.  2029.  3027.   1810. 8.6  0. 56.   35.
  1
SB        MLKTRMUL  AG  2029.  3027.  2042.  2797.   1745. 8.6  0. 56.   35.
  2
SB        MLKTRMUL  AG  2040.  2832.  2034.  2933.      0. 36.   3
       150        62       3.0 1745   46.9 1695 1 3
  1
SB        MLKLMUL   AG  2029.  3027.  2054.  2949.     65. 8.6  0. 32.   35.
  1
SB        MLKLMUL   AG  2054.  2949.  2064.  2802.     65. 8.6  0. 32.   35.
  2
SB        MLK LQ MULAG  2061.  2844.  2055.  2939.      0. 12.   1
       150        62       3.0   65   46.9  103 1 3
  1
SB        MLKASAR   AG  2042.  2797.  2055.  2668.   1790. 8.6  0. 56.   35.
  1
SB        MLKTRSAR  AG  2055.  2668.  2072.  2477.   1735. 8.6  0. 56.   35.
  2
SB        MLKTRSA   AG  2067.  2534.  2057.  2649.      0. 36.   3
       150        65       3.0 1735   46.9 1491 1 3
  1
SB        MLKLASAR  AG  2055.  2668.  2080.  2629.     55. 8.6  0. 32.   35.
  1
SB        MLK LA SARAG  2080.  2629.  2095.  2483.     55. 8.6  0. 32.   35.
  2
SB        MLKLQSA   AG  2090.  2532.  2081.  2619.      0. 12.   1
       150        56       3.0   55   46.9   84 1 3
  1
SB        MLK A FAY AG  2072.  2477.  2125.  1886.   1885. 8.6  0. 56.   35.
  1
SB        MLKAFAY   AG  2125.  1886.  2117.  1558.   1885. 8.6  0. 56.   35.
  2
SB        MLKFAY    AG  2118.  1601.  2121.  1732.      0. 36.   3
       150        53       3.0 1895   46.9 1405 1 3
  1
SB        MLKABAL   AG  2117.  1558.  2089.  1397.   2315. 8.6  0. 56.   35.
  1
SB        MLKTRBAL  AG  2089.  1397.  2030.  1159.   2180. 8.6  0. 56.   35.
  2
SB        MLKTRQBA  AG  2045.  1220.  2071.  1325.      0. 36.   3
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      150        70       3.0 2180   46.9 1339 1 3
  1
SB        MLKLBAL   AG  2089.  1397.  2096.  1330.    135. 8.6  0. 32.   35.
  1
SB        MLKLBAL   AG  2096.  1330.  2052.  1157.    135. 8.6  0. 32.   35.
  2
SB        MLKLBAL   AG  2068.  1221.  2094.  1321.      0. 12.   1
      150        70       3.0  135   46.9   81 1 3
  1
SB        MLK D BAL AG  2030.  1159.  1956.   881.   2243. 8.6  0. 56.   35.
  1
SB        MLK D BAL AG  1956.   881.  1942.   661.   2243. 8.6  0. 56.   35.
  1
SB        MLK D BAL AG  1942.   661.  1970.   406.   2243. 8.6  0. 56.   35.
  1
SB        MLK D BAL AG  1970.   406.  2079.   127.   2243. 8.6  0. 56.   35.
  1
EB        BALT      AG  1066.  1093.  2024.  1153.    623. 8.7  0. 44.   30.
  2
EB        BALT      AG  1968.  1149.  1831.  1141.      0. 24.   2
      150        95       3.0  623   46.9 1341 1 3
  1
EB        BALT D    AG  2030.  1159.  3081.  1213.    645. 8.7  0. 44.   30.
  1
WB        BALT      AG  2000.  1170.  1055.  1113.    240. 8.7  0. 32.   30.
  1
WB        FAY       AG  2969.  1609.  2152.  1562.   1270. 8.7  0. 68.   30.
  2
WB        FAY       AG  2225.  1566.  2468.  1580.      0. 48.   4
      150        97       3.0 1270   46.9 1279 1 3
  1
WB        FAY       AG  2152.  1562.  1122.  1513.    413. 8.7  0. 68.   30.
  1
EB        SAR       AG  1281.  2430.  2095.  2471.     60. 8.7  0. 32.   30.
  2
EB        SAR       AG  2022.  2467.  1857.  2459.      0. 12.   1
      150       100       3.0   60   46.9 1026 1 3
  1
EB        SAR D     AG  2095.  2471.  3028.  2519.    135. 8.7  0. 44.   30.
  1
WB        SAR       AG  3038.  2535.  2143.  2498.    360. 8.7  0. 44.   30.
  2
WB        SAR       AG  2183.  2500.  2479.  2512.      0. 24.   2
      150       100       3.0  360   46.9 1242 1 3
  1
WB        SAR D     AG  2143.  2498.  1273.  2442.    175. 8.7  0. 32.   30.
  1
EB        MUL       AG  1074.  2750.  1751.  2780.   1715. 8.7  0. 44.   30.
  1
EB        MUL       AG  1751.  2780.  2089.  2793.   1715. 8.7  0. 68.   30.
  2
EB        MUL       AG  1989.  2789.  1849.  2784.      0. 48.   4
      150        88       3.0 1715   46.9 1468 1 3
  1
EB        MUL       AG  2089.  2793.  3078.  2844.   1565. 8.7  0. 44.   30.
  1
EB        US40      BR  1075.  2846.  2358.  2897.   1775. 8.6 15. 56.   35.
  1
EB        US40      BR  2358.  2897.  2794.  2848.   1775. 8.6 15. 56.   35.
  1
EB        US40      AG  2794.  2848.  3075.  2858.   1775. 8.6  0. 56.   35.
  1
WB        US40      AG  2979.  3201.  2659.  3162.    765. 8.6  0. 56.   35.
  1
WB        US40      BR  2659.  3162.  2329.  3087.    765. 8.6  15  68   35.
  1
WB        US40      BR  2329.  3087.  1320.  3038.    765. 8.6  15  68   35.
  1
WB        US40      BR  1320.  3038.  1073.  3002.    765. 8.6  15  68   35.
  1
WB        FRANK     AG  2987.  3218.  2139.  3169.   1440. 8.7  0. 56.   30.
  2
WB        FRANK     AG  2183.  3171.  2404.  3184.      0. 36.   3
      150        89       3.0 1440   46.9 1563 1 3
  1
WB        FRANK     AG  2139.  3169.  1105.  3123.   1970. 8.7  0. 56.   30.
1.0   04  1000   0Y  5  0 72
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JOB: Site C-1 MLK & Baltimore CO 2016 PM RUN: Site C-1 CO 2016 PM
DATE: 09/19/2012 TIME: 17:59:25.99

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB MLK AP	*	2135.0	161.0	2042.0	443.0	*	297.	342.	AG	2578.	8.6	.0	56.0		
2. NB MLK AP	*	2042.0	443.0	2012.0	664.0	*	223.	352.	AG	2578.	8.6	.0	56.0		
3. NB MLK AP	*	2012.0	664.0	2028.0	856.0	*	193.	5.	AG	2578.	8.6	.0	56.0		
4. NB MLK TR	*	2028.0	856.0	2109.0	1174.0	*	328.	14.	AG	2488.	8.6	.0	68.0		
5. NB MLK TRQ	*	2095.0	1119.0	2035.0	881.3	*	245.	194.	AG	235.	100.0	.0	48.0	.84	12.5
6. NB MLK L	*	2028.0	856.0	2017.0	903.0	*	48.	347.	AG	90.	8.6	.0	32.0		
7. NB MLK L	*	2017.0	903.0	2089.0	1173.0	*	279.	15.	AG	90.	8.6	.0	32.0		
8. NB MLK LQ	*	2074.0	1117.0	1944.3	627.3	*	507.	195.	AG	50.	100.0	.0	12.0	1.88	25.7
9. NB MLK D FAY	*	2109.0	1174.0	2145.0	1344.0	*	174.	12.	AG	2388.	8.6	.0	56.0		
10. NB MLK LTA FA	*	2145.0	1344.0	2173.0	1566.0	*	224.	7.	AG	2388.	8.6	.0	68.0		
11. NB MLK LTQ FA	*	2165.0	1509.0	2144.4	1337.2	*	173.	187.	AG	178.	100.0	.0	48.0	.82	8.8
12. NB MLK D FAY	*	2173.0	1566.0	2188.0	1656.0	*	91.	9.	AG	2655.	8.6	.0	56.0		
13. NB MLK A SAR	*	2188.0	1656.0	2193.0	1941.0	*	285.	1.	AG	2655.	8.6	.0	56.0		
14. NB MLK A SAR	*	2193.0	1941.0	2157.0	2311.0	*	372.	354.	AG	2655.	8.6	.0	56.0		
15. NB MLK TR SAR	*	2157.0	2311.0	2139.0	2484.0	*	174.	354.	AG	2615.	8.6	.0	56.0		
16. NB MLK TRQ SA	*	2146.0	2425.0	2220.7	1707.9	*	721.	174.	AG	164.	100.0	.0	36.0	1.03	36.6
17. NB MLK L SAR	*	2157.0	2311.0	2131.0	2365.0	*	60.	334.	AG	40.	8.6	.0	32.0		
18. NB MLK L SAR	*	2131.0	2365.0	2119.0	2484.0	*	120.	354.	AG	40.	8.6	.0	32.0		
19. NB MLK LQ SAR	*	2125.0	2427.0	2127.1	2407.7	*	19.	174.	AG	47.	100.0	.0	12.0	.77	1.0
20. NB MLK A MUL	*	2139.0	2484.0	2117.0	2791.0	*	308.	356.	AG	2525.	8.6	.0	56.0		
21. NB MLK TRQ MU	*	2120.0	2746.0	2200.1	1698.3	*	1051.	176.	AG	194.	100.0	.0	36.0	1.07	53.4
22. NB MLK A FRA	*	2117.0	2791.0	2116.0	2956.0	*	165.	360.	AG	2870.	8.6	.0	56.0		
23. NB MLK T A FR	*	2116.0	2956.0	2131.0	3176.0	*	221.	4.	AG	2525.	8.6	.0	56.0		
24. NB MLK TQ FRA	*	2128.0	3130.0	2110.1	2854.7	*	276.	184.	AG	151.	100.0	.0	36.0	.83	14.0
25. NB MLK L A FR	*	2116.0	2956.0	2096.0	3008.0	*	56.	339.	AG	345.	8.6	.0	32.0		
26. NB MLK L QFRA	*	2096.0	3008.0	2105.0	3170.0	*	162.	3.	AG	345.	8.6	.0	32.0		
27. NB MLK LQ FRA	*	2103.0	3132.0	2083.2	2825.6	*	307.	184.	AG	96.	100.0	.0	12.0	1.00	15.6
28. NB MLK D FRA	*	2131.0	3176.0	2153.0	3319.0	*	145.	9.	AG	2535.	8.6	.0	56.0		
29. NB MLK D FRA	*	2153.0	3319.0	2184.0	3423.0	*	109.	17.	AG	2535.	8.6	.0	56.0		
30. NB MLK D FRA	*	2184.0	3423.0	2254.0	3560.0	*	154.	27.	AG	2535.	8.6	.0	56.0		
31. NB MLK D FRA	*	2254.0	3560.0	2396.0	3748.0	*	236.	37.	AG	2535.	8.6	.0	56.0		
32. SB MLKTRAFRA	*	2341.0	3759.0	2244.0	3658.0	*	140.	224.	AG	2005.	8.6	.0	56.0		
33. SB MLKTAFRA	*	2244.0	3658.0	2132.0	3493.0	*	199.	214.	AG	1575.	8.6	.0	56.0		
34. SB MLKTAFRA	*	2132.0	3493.0	2064.0	3332.0	*	175.	203.	AG	1575.	8.6	.0	56.0		
35. SB MLKTAFRA	*	2064.0	3332.0	2024.0	3162.0	*	175.	193.	AG	1575.	8.6	.0	56.0		
36. SB MLKTQFRA	*	2034.0	3206.0	2145.9	3668.9	*	476.	14.	AG	242.	100.0	.0	36.0	1.02	24.2
37. SB MLKRFRA	*	2244.0	3658.0	2135.0	3562.0	*	145.	229.	AG	430.	8.6	.0	44.0		
38. SB MLKRAFRA	*	2135.0	3562.0	2040.0	3397.0	*	190.	210.	AG	430.	8.6	.0	44.0		
39. SB MLKRAFRA	*	2040.0	3397.0	1976.0	3186.0	*	220.	197.	AG	430.	8.6	.0	44.0		
40. SB MLKRQFRA	*	1985.0	3217.0	2017.5	3325.1	*	113.	17.	AG	161.	100.0	.0	24.0	.52	5.7
41. SB MLKDFRA	*	2024.0	3162.0	2029.0	3027.0	*	135.	178.	AG	1810.	8.6	.0	56.0		
42. SB MLKTRMUL	*	2029.0	3027.0	2042.0	2797.0	*	230.	177.	AG	1745.	8.6	.0	56.0		
43. SB MLKTRMUL	*	2040.0	2832.0	2028.3	3028.6	*	197.	357.	AG	156.	100.0	.0	36.0	.62	10.0
44. SB MLKLMUL	*	2029.0	3027.0	2054.0	2949.0	*	82.	162.	AG	65.	8.6	.0	32.0		

JOB: Site C-1 MLK & Baltimore CO 2016 PM RUN: Site C-1 CO 2016 PM
DATE: 09/19/2012 TIME: 17:59:25.99

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB MLKLMUL	*	2054.0	2949.0	2064.0	2802.0	*	147.	176.	AG	65.	8.6	.0	32.0		
46. SB MLK LQ MUL	*	2061.0	2844.0	2051.3	2996.9	*	153.	356.	AG	52.	100.0	.0	12.0	1.16	7.8
47. SB MLKASAR	*	2042.0	2797.0	2055.0	2668.0	*	130.	174.	AG	1790.	8.6	.0	56.0		
48. SB MLKTRSAR	*	2055.0	2668.0	2072.0	2477.0	*	192.	175.	AG	1735.	8.6	.0	56.0		
49. SB MLKTRSA	*	2067.0	2534.0	2049.2	2738.7	*	205.	355.	AG	164.	100.0	.0	36.0	.73	10.4
50. SB MLKLASAR	*	2055.0	2668.0	2080.0	2629.0	*	46.	147.	AG	55.	8.6	.0	32.0		
51. SB MLK LA SAR	*	2080.0	2629.0	2095.0	2483.0	*	147.	174.	AG	55.	8.6	.0	32.0		
52. SB MLKLQSA	*	2090.0	2532.0	2078.2	2645.8	*	114.	354.	AG	47.	100.0	.0	12.0	1.12	5.8
53. SB MLK A FAY	*	2072.0	2477.0	2125.0	1886.0	*	593.	175.	AG	1885.	8.6	.0	56.0		
54. SB MLKAFAY	*	2125.0	1886.0	2117.0	1558.0	*	328.	181.	AG	1885.	8.6	.0	56.0		
55. SB MLKFAY	*	2118.0	1601.0	2122.2	1783.8	*	183.	1.	AG	133.	100.0	.0	36.0	.73	9.3
56. SB MLKABAL	*	2117.0	1558.0	2089.0	1397.0	*	163.	190.	AG	2315.	8.6	.0	56.0		
57. SB MLKTRBAL	*	2089.0	1397.0	2030.0	1159.0	*	245.	194.	AG	2180.	8.6	.0	56.0		
58. SB MLKTRQBA	*	2045.0	1220.0	2279.4	2166.7	*	975.	14.	AG	176.	100.0	.0	36.0	1.09	49.5
59. SB MLKLBAL	*	2089.0	1397.0	2096.0	1330.0	*	67.	174.	AG	135.	8.6	.0	32.0		
60. SB MLKLBAL	*	2096.0	1330.0	2052.0	1157.0	*	179.	194.	AG	135.	8.6	.0	32.0		
61. SB MLKLBAL	*	2068.0	1221.0	2342.6	2277.3	*	1091.	15.	AG	59.	100.0	.0	12.0	3.38	55.4
62. SB MLK D BAL	*	2030.0	1159.0	1956.0	881.0	*	288.	195.	AG	2243.	8.6	.0	56.0		
63. SB MLK D BAL	*	1956.0	881.0	1942.0	661.0	*	220.	184.	AG	2243.	8.6	.0	56.0		
64. SB MLK D BAL	*	1942.0	661.0	1970.0	406.0	*	257.	174.	AG	2243.	8.6	.0	56.0		
65. SB MLK D BAL	*	1970.0	406.0	2079.0	127.0	*	300.	159.	AG	2243.	8.6	.0	56.0		

66. EB	BALT	*	1066.0	1093.0	2024.0	1153.0	*	960.	86.	AG	623.	8.7	.0	44.0		
67. EB	BALT	*	1968.0	1149.0	1806.7	1139.6	*	162.	267.	AG	159.	100.0	.0	24.0	.70	8.2
68. EB	BALT D	*	2030.0	1159.0	3081.0	1213.0	*	1052.	87.	AG	645.	8.7	.0	44.0		
69. WB	BALT	*	2000.0	1170.0	1055.0	1113.0	*	947.	267.	AG	240.	8.7	.0	32.0		
70. WB	FAY	*	2969.0	1609.0	2152.0	1562.0	*	818.	267.	AG	1270.	8.7	.0	68.0		
71. WB	FAY	*	2225.0	1566.0	2396.7	1575.9	*	172.	87.	AG	325.	100.0	.0	48.0	.78	8.7
72. WB	FAY	*	2152.0	1562.0	1122.0	1513.0	*	1031.	267.	AG	413.	8.7	.0	68.0		
73. EB	SAR	*	1281.0	2430.0	2095.0	2471.0	*	815.	87.	AG	60.	8.7	.0	32.0		
74. EB	SAR	*	2022.0	2467.0	1989.2	2465.4	*	33.	267.	AG	84.	100.0	.0	12.0	.20	1.7
75. EB	SAR D	*	2095.0	2471.0	3028.0	2519.0	*	934.	87.	AG	135.	8.7	.0	44.0		
76. WB	SAR	*	3038.0	2535.0	2143.0	2498.0	*	896.	268.	AG	360.	8.7	.0	44.0		
77. WB	SAR	*	2183.0	2500.0	2281.3	2504.0	*	98.	88.	AG	168.	100.0	.0	24.0	.48	5.0
78. WB	SAR D	*	2143.0	2498.0	1273.0	2442.0	*	872.	266.	AG	175.	8.7	.0	32.0		
79. EB	MUL	*	1074.0	2750.0	1751.0	2780.0	*	678.	87.	AG	1715.	8.7	.0	44.0		
80. EB	MUL	*	1751.0	2780.0	2089.0	2793.0	*	338.	88.	AG	1715.	8.7	.0	68.0		
81. EB	MUL	*	1989.0	2789.0	1783.2	2781.6	*	206.	268.	AG	295.	100.0	.0	48.0	.77	10.5
82. EB	MUL	*	2089.0	2793.0	3078.0	2844.0	*	990.	87.	AG	1565.	8.7	.0	44.0		
83. EB	US40	*	1075.0	2846.0	2358.0	2897.0	*	1284.	88.	BR	1775.	8.6	15.0	56.0		
84. EB	US40	*	2358.0	2897.0	2794.0	2848.0	*	439.	96.	BR	1775.	8.6	15.0	56.0		
85. EB	US40	*	2794.0	2848.0	3075.0	2858.0	*	281.	88.	AG	1775.	8.6	.0	56.0		
86. WB	US40	*	2979.0	3201.0	2659.0	3162.0	*	322.	263.	AG	765.	8.6	.0	56.0		
87. WB	US40	*	2659.0	3162.0	2329.0	3087.0	*	338.	257.	BR	765.	8.6	15.0	68.0		
88. WB	US40	*	2329.0	3087.0	1320.0	3038.0	*	1010.	267.	BR	765.	8.6	15.0	68.0		
89. WB	US40	*	1320.0	3038.0	1073.0	3002.0	*	250.	262.	BR	765.	8.6	15.0	68.0		
90. WB	FRANK	*	2987.0	3218.0	2139.0	3169.0	*	849.	267.	AG	1440.	8.7	.0	56.0		
91. WB	FRANK	*	2183.0	3171.0	2424.4	3185.2	*	242.	87.	AG	224.	100.0	.0	36.0	.82	12.3
92. WB	FRANK	*	2139.0	3169.0	1105.0	3123.0	*	1035.	267.	AG	1970.	8.7	.0	56.0		

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JOB: Site C-1 MLK & Baltimore CO 2016 PM RUN: Site C-1 CO 2016 PM
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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. NB MLK TRQ	*	150	70	3.0	2488	1481	46.90	1	3
8. NB MLK LQ	*	150	60	3.0	90	85	46.90	1	3
11. NB MLK LTQ FA	*	150	53	3.0	2388	1195	46.90	1	3
16. NB MLK TRQ SA	*	150	65	3.0	2615	1584	46.90	1	3
19. NB MLK LQ SAR	*	150	56	3.0	40	89	46.90	1	3
21. NB MLK TRQ MU	*	150	77	3.0	2525	1733	46.90	1	3
24. NB MLK TQ FRA	*	150	60	3.0	2525	1784	46.90	1	3
27. NB MLK LQ FRA	*	150	115	3.0	345	1727	46.90	1	3
36. SB MLKTQFRA	*	150	96	3.0	1575	1582	46.90	1	3
40. SB MLKRQFRA	*	150	96	3.0	430	1270	46.90	1	3
43. SB MLKTRMUL	*	150	62	3.0	1745	1695	46.90	1	3
46. SB MLK LQ MUL	*	150	62	3.0	65	103	46.90	1	3
49. SB MLKTRSA	*	150	65	3.0	1735	1491	46.90	1	3
52. SB MLKLQSA	*	150	56	3.0	55	84	46.90	1	3
55. SB MLKFAY	*	150	53	3.0	1895	1405	46.90	1	3
58. SB MLKTRQBA	*	150	70	3.0	2180	1339	46.90	1	3
61. SB MLKLBAL	*	150	70	3.0	135	81	46.90	1	3
67. EB BALT	*	150	95	3.0	623	1341	46.90	1	3
71. WB FAY	*	150	97	3.0	1270	1279	46.90	1	3
74. EB SAR	*	150	100	3.0	60	1026	46.90	1	3
77. WB SAR	*	150	100	3.0	360	1242	46.90	1	3
81. EB MUL	*	150	88	3.0	1715	1468	46.90	1	3
91. WB FRANK	*	150	89	3.0	1440	1563	46.90	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. S6 R1 SE MID	*	2067.0	801.0	5.0	*
2. S6 R2 SE COR RED	*	2092.0	968.0	5.0	*
3. S6 R3 82 SE	*	2112.0	1043.0	5.0	*
4. S6 R4 SE COR	*	2139.0	1143.0	5.0	*
5. S6 R5 82 ES	*	2237.0	1146.0	5.0	*
6. S6 R6 164 ES	*	2320.0	1149.0	5.0	*
7. S6 R7 MID ES	*	2537.0	1157.0	5.0	*
8. S6 R8 MID EN	*	2537.0	1229.0	5.0	*
9. S6 R9 164 EN	*	2326.0	1213.0	5.0	*
10. S6 R10 82 EN	*	2236.0	1208.0	5.0	*
11. S6 R11 NE COR	*	2145.0	1207.0	5.0	*
12. S6 R12 82 NE	*	2164.0	1292.0	5.0	*
13. S6 R13 164 NE	*	2179.0	1375.0	5.0	*
14. S6 R14 SE COR FAY	*	2210.0	1529.0	5.0	*
15. S6 R15 NE COR FAY	*	2220.0	1608.0	5.0	*
16. S6 R16 NW COR FAY	*	2073.0	1601.0	5.0	*
17. S6 R17 164 NW	*	2054.0	1380.0	5.0	*
18. S6 R18 82 NW	*	2037.0	1298.0	5.0	*
19. S6 R19 NW COR	*	2002.0	1197.0	5.0	*
20. S6 R20 82 WN	*	1909.0	1187.0	5.0	*
21. S6 R21 164 WN	*	1828.0	1179.0	5.0	*
22. S6 R22 MID WN	*	1592.0	1167.0	5.0	*

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JOB: Site C-1 MLK & Baltimore CO 2016 PM RUN: Site C-1 CO 2016 PM
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RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
23. S6 R23 MID WS	1585.0	1108.0	5.0
24. S6 R24 164 WS	1789.0	1120.0	5.0
25. S6 R25 82 WS	1873.0	1126.0	5.0
26. S6 R26 SW COR	1972.0	1122.0	5.0
27. S6 R27 82 SW	1958.0	1026.0	5.0
28. S6 R28 164 SW	1939.0	947.0	5.0
29. S6 R29 MID SW	1911.0	798.0	5.0

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JOB: Site C-1 MLK & Baltimore CO 2016 PM RUN: Site C-1 CO 2016 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	1.5	2.3	2.4	2.3	1.1	.7	.3	.1	.5	1.0	2.4	2.6	3.0	2.3	2.0	.7	1.1	1.0	.5	.0
5.	1.5	2.5	2.3	2.1	.9	.5	.3	.1	.3	.7	2.3	2.5	2.4	2.1	1.6	1.2	1.5	1.5	.9	.1
10.	1.2	1.9	2.0	1.8	.6	.4	.3	.1	.2	.5	2.0	2.1	2.0	1.8	1.2	1.3	1.8	2.0	1.4	.4
15.	.7	1.6	1.3	1.3	.4	.4	.3	.1	.2	.2	1.4	1.4	1.4	1.2	.7	1.7	2.3	2.2	1.8	.7
20.	.5	1.1	.9	.9	.4	.3	.3	.1	.1	.2	.9	1.2	1.2	1.2	.4	2.0	2.3	2.4	1.8	.7
25.	.2	.7	.6	.6	.4	.3	.3	.1	.1	.2	.7	.7	.7	.8	.2	2.0	2.4	2.6	2.2	.8
30.	.1	.4	.6	.5	.3	.3	.3	.1	.1	.2	.5	.6	.6	.9	.0	2.1	2.6	2.8	2.0	1.0
35.	.0	.4	.3	.4	.3	.3	.3	.1	.1	.1	.3	.4	.5	1.1	.0	2.0	2.4	2.5	2.0	.9
40.	.0	.2	.3	.3	.3	.3	.2	.1	.1	.1	.3	.3	.4	1.1	.0	1.9	2.3	2.3	2.0	.9
45.	.0	.2	.3	.3	.3	.3	.2	.0	.1	.1	.2	.3	.4	1.2	.0	1.9	2.5	2.3	1.8	1.0
50.	.0	.2	.2	.3	.3	.2	.2	.0	.1	.1	.2	.3	.3	1.3	.0	1.9	2.3	2.4	1.7	1.0
55.	.0	.2	.2	.4	.3	.2	.2	.0	.1	.1	.2	.2	.3	1.3	.0	1.7	2.2	2.1	1.6	.9
60.	.0	.2	.2	.3	.3	.3	.2	.0	.0	.0	.2	.2	.3	1.4	.0	1.6	2.2	2.1	1.3	.8
65.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.1	.2	1.4	.1	1.4	2.1	2.0	1.2	.7
70.	.0	.1	.2	.3	.3	.3	.3	.0	.0	.0	.1	.1	.2	1.4	.1	1.6	2.1	1.8	1.0	.5
75.	.0	.0	.1	.3	.3	.3	.3	.0	.1	.1	.0	.0	.2	1.3	.2	1.6	2.0	1.6	1.0	.6
80.	.0	.0	.1	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	1.2	.4	1.8	2.0	1.7	1.0	.5
85.	.0	.0	.0	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	.9	.6	1.7	1.8	1.5	.9	.6
90.	.0	.0	.0	.3	.2	.2	.2	.1	.2	.2	.1	.0	.0	.8	.8	1.8	1.8	1.5	1.0	.6
95.	.0	.0	.0	.2	.2	.2	.1	.1	.2	.2	.2	.1	.0	.6	.9	1.9	1.7	1.6	1.0	.8
100.	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.2	.1	.0	.3	1.2	1.9	1.8	1.6	1.0	.8
105.	.0	.0	.0	.1	.1	.1	.0	.2	.2	.2	.2	.1	.0	.2	1.3	1.9	1.7	1.6	1.0	.9
110.	.0	.0	.0	.1	.1	.0	.0	.2	.2	.2	.2	.1	.0	.1	1.3	1.7	1.7	1.6	1.0	1.0
115.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.1	1.3	1.7	1.7	1.6	1.2	.9
120.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.3	1.4	1.7	1.6	1.1	.9
125.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.3	1.7	1.7	1.6	1.1	1.0
130.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.3	1.5	1.8	1.6	1.2	1.0
135.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.2	1.5	1.5	1.7	1.2	1.1
140.	.0	.1	.1	.0	.0	.0	.0	.1	.2	.2	.1	.2	.0	.0	1.1	1.5	1.5	1.8	1.3	1.2
145.	.0	.1	.1	.1	.0	.0	.0	.1	.2	.2	.1	.2	.0	.0	1.1	1.5	1.6	1.8	1.3	1.2
150.	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.1	.2	.1	.0	1.0	1.6	1.8	2.0	1.5	1.2
155.	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.2	.2	.1	.0	1.0	1.7	1.8	1.9	1.4	1.1
160.	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1	.2	.2	.1	.1	.9	1.8	1.8	2.1	1.5	1.1
165.	.2	.1	.1	.1	.0	.0	.0	.1	.1	.1	.3	.2	.1	.1	.8	1.8	2.0	2.1	1.6	1.2
170.	.2	.2	.1	.1	.0	.0	.0	.1	.1	.1	.3	.2	.3	.1	.9	1.7	2.1	1.9	1.6	1.2
175.	.5	.5	.4	.3	.0	.0	.0	.1	.1	.1	.5	.5	.4	.3	.9	1.5	2.0	2.0	1.6	1.0
180.	.5	.7	.6	.3	.0	.0	.0	.1	.1	.1	.6	.6	.8	.5	1.1	1.5	1.9	1.9	1.6	.8
185.	.7	1.0	.8	.8	.0	.0	.0	.1	.1	.1	1.1	.7	.9	.8	1.2	1.1	1.7	1.9	1.2	.7
190.	.9	1.2	1.2	1.0	.0	.0	.0	.1	.1	.1	1.4	1.2	1.3	1.0	1.7	.9	1.4	1.5	1.1	.6
195.	1.0	1.4	1.5	1.4	.1	.0	.0	.1	.1	.4	1.7	1.5	1.5	1.5	1.8	.6	1.1	1.2	.6	.5
200.	1.0	1.6	1.8	1.7	.3	.0	.0	.1	.1	.5	1.8	1.5	1.6	1.7	2.2	.4	.9	.8	.6	.5
205.	.9	1.8	1.9	1.8	.5	.1	.0	.1	.1	.6	2.1	1.6	1.7	2.1	2.0	.1	.6	.7	.5	.5

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JOB: Site C-1 MLK & Baltimore CO 2016 PM RUN: Site C-1 CO 2016 PM

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.0	1.8	2.0	1.9	.4	.2	.0	.1	.5	.9	1.9	1.7	1.8	2.0	2.2	.1	.5	.5	.4	.5
215.	1.0	1.8	2.0	1.9	.6	.2	.0	.1	.6	1.0	1.8	1.5	1.8	1.9	1.9	.1	.2	.5	.5	.5
220.	.9	1.8	2.0	1.8	.7	.4	.0	.2	.6	.9	1.5	1.4	1.9	1.9	1.9	.1	.2	.3	.4	.6
225.	1.0	2.0	2.0	1.7	.7	.4	.0	.2	.7	.8	1.5	1.4	2.0	1.8	1.8	.1	.2	.3	.4	.6
230.	1.0	2.0	2.0	1.7	.8	.6	.0	.3	.7	.9	1.5	1.4	1.9	1.7	1.8	.1	.1	.3	.6	.6
235.	.9	1.7	1.9	1.5	.7	.5	.0	.4	.7	.9	1.3	1.3	2.0	1.7	1.7	.1	.1	.3	.6	.6
240.	.9	1.8	1.8	1.4	.8	.5	.2	.5	.6	.9	1.5	1.4	1.9	1.6	1.7	.1	.1	.3	.6	.6
245.	1.0	1.8	1.8	1.4	.7	.5	.3	.5	.6	.7	1.4	1.5	1.9	1.5	1.5	.1	.0	.2	.6	.5
250.	1.0	1.8	1.8	1.3	.8	.6	.4	.5	.6	.9	1.3	1.5	1.7	1.5	1.7	.2	.0	.2	.5	.5
255.	1.0	1.6	1.7	1.3	.8	.5	.4	.5	.7	.7	1.3	1.3	1.8	1.6	1.7	.1	.0	.1	.5	.4
260.	1.0	1.7	1.7	1.2	.7	.5	.4	.3	.6	.8	1.3	1.3	1.7	1.6	1.6	.1	.0	.0	.4	.4
265.	1.0	1.6	1.6	1.4	.8	.6	.5	.4	.5	.8	1.1	1.2	1.7	1.5	1.5	.1	.0	.0	.3	.3
270.	1.0	1.6	1.6	1.4	1.0	.8	.3	.3	.4	.7	1.2	1.2	1.7	1.5	1.5	.1	.0	.0	.3	.2
275.	1.0	1.7	1.8	1.3	.9	.7	.4	.4	.4	.6	1.2	1.3	1.8	1.6	1.4	.1	.0	.0	.1	.1
280.	1.0	1.8	2.0	1.2	.9	.6	.5	.3	.4	.6	1.1	1.3	1.8	1.6	1.3	.0	.0	.0	.0	.0

285. *	.9	1.9	2.0	1.3	.6	.7	.6	.4	.4	.6	1.2	1.3	1.7	1.6	1.3	.0	.0	.0	.0	.0
290. *	.8	1.9	1.9	1.2	.8	.6	.5	.3	.4	.6	1.2	1.2	1.7	1.5	1.4	.0	.0	.0	.0	.0
295. *	.9	1.8	1.8	1.1	.8	.6	.6	.3	.3	.6	1.1	1.2	1.7	1.6	1.4	.0	.0	.0	.0	.0
300. *	1.0	1.9	1.8	1.1	.7	.6	.4	.4	.5	.6	1.2	1.2	1.8	1.8	1.5	.0	.0	.0	.0	.0
305. *	.9	1.9	1.8	1.3	.7	.5	.5	.2	.6	.6	1.2	1.2	1.7	1.6	1.5	.0	.0	.0	.0	.0
310. *	.9	1.9	1.7	1.2	.7	.6	.4	.3	.6	.5	1.2	1.4	1.9	1.7	1.5	.0	.0	.0	.0	.0
315. *	1.2	1.9	1.7	1.3	.7	.8	.4	.4	.5	.8	1.3	1.4	1.9	1.7	1.6	.0	.0	.1	.0	.0
320. *	1.1	1.9	1.8	1.3	.6	.8	.5	.5	.5	.8	1.3	1.5	2.0	1.8	1.7	.0	.0	.1	.0	.0
325. *	1.1	1.9	1.7	1.4	1.0	.7	.6	.7	.6	.8	1.3	1.8	2.2	2.0	1.5	.0	.0	.1	.0	.0
330. *	1.1	1.9	1.8	1.5	1.0	.6	.8	.6	.5	.8	1.6	1.8	2.2	2.0	1.9	.0	.0	.1	.0	.0
335. *	1.2	2.0	1.9	1.6	1.0	.7	.8	.8	.7	.9	1.6	1.8	2.2	2.1	1.9	.0	.0	.1	.0	.0
340. *	1.3	2.1	1.9	1.6	1.0	.9	.7	.6	.9	1.0	1.7	2.0	2.3	2.2	2.3	.0	.0	.1	.0	.0
345. *	1.5	2.0	1.9	1.9	1.2	1.1	.6	.4	1.0	1.1	1.8	2.1	2.9	2.4	2.4	.1	.0	.1	.0	.0
350. *	1.6	2.1	2.1	2.1	1.4	1.2	.4	.2	.8	1.3	2.0	2.5	3.0	2.6	2.3	.3	.3	.2	.1	.0
355. *	1.5	2.3	2.4	2.4	1.2	.8	.3	.1	.7	1.2	2.3	2.7	2.9	2.3	2.4	.6	.5	.7	.2	.0
360. *	1.5	2.3	2.4	2.3	1.1	.7	.3	.1	.5	1.0	2.4	2.6	3.0	2.3	2.0	.7	1.1	1.0	.5	.0
MAX *	1.6	2.5	2.4	2.4	1.4	1.2	.8	.8	1.0	1.3	2.4	2.7	3.0	2.6	2.4	2.1	2.6	2.8	2.2	1.2
DEGR. *	350	5	0	355	350	350	330	335	345	350	0	355	350	350	345	30	30	30	25	140

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JOB: Site C-1 MLK & Baltimore CO 2016 PM RUN: Site C-1 CO 2016 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29
0. *	.0	.0	.3	.3	.8	.6	.6	.5	.5
5. *	.0	.0	.3	.3	.9	1.0	.7	.6	.7
10. *	.1	.0	.3	.4	1.0	1.3	1.2	.9	.9
15. *	.3	.0	.3	.5	1.1	1.6	1.5	1.2	1.1
20. *	.4	.1	.4	.7	1.3	1.6	1.5	1.3	1.3
25. *	.5	.1	.4	.8	1.5	1.8	1.5	1.4	1.5
30. *	.5	.1	.4	1.0	1.6	1.6	1.5	1.4	1.5
35. *	.7	.2	.5	.9	1.5	1.6	1.4	1.3	1.5
40. *	.5	.2	.5	1.1	1.6	1.7	1.5	1.3	1.4
45. *	.7	.1	.4	1.1	1.9	1.4	1.3	1.3	1.3
50. *	.8	.1	.5	1.3	1.8	1.4	1.2	1.4	1.3
55. *	.8	.1	.5	1.5	1.6	1.3	1.3	1.4	1.2
60. *	.7	.2	.6	1.4	1.5	1.0	1.2	1.5	1.0
65. *	.6	.3	.6	1.2	1.3	1.1	1.2	1.4	1.1
70. *	.4	.2	.7	1.2	1.6	1.1	1.3	1.3	1.0
75. *	.4	.2	.6	1.3	1.3	1.1	1.3	1.3	.9
80. *	.4	.5	.5	1.3	1.3	1.2	1.2	1.3	1.0
85. *	.8	.4	.6	1.2	1.3	1.1	1.1	1.2	.9
90. *	.8	.5	.7	.9	1.1	1.0	1.1	1.2	.9
95. *	.9	.6	.6	.8	1.0	1.1	1.2	1.2	.9
100. *	.9	.7	.5	.7	.7	1.1	1.2	1.2	.9
105. *	1.0	.7	.4	.7	.8	1.0	1.2	1.2	.9
110. *	1.0	.6	.4	.7	.8	1.1	1.2	1.2	.9
115. *	1.1	.6	.4	.5	.7	1.1	1.2	1.1	.9
120. *	1.2	.6	.3	.4	.6	1.1	1.1	1.1	.9
125. *	1.3	.5	.2	.4	.6	1.1	1.1	1.0	.9
130. *	1.2	.5	.2	.3	.6	1.1	1.1	1.0	1.1
135. *	1.1	.5	.2	.4	.6	1.1	1.3	1.2	1.0
140. *	1.0	.3	.1	.5	.5	1.1	1.3	1.1	1.1
145. *	1.0	.3	.1	.4	.5	1.1	1.3	1.0	1.3
150. *	1.0	.2	.0	.4	.6	1.2	1.2	1.3	1.2
155. *	.9	.2	.0	.4	.6	1.4	1.2	1.3	1.4
160. *	.9	.2	.0	.4	.5	1.3	1.4	1.5	1.2
165. *	1.0	.2	.0	.3	.6	1.4	1.4	1.5	1.1
170. *	.7	.2	.0	.2	.5	1.4	1.6	1.4	1.0
175. *	.6	.2	.0	.0	.2	1.2	1.5	1.3	.9
180. *	.5	.2	.0	.0	.2	1.1	1.1	1.1	.6
185. *	.5	.2	.0	.0	.1	.9	1.0	.9	.4
190. *	.5	.2	.0	.0	.0	.6	.7	.7	.2
195. *	.5	.2	.0	.0	.0	.3	.5	.5	.2
200. *	.4	.2	.0	.0	.0	.2	.3	.3	.0
205. *	.4	.2	.0	.0	.0	.1	.3	.2	.0

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JOB: Site C-1 MLK & Baltimore CO 2016 PM RUN: Site C-1 CO 2016 PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29
210. *	.4	.2	.0	.0	.0	.0	.1	.2	.0
215. *	.4	.2	.0	.0	.0	.0	.1	.1	.0
220. *	.4	.3	.0	.0	.0	.0	.0	.0	.0
225. *	.4	.3	.0	.0	.0	.0	.0	.0	.0
230. *	.4	.3	.0	.0	.0	.0	.0	.0	.0

235.	*	.3	.3	.1	.1	.1	.0	.0	.0	.0
240.	*	.3	.3	.1	.1	.1	.0	.0	.0	.0
245.	*	.3	.3	.1	.1	.1	.0	.0	.0	.0
250.	*	.3	.3	.1	.1	.3	.1	.0	.0	.0
255.	*	.3	.3	.2	.2	.3	.2	.0	.0	.0
260.	*	.3	.2	.3	.3	.5	.2	.0	.0	.0
265.	*	.2	.2	.3	.3	.5	.4	.0	.0	.0
270.	*	.2	.2	.3	.4	.7	.5	.0	.0	.0
275.	*	.2	.1	.4	.4	.8	.7	.1	.0	.0
280.	*	.0	.0	.4	.4	.9	.8	.1	.0	.0
285.	*	.0	.0	.4	.4	.9	.8	.1	.0	.0
290.	*	.0	.0	.4	.4	1.0	.8	.1	.0	.0
295.	*	.0	.0	.4	.4	1.0	.8	.1	.1	.0
300.	*	.0	.0	.4	.4	1.0	.8	.2	.1	.0
305.	*	.0	.0	.3	.3	.9	.8	.2	.1	.0
310.	*	.0	.0	.3	.3	.9	.7	.2	.1	.0
315.	*	.0	.0	.3	.3	.9	.6	.2	.1	.0
320.	*	.0	.0	.3	.3	.9	.6	.2	.0	.0
325.	*	.0	.0	.3	.3	.8	.6	.2	.1	.0
330.	*	.0	.0	.3	.3	.8	.6	.3	.1	.0
335.	*	.0	.0	.3	.3	.8	.5	.3	.1	.0
340.	*	.0	.0	.3	.3	.8	.5	.2	.1	.0
345.	*	.0	.0	.3	.3	.8	.5	.2	.2	.0
350.	*	.0	.0	.3	.3	.8	.4	.2	.2	.2
355.	*	.0	.0	.3	.2	.8	.4	.3	.2	.3
360.	*	.0	.0	.3	.3	.8	.6	.6	.5	.5
MAX	*	1.3	.7	.7	1.5	1.9	1.8	1.6	1.5	1.5
DEGR.	*	125	100	70	55	45	25	170	60	30

THE HIGHEST CONCENTRATION IS 3.00 PPM AT 350 DEGREES FROM REC13.
THE 2ND HIGHEST CONCENTRATION IS 2.80 PPM AT 30 DEGREES FROM REC18.
THE 3RD HIGHEST CONCENTRATION IS 2.70 PPM AT 355 DEGREES FROM REC12.

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Site C-1 MLK & Baltimore NB 2016 AM     60.0321.0.0000.000290.30480000    1    1
S6 R1 SE MID             2067.      801.        5.
S6 R2 SE COR RED         2092.      968.        5.
S6 R3 82 SE              2112.     1043.        5.
S6 R4 SE COR             2139.     1143.        5.
S6 R5 82 ES              2237.     1146.        5.
S6 R6 164 ES             2320.     1149.        5.
S6 R7 MID ES             2537.     1157.        5.
S6 R8 MID EN             2537.     1229.        5.
S6 R9 164 EN             2326.     1213.        5.
S6 R10 82 EN             2236.     1208.        5.
S6 R11 NE COR            2145.     1207.        5.
S6 R12 82 NE             2164.     1292.        5.
S6 R13 164 NE            2179.     1375.        5.
S6 R14 SE COR FAY        2210.     1529.        5.
S6 R15 NE COR FAY        2220.     1608.        5.
S6 R16 NW COR FAY        2073.     1601.        5.
S6 R17 164 NW            2054.     1380.        5.
S6 R18 82 NW             2037.     1298.        5.
S6 R19 NW COR            2002.     1197.        5.
S6 R20 82 WN             1909.     1187.        5.
S6 R21 164 WN            1828.     1179.        5.
S6 R22 MID WN            1592.     1167.        5.
S6 R23 MID WS            1585.     1108.        5.
S6 R24 164 WS            1789.     1120.        5.
S6 R25 82 WS             1873.     1126.        5.
S6 R26 SW COR            1972.     1122.        5.
S6 R27 82 SW             1958.     1026.        5.
S6 R28 164 SW            1939.      947.        5.
S6 R29 MID SW            1911.      798.        5.
Site C-1 No Build 2016 AM               92  1   0
  1
NB        MLK AP    AG  2135.   161.  2042.   443.   2710. 8.6  0. 56.   35.
  1
NB        MLK AP    AG  2042.   443.  2012.   664.   2710. 8.6  0. 56.   35.
  1
NB        MLK AP    AG  2012.   664.  2028.   856.   2710. 8.6  0. 56.   35.
  1
NB        MLK TR    AG  2028.   856.  2109.  1174.   2515. 8.6  0. 68.   35.
  2
NB        MLK TRQ   AG  2095.  1119.  2046.   925.      0. 48.   4
       150        63       3.0 2515   46.9 1589 1 3
  1
NB        MLK L     AG  2028.   856.  2017.   903.    195. 8.6  0. 32.   35.
  1
NB        MLK L     AG  2017.   903.  2089.  1173.    195. 8.6  0. 32.   35.
  2
NB        MLK LQ    AG  2074.  1117.  2025.   932.      0. 12.   1
       150        49       3.0  195   46.9   76 1 3
  1
NB        MLK D FAY AG  2109.  1174.  2145.  1344.   2100. 8.6  0. 56.   35.
  1
NB        MLK LTA FAAG  2145.  1344.  2173.  1566.   2100. 8.6  0. 68.   35.
  2
NB        MLK LTQ FAAG  2165.  1509.  2150.  1384.      0. 48.   4
       150        45       3.0 2100   46.9 1253 1 3
  1
NB        MLK D FAY AG  2173.  1566.  2188.  1656.   2195. 8.6  0. 56.   35.
  1
NB        MLK A SAR AG  2188.  1656.  2193.  1941.   1945. 8.6  0. 56.   35.
  1
NB        MLK A SAR AG  2193.  1941.  2157.  2311.   1945. 8.6  0. 56.   35.
  1
NB        MLK TR SARAG  2157.  2311.  2139.  2484.   1920. 8.6  0. 56.   35.
  2
NB        MLK TRQ SAAG  2146.  2425.  2156.  2329.      0. 36.   3
       150        65       3.0 1920   46.9 1800 1 3
  1
NB        MLK L SAR AG  2157.  2311.  2131.  2365.     25. 8.6  0. 32.   35.
  1
NB        MLK L SAR AG  2131.  2365.  2119.  2484.     25. 8.6  0. 32.   35.
  2
NB        MLK LQ SARAG  2125.  2427.  2130.  2380.      0. 12.   1
       150        56       3.0   25   46.9   85 1 3
  1
NB        MLK A MUL AG  2139.  2484.  2117.  2791.   1790. 8.6  0. 56.   35.
  2
NB        MLK TRQ MUAG  2120.  2746.  2132.  2589.      0. 36.   3
       150        84       3.0 1790   46.9 1800 1 3
  1
NB        MLK A FRA AG  2117.  2791.  2116.  2956.   2160. 8.6  0. 56.   35.
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  1
NB        MLK T A FRAG  2116.  2956.  2131.  3176.   2015. 8.6  0. 56.   35.
  2
NB        MLK TQ FRAAG  2128.  3130.  2123.  3053.      0. 36.   3
       150        43       3.0 2015   46.9 1800 1 3
  1
NB        MLK L A FRAG  2116.  2956.  2096.  3008.    145. 8.6  0. 32.   35.
  1
NB        MLK L QFRAAG  2096.  3008.  2105.  3170.    145. 8.6  0. 32.   35.
  2
NB        MLK LQ FRAAG  2103.  3132.  2097.  3039.      0. 12.   1
       150       129       3.0  145   46.9 1486 1 3
  1
NB        MLK D FRA AG  2131.  3176.  2153.  3319.   2020. 8.6  0. 56.   35.
  1
NB        MLK D FRA AG  2153.  3319.  2184.  3423.   2020. 8.6  0. 56.   35.
  1
NB        MLK D FRA AG  2184.  3423.  2254.  3560.   2020. 8.6  0. 56.   35.
  1
NB        MLK D FRA AG  2254.  3560.  2396.  3748.   2020. 8.6  0. 56.   35.
  1
SB        MLKTRAFRA AG  2341.  3759.  2244.  3658.   2845. 8.6  0. 56.   35.
  1
SB        MLKTAFRA  AG  2244.  3658.  2132.  3493.   2565. 8.6  0. 56.   35.
  1
SB        MLKTAFRA  AG  2132.  3493.  2064.  3332.   2565. 8.6  0. 56.   35.
  1
SB        MLKTAFRA  AG  2064.  3332.  2024.  3162.   2565. 8.6  0. 56.   35.
  2
SB        MLKTQFRA  AG  2034.  3206.  2056.  3297.      0. 36.   3
       150        64       3.0 2565   46.9 1700 1 3
  1
SB        MLKRFRA   AG  2244.  3658.  2135.  3562.    280. 8.6  0. 44.   35.
  1
SB        MLKRAFRA  AG  2135.  3562.  2040.  3397.    280. 8.6  0. 44.   35.
  1
SB        MLKRAFRA  AG  2040.  3397.  1976.  3186.    280. 8.6  0. 44.   35.
  2
SB        MLKRQFRA  AG  1985.  3217.  2013.  3310.      0. 24.   2
       150        64       3.0  280   46.9 1148 1 3
  1
SB        MLKDFRA   AG  2024.  3162.  2029.  3027.   2740. 8.6  0. 56.   35.
  1
SB        MLKTRMUL  AG  2029.  3027.  2042.  2797.   2680. 8.6  0. 56.   35.
  2
SB        MLKTRMUL  AG  2040.  2832.  2034.  2933.      0. 36.   3
       150        73       3.0 2680   46.9 1600 1 3
  1
SB        MLKLMUL   AG  2029.  3027.  2054.  2949.     60. 8.6  0. 32.   35.
  1
SB        MLKLMUL   AG  2054.  2949.  2064.  2802.     60. 8.6  0. 32.   35.
  2
SB        MLK LQ MULAG  2061.  2844.  2055.  2939.      0. 12.   1
       150        74       3.0   60   46.9  103 1 3
  1
SB        MLKASAR   AG  2042.  2797.  2055.  2668.   2850. 8.6  0. 56.   35.
  1
SB        MLKTRSAR  AG  2055.  2668.  2072.  2477.   2645. 8.6  0. 56.   35.
  2
SB        MLKTRSA   AG  2067.  2534.  2057.  2649.      0. 36.   3
       150        50       3.0 2645   46.9 1517 1 3
  1
SB        MLKLASAR  AG  2055.  2668.  2080.  2629.    205. 8.6  0. 32.   35.
  1
SB        MLK LA SARAG  2080.  2629.  2095.  2483.    205. 8.6  0. 32.   35.
  2
SB        MLKLQSA   AG  2090.  2532.  2081.  2619.      0. 12.   1
       150        38       3.0  205   46.9   81 1 3
  1
SB        MLK A FAY AG  2072.  2477.  2125.  1886.   2610. 8.6  0. 56.   35.
  1
SB        MLKAFAY   AG  2125.  1886.  2117.  1558.   2610. 8.6  0. 56.   35.
  2
SB        MLKFAY    AG  2118.  1601.  2121.  1732.      0. 36.   3
       150        39       3.0 2610   46.9 1417 1 3
  1
SB        MLKABAL   AG  2117.  1558.  2089.  1397.   2895. 8.6  0. 56.   35.
  1
SB        MLKTRBAL  AG  2089.  1397.  2030.  1159.   2795. 8.6  0. 56.   35.
  2
SB        MLKTRQBA  AG  2045.  1220.  2071.  1325.      0. 36.   3
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      150        64       3.0 2795   46.9 1625 1 3
  1
SB        MLKLBAL   AG  2089.  1397.  2096.  1330.    100. 8.6  0. 32.   35.
  1
SB        MLKLBAL   AG  2096.  1330.  2052.  1157.    100. 8.6  0. 32.   35.
  2
SB        MLKLBAL   AG  2068.  1221.  2094.  1321.      0. 12.   1
      150        51       3.0  100   46.9   77 1 3
  1
SB        MLK D BAL AG  2030.  1159.  1956.   881.   2790. 8.6  0. 56.   35.
  1
SB        MLK D BAL AG  1956.   881.  1942.   661.   2790. 8.6  0. 56.   35.
  1
SB        MLK D BAL AG  1942.   661.  1970.   406.   2790. 8.6  0. 56.   35.
  1
SB        MLK D BAL AG  1970.   406.  2079.   127.   2790. 8.6  0. 56.   35.
  1
EB        BALT      AG  1066.  1093.  2024.  1153.     190 8.7  0. 44.   30.
  2
EB        BALT      AG  1968.  1149.  1831.  1141.      0. 24.   2
      150       105       3.0  190   46.9 1396 1 3
  1
EB        BALT D    AG  2030.  1159.  3081.  1213.    680. 8.7  0. 44.   30.
  1
WB        BALT      AG  2000.  1170.  1055.  1113.    225. 8.7  0. 32.   30.
  1
WB        FAY       AG  2969.  1609.  2152.  1562.    585. 8.7  0. 68.   30.
  2
WB        FAY       AG  2225.  1566.  2468.  1580.      0. 48.   4
      150       122       3.0  585   46.9 1275 1 3
  1
WB        FAY       AG  2152.  1562.  1122.  1513.    250. 8.7  0. 68.   30.
  1
EB        SAR       AG  1281.  2430.  2095.  2471.    155. 8.7  0. 32.   30.
  2
EB        SAR       AG  2022.  2467.  1857.  2459.      0. 12.   1
      150       114       3.0  155   46.9 1241 1 3
  1
EB        SAR D     AG  2095.  2471.  3028.  2519.    525. 8.7  0. 44.   30.
  1
WB        SAR       AG  3038.  2535.  2143.  2498.    125. 8.7  0. 44.   30.
  2
WB        SAR       AG  2183.  2500.  2479.  2512.      0. 24.   2
      150       114       3.0  125   46.9 1259 1 3
  1
WB        SAR D     AG  2143.  2498.  1273.  2442.    145. 8.7  0. 32.   30.
  1
EB        MUL       AG  1074.  2750.  1751.  2780.   2030. 8.7  0. 44.   30.
  1
EB        MUL       AG  1751.  2780.  2089.  2793.   2030. 8.7  0. 68.   30.
  2
EB        MUL       AG  1989.  2789.  1849.  2784.      0. 48.   4
      150        77       3.0 2030   46.9 1364 1 3
  1
EB        MUL       AG  2089.  2793.  3078.  2844.   1730. 8.7  0. 44.   30.
  1
EB        US40      BR  1075.  2846.  2358.  2897.   1775. 8.6 15. 56.   35.
  1
EB        US40      BR  2358.  2897.  2794.  2848.   1775. 8.6 15. 56.   35.
  1
EB        US40      AG  2794.  2848.  3075.  2858.   1775. 8.6  0. 56.   35.
  1
WB        US40      AG  2979.  3201.  2659.  3162.    765. 8.6  0. 56.   35.
  1
WB        US40      BR  2659.  3162.  2329.  3087.    765. 8.6  15  68   35.
  1
WB        US40      BR  2329.  3087.  1320.  3038.    765. 8.6  15  68   35.
  1
WB        US40      BR  1320.  3038.  1073.  3002.    765. 8.6  15  68   35.
  1
WB        FRANK     AG  2987.  3218.  2139.  3169.    610. 8.7  0. 56.   30.
  2
WB        FRANK     AG  2183.  3171.  2404.  3184.      0. 36.   3
      150       107       3.0  610   46.9 1398 1 3
  1
WB        FRANK     AG  2139.  3169.  1105.  3123.    855. 8.7  0. 56.   30.
1.0   04  1000   0Y  5  0 72
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JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM
DATE: 09/19/2012 TIME: 16:44:19.91

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB	MLK AP	*	2135.0	161.0	2042.0	443.0	*	297.	342.	AG	2710.	8.6	.0	56.0		
2. NB	MLK AP	*	2042.0	443.0	2012.0	664.0	*	223.	352.	AG	2710.	8.6	.0	56.0		
3. NB	MLK AP	*	2012.0	664.0	2028.0	856.0	*	193.	5.	AG	2710.	8.6	.0	56.0		
4. NB	MLK TR	*	2028.0	856.0	2109.0	1174.0	*	328.	14.	AG	2515.	8.6	.0	68.0		
5. NB	MLK TRQ	*	2095.0	1119.0	2042.0	909.2	*	216.	194.	AG	211.	100.0	.0	48.0	.72	11.0
6. NB	MLK L	*	2028.0	856.0	2017.0	903.0	*	48.	347.	AG	195.	8.6	.0	32.0		
7. NB	MLK L	*	2017.0	903.0	2089.0	1173.0	*	279.	15.	AG	195.	8.6	.0	32.0		
8. NB	MLK LQ	*	2074.0	1117.0	1654.8	-465.7	*	1637.	195.	AG	41.	100.0	.0	12.0	4.06	83.2
9. NB	MLK D FAY	*	2109.0	1174.0	2145.0	1344.0	*	174.	12.	AG	2100.	8.6	.0	56.0		
10. NB	MLK LTA FA	*	2145.0	1344.0	2173.0	1566.0	*	224.	7.	AG	2100.	8.6	.0	68.0		
11. NB	MLK LTQ FA	*	2165.0	1509.0	2149.6	1380.7	*	129.	187.	AG	151.	100.0	.0	48.0	.63	6.6
12. NB	MLK D FAY	*	2173.0	1566.0	2188.0	1656.0	*	91.	9.	AG	2195.	8.6	.0	56.0		
13. NB	MLK A SAR	*	2188.0	1656.0	2193.0	1941.0	*	285.	1.	AG	1945.	8.6	.0	56.0		
14. NB	MLK A SAR	*	2193.0	1941.0	2157.0	2311.0	*	372.	354.	AG	1945.	8.6	.0	56.0		
15. NB	MLK TR SAR	*	2157.0	2311.0	2139.0	2484.0	*	174.	354.	AG	1920.	8.6	.0	56.0		
16. NB	MLK TRQ SA	*	2146.0	2425.0	2169.6	2198.8	*	227.	174.	AG	164.	100.0	.0	36.0	.67	11.6
17. NB	MLK L SAR	*	2157.0	2311.0	2131.0	2365.0	*	60.	334.	AG	25.	8.6	.0	32.0		
18. NB	MLK L SAR	*	2131.0	2365.0	2119.0	2484.0	*	120.	354.	AG	25.	8.6	.0	32.0		
19. NB	MLK LQ SAR	*	2125.0	2427.0	2125.8	2419.4	*	8.	174.	AG	47.	100.0	.0	12.0	.50	.4
20. NB	MLK A MUL	*	2139.0	2484.0	2117.0	2791.0	*	308.	356.	AG	1790.	8.6	.0	56.0		
21. NB	MLK TRQ MU	*	2120.0	2746.0	2141.0	2471.1	*	276.	176.	AG	211.	100.0	.0	36.0	.81	14.0
22. NB	MLK A FRA	*	2117.0	2791.0	2116.0	2956.0	*	165.	360.	AG	2160.	8.6	.0	56.0		
23. NB	MLK T A FR	*	2116.0	2956.0	2131.0	3176.0	*	221.	4.	AG	2015.	8.6	.0	56.0		
24. NB	MLK TQ FRA	*	2128.0	3130.0	2117.8	2972.6	*	158.	184.	AG	108.	100.0	.0	36.0	.55	8.0
25. NB	MLK L A FR	*	2116.0	2956.0	2096.0	3008.0	*	56.	339.	AG	145.	8.6	.0	32.0		
26. NB	MLK L QFRA	*	2096.0	3008.0	2105.0	3170.0	*	162.	3.	AG	145.	8.6	.0	32.0		
27. NB	MLK LQ FRA	*	2103.0	3132.0	2094.2	2996.2	*	136.	184.	AG	108.	100.0	.0	12.0	.92	6.9
28. NB	MLK D FRA	*	2131.0	3176.0	2153.0	3319.0	*	145.	9.	AG	2020.	8.6	.0	56.0		
29. NB	MLK D FRA	*	2153.0	3319.0	2184.0	3423.0	*	109.	17.	AG	2020.	8.6	.0	56.0		
30. NB	MLK D FRA	*	2184.0	3423.0	2254.0	3560.0	*	154.	27.	AG	2020.	8.6	.0	56.0		
31. NB	MLK D FRA	*	2254.0	3560.0	2396.0	3748.0	*	236.	37.	AG	2020.	8.6	.0	56.0		
32. SB	MLKTRAFRA	*	2341.0	3759.0	2244.0	3658.0	*	140.	224.	AG	2845.	8.6	.0	56.0		
33. SB	MLKTAFRA	*	2244.0	3658.0	2132.0	3493.0	*	199.	214.	AG	2565.	8.6	.0	56.0		
34. SB	MLKTAFRA	*	2132.0	3493.0	2064.0	3332.0	*	175.	203.	AG	2565.	8.6	.0	56.0		
35. SB	MLKTAFRA	*	2064.0	3332.0	2024.0	3162.0	*	175.	193.	AG	2565.	8.6	.0	56.0		
36. SB	MLKTQFRA	*	2034.0	3206.0	2117.5	3551.3	*	355.	14.	AG	161.	100.0	.0	36.0	.93	18.0
37. SB	MLKRFRA	*	2244.0	3658.0	2135.0	3562.0	*	145.	229.	AG	280.	8.6	.0	44.0		
38. SB	MLKRAFRA	*	2135.0	3562.0	2040.0	3397.0	*	190.	210.	AG	280.	8.6	.0	44.0		
39. SB	MLKRAFRA	*	2040.0	3397.0	1976.0	3186.0	*	220.	197.	AG	280.	8.6	.0	44.0		
40. SB	MLKRQFRA	*	1985.0	3217.0	1999.1	3263.9	*	49.	17.	AG	107.	100.0	.0	24.0	.23	2.5
41. SB	MLKDFRA	*	2024.0	3162.0	2029.0	3027.0	*	135.	178.	AG	2740.	8.6	.0	56.0		
42. SB	MLKTRMUL	*	2029.0	3027.0	2042.0	2797.0	*	230.	177.	AG	2680.	8.6	.0	56.0		
43. SB	MLKTRMUL	*	2040.0	2832.0	1936.6	4572.1	*	1743.	357.	AG	184.	100.0	.0	36.0	1.16	88.6
44. SB	MLKLMUL	*	2029.0	3027.0	2054.0	2949.0	*	82.	162.	AG	60.	8.6	.0	32.0		

JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM
DATE: 09/19/2012 TIME: 16:44:19.91

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB	MLKLMUL	*	2054.0	2949.0	2064.0	2802.0	*	147.	176.	AG	60.	8.6	.0	32.0		
46. SB	MLK LQ MUL	*	2061.0	2844.0	2049.3	3028.5	*	185.	356.	AG	62.	100.0	.0	12.0	1.25	9.4
47. SB	MLKASAR	*	2042.0	2797.0	2055.0	2668.0	*	130.	174.	AG	2850.	8.6	.0	56.0		
48. SB	MLKTRSAR	*	2055.0	2668.0	2072.0	2477.0	*	192.	175.	AG	2645.	8.6	.0	56.0		
49. SB	MLKTRSA	*	2067.0	2534.0	2042.5	2816.0	*	283.	355.	AG	126.	100.0	.0	36.0	.92	14.4
50. SB	MLKLASAR	*	2055.0	2668.0	2080.0	2629.0	*	46.	147.	AG	205.	8.6	.0	32.0		
51. SB	MLK LA SAR	*	2080.0	2629.0	2095.0	2483.0	*	147.	174.	AG	205.	8.6	.0	32.0		
52. SB	MLKLQSA	*	2090.0	2532.0	1922.0	4155.9	*	1633.	354.	AG	32.	100.0	.0	12.0	3.60	82.9
53. SB	MLK A FAY	*	2072.0	2477.0	2125.0	1886.0	*	593.	175.	AG	2610.	8.6	.0	56.0		
54. SB	MLKAFAY	*	2125.0	1886.0	2117.0	1558.0	*	328.	181.	AG	2610.	8.6	.0	56.0		
55. SB	MLKFAY	*	2118.0	1601.0	2122.5	1797.1	*	196.	1.	AG	98.	100.0	.0	36.0	.87	10.0
56. SB	MLKABAL	*	2117.0	1558.0	2089.0	1397.0	*	163.	190.	AG	2895.	8.6	.0	56.0		
57. SB	MLKTRBAL	*	2089.0	1397.0	2030.0	1159.0	*	245.	194.	AG	2795.	8.6	.0	56.0		
58. SB	MLKTRQBA	*	2045.0	1220.0	2287.8	2200.4	*	1010.	14.	AG	161.	100.0	.0	36.0	1.06	51.3
59. SB	MLKLBAL	*	2089.0	1397.0	2096.0	1330.0	*	67.	174.	AG	100.	8.6	.0	32.0		
60. SB	MLKLBAL	*	2096.0	1330.0	2052.0	1157.0	*	179.	194.	AG	100.	8.6	.0	32.0		
61. SB	MLKLBAL	*	2068.0	1221.0	2221.6	1811.9	*	611.	15.	AG	43.	100.0	.0	12.0	2.08	31.0
62. SB	MLK D BAL	*	2030.0	1159.0	1956.0	881.0	*	288.	195.	AG	2790.	8.6	.0	56.0		
63. SB	MLK D BAL	*	1956.0	881.0	1942.0	661.0	*	220.	184.	AG	2790.	8.6	.0	56.0		
64. SB	MLK D BAL	*	1942.0	661.0	1970.0	406.0	*	257.	174.	AG	2790.	8.6	.0	56.0		
65. SB	MLK D BAL	*	1970.0	406.0	2079.0	127.0	*	300.	159.	AG	2790.	8.6	.0	56.0		

66.	EB	BALT	*	1066.0	1093.0	2024.0	1153.0	*	960.	86.	AG	190.	8.7	.0	44.0		
67.	EB	BALT	*	1968.0	1149.0	1913.5	1145.8	*	55.	267.	AG	176.	100.0	.0	24.0	.26	2.8
68.	EB	BALT D	*	2030.0	1159.0	3081.0	1213.0	*	1052.	87.	AG	680.	8.7	.0	44.0		
69.	WB	BALT	*	2000.0	1170.0	1055.0	1113.0	*	947.	267.	AG	225.	8.7	.0	32.0		
70.	WB	FAY	*	2969.0	1609.0	2152.0	1562.0	*	818.	267.	AG	585.	8.7	.0	68.0		
71.	WB	FAY	*	2225.0	1566.0	2329.2	1572.0	*	104.	87.	AG	409.	100.0	.0	48.0	.75	5.3
72.	WB	FAY	*	2152.0	1562.0	1122.0	1513.0	*	1031.	267.	AG	250.	8.7	.0	68.0		
73.	EB	SAR	*	1281.0	2430.0	2095.0	2471.0	*	815.	87.	AG	155.	8.7	.0	32.0		
74.	EB	SAR	*	2022.0	2467.0	1925.5	2462.3	*	97.	267.	AG	96.	100.0	.0	12.0	.61	4.9
75.	EB	SAR D	*	2095.0	2471.0	3028.0	2519.0	*	934.	87.	AG	525.	8.7	.0	44.0		
76.	WB	SAR	*	3038.0	2535.0	2143.0	2498.0	*	896.	268.	AG	125.	8.7	.0	44.0		
77.	WB	SAR	*	2183.0	2500.0	2221.6	2501.6	*	39.	88.	AG	191.	100.0	.0	24.0	.24	2.0
78.	WB	SAR D	*	2143.0	2498.0	1273.0	2442.0	*	872.	266.	AG	145.	8.7	.0	32.0		
79.	EB	MUL	*	1074.0	2750.0	1751.0	2780.0	*	678.	87.	AG	2030.	8.7	.0	44.0		
80.	EB	MUL	*	1751.0	2780.0	2089.0	2793.0	*	338.	88.	AG	2030.	8.7	.0	68.0		
81.	EB	MUL	*	1989.0	2789.0	1770.6	2781.2	*	219.	268.	AG	258.	100.0	.0	48.0	.82	11.1
82.	EB	MUL	*	2089.0	2793.0	3078.0	2844.0	*	990.	87.	AG	1730.	8.7	.0	44.0		
83.	EB	US40	*	1075.0	2846.0	2358.0	2897.0	*	1284.	88.	BR	1775.	8.6	15.0	56.0		
84.	EB	US40	*	2358.0	2897.0	2794.0	2848.0	*	439.	96.	BR	1775.	8.6	15.0	56.0		
85.	EB	US40	*	2794.0	2848.0	3075.0	2858.0	*	281.	88.	AG	1775.	8.6	.0	56.0		
86.	WB	US40	*	2979.0	3201.0	2659.0	3162.0	*	322.	263.	AG	765.	8.6	.0	56.0		
87.	WB	US40	*	2659.0	3162.0	2329.0	3087.0	*	338.	257.	BR	765.	8.6	15.0	68.0		
88.	WB	US40	*	2329.0	3087.0	1320.0	3038.0	*	1010.	267.	BR	765.	8.6	15.0	68.0		
89.	WB	US40	*	1320.0	3038.0	1073.0	3002.0	*	250.	262.	BR	765.	8.6	15.0	68.0		
90.	WB	FRANK	*	2987.0	3218.0	2139.0	3169.0	*	849.	267.	AG	610.	8.7	.0	56.0		
91.	WB	FRANK	*	2183.0	3171.0	2301.6	3178.0	*	119.	87.	AG	269.	100.0	.0	36.0	.57	6.0
92.	WB	FRANK	*	2139.0	3169.0	1105.0	3123.0	*	1035.	267.	AG	855.	8.7	.0	56.0		

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JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM
DATE: 09/19/2012 TIME: 16:44:19.91

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. NB	MLK TRQ	150	63	3.0	2515	1589	46.90	1	3
8. NB	MLK LQ	150	49	3.0	195	76	46.90	1	3
11. NB	MLK LTQ FA	150	45	3.0	2100	1253	46.90	1	3
16. NB	MLK TRQ SA	150	65	3.0	1920	1800	46.90	1	3
19. NB	MLK LQ SAR	150	56	3.0	25	85	46.90	1	3
21. NB	MLK TRQ MU	150	84	3.0	1790	1800	46.90	1	3
24. NB	MLK TQ FRA	150	43	3.0	2015	1800	46.90	1	3
27. NB	MLK LQ FRA	150	129	3.0	145	1486	46.90	1	3
36. SB	MLKTQFRA	150	64	3.0	2565	1700	46.90	1	3
40. SB	MLKRQFRA	150	64	3.0	280	1148	46.90	1	3
43. SB	MLKTRMUL	150	73	3.0	2680	1600	46.90	1	3
46. SB	MLK LQ MUL	150	74	3.0	60	103	46.90	1	3
49. SB	MLKTRSA	150	50	3.0	2645	1517	46.90	1	3
52. SB	MLKLQSA	150	38	3.0	205	81	46.90	1	3
55. SB	MLKFAY	150	39	3.0	2610	1417	46.90	1	3
58. SB	MLKTRQBA	150	64	3.0	2795	1625	46.90	1	3
61. SB	MLKLBAL	150	51	3.0	100	77	46.90	1	3
67. EB	BALT	150	105	3.0	190	1396	46.90	1	3
71. WB	FAY	150	122	3.0	585	1275	46.90	1	3
74. EB	SAR	150	114	3.0	155	1241	46.90	1	3
77. WB	SAR	150	114	3.0	125	1259	46.90	1	3
81. EB	MUL	150	77	3.0	2030	1364	46.90	1	3
91. WB	FRANK	150	107	3.0	610	1398	46.90	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. S6 R1 SE MID	2067.0	801.0	5.0
2. S6 R2 SE COR RED	2092.0	968.0	5.0
3. S6 R3 82 SE	2112.0	1043.0	5.0
4. S6 R4 SE COR	2139.0	1143.0	5.0
5. S6 R5 82 ES	2237.0	1146.0	5.0
6. S6 R6 164 ES	2320.0	1149.0	5.0
7. S6 R7 MID ES	2537.0	1157.0	5.0
8. S6 R8 MID EN	2537.0	1229.0	5.0
9. S6 R9 164 EN	2326.0	1213.0	5.0
10. S6 R10 82 EN	2236.0	1208.0	5.0
11. S6 R11 NE COR	2145.0	1207.0	5.0
12. S6 R12 82 NE	2164.0	1292.0	5.0
13. S6 R13 164 NE	2179.0	1375.0	5.0
14. S6 R14 SE COR FAY	2210.0	1529.0	5.0
15. S6 R15 NE COR FAY	2220.0	1608.0	5.0
16. S6 R16 NW COR FAY	2073.0	1601.0	5.0
17. S6 R17 164 NW	2054.0	1380.0	5.0
18. S6 R18 82 NW	2037.0	1298.0	5.0
19. S6 R19 NW COR	2002.0	1197.0	5.0
20. S6 R20 82 WN	1909.0	1187.0	5.0
21. S6 R21 164 WN	1828.0	1179.0	5.0
22. S6 R22 MID WN	1592.0	1167.0	5.0

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JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM
DATE: 09/19/2012 TIME: 16:44:19.91

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
23. S6 R23 MID WS	1585.0	1108.0	5.0
24. S6 R24 164 WS	1789.0	1120.0	5.0
25. S6 R25 82 WS	1873.0	1126.0	5.0
26. S6 R26 SW COR	1972.0	1122.0	5.0
27. S6 R27 82 SW	1958.0	1026.0	5.0
28. S6 R28 164 SW	1939.0	947.0	5.0
29. S6 R29 MID SW	1911.0	798.0	5.0

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JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	1.3	2.4	2.1	1.9	.8	.4	.2	.0	.2	.6	1.7	1.9	2.1	1.3	1.1	.8	.9	.8	.6	.0
5.	1.2	2.1	1.9	1.8	.5	.3	.2	.0	.1	.3	1.6	1.7	1.7	1.3	.8	1.0	1.4	1.1	.8	.1
10.	1.0	1.8	1.7	1.4	.4	.2	.2	.0	.1	.2	1.4	1.6	1.4	1.0	.5	1.1	1.6	1.9	1.0	.3
15.	.8	1.4	1.1	1.0	.3	.2	.2	.0	.0	.1	.9	.9	1.1	.8	.2	1.3	2.1	2.1	1.4	.3
20.	.4	1.1	.9	.8	.3	.2	.2	.0	.0	.1	.7	.7	.8	.8	.2	1.5	2.2	2.2	1.8	.4
25.	.2	.6	.5	.5	.2	.2	.2	.0	.0	.0	.4	.5	.6	.7	.0	1.6	2.2	2.6	2.0	.6
30.	.1	.4	.3	.4	.2	.2	.2	.0	.0	.0	.4	.3	.5	.9	.0	1.4	2.5	2.7	2.0	.6
35.	.0	.3	.2	.2	.2	.2	.2	.0	.0	.0	.2	.3	.4	1.0	.0	1.4	2.5	2.3	2.0	.7
40.	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.2	.4	1.1	.0	1.4	2.3	2.4	1.9	.8
45.	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.1	.3	1.1	.0	1.4	2.4	2.2	1.8	.8
50.	.0	.2	.2	.3	.2	.2	.2	.0	.0	.0	.1	.0	.3	1.2	.0	1.4	2.5	2.2	1.5	.9
55.	.0	.2	.2	.3	.3	.3	.2	.0	.0	.0	.1	.0	.2	1.2	.0	1.4	2.2	2.1	1.5	.7
60.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.0	.2	1.2	.0	1.3	2.2	2.0	1.2	.7
65.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.0	.2	1.1	.0	1.4	2.2	1.7	1.1	.5
70.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.0	.0	.1	1.1	.0	1.4	2.1	1.7	1.0	.5
75.	.0	.0	.1	.3	.3	.3	.3	.0	.1	.1	.1	.0	.0	1.0	.2	1.5	2.0	1.7	1.1	.6
80.	.0	.0	.1	.3	.3	.3	.3	.1	.1	.1	.1	.0	.0	.8	.2	1.5	1.9	1.6	1.1	.6
85.	.0	.0	.0	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	.7	.3	1.5	1.7	1.5	1.1	.7
90.	.0	.0	.0	.3	.2	.2	.2	.1	.2	.2	.2	.0	.0	.5	.5	1.5	1.8	1.6	1.2	.6
95.	.0	.0	.0	.2	.2	.2	.1	.2	.2	.2	.2	.1	.0	.3	.6	1.7	1.7	1.8	1.2	.6
100.	.0	.0	.0	.2	.1	.1	.1	.2	.2	.2	.2	.1	.0	.2	.8	1.7	1.8	1.8	1.1	.7
105.	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.2	.1	.0	.2	.9	1.5	1.7	1.8	1.2	.9
110.	.0	.0	.0	.1	.1	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.0	1.4	1.8	1.8	1.2	.9
115.	.0	.0	.0	.1	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.1	1.5	1.7	1.8	1.4	.9
120.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.2	1.5	1.7	1.7	1.3	.9
125.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.2	1.4	1.7	1.7	1.2	1.0
130.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.3	1.3	1.6	1.7	1.2	1.1
135.	.0	.1	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.2	1.4	1.7	1.8	1.4	1.1
140.	.0	.1	.1	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.1	1.5	1.7	1.8	1.3	1.1
145.	.0	.1	.1	.1	.0	.0	.0	.1	.2	.2	.2	.2	.1	.0	1.1	1.5	1.7	1.9	1.4	1.1
150.	.0	.1	.1	.1	.0	.0	.0	.1	.2	.2	.1	.2	.1	.0	1.0	1.5	1.9	2.0	1.5	1.1
155.	.0	.1	.1	.1	.0	.0	.0	.1	.2	.2	.1	.2	.2	.0	.9	1.6	1.8	1.9	1.4	1.1
160.	.0	.1	.1	.1	.0	.0	.0	.1	.2	.2	.1	.2	.1	.0	.8	1.5	1.9	2.2	1.5	1.1
165.	.2	.1	.1	.1	.0	.0	.0	.1	.2	.2	.3	.2	.1	.1	.8	1.6	2.2	2.3	1.4	1.1
170.	.3	.2	.1	.1	.0	.0	.0	.1	.2	.2	.3	.2	.2	.1	.8	1.6	2.0	2.3	1.8	1.0
175.	.5	.5	.3	.3	.0	.0	.0	.1	.2	.2	.5	.4	.4	.1	.7	1.5	2.0	2.2	1.8	.9
180.	.6	.6	.7	.4	.0	.0	.0	.1	.2	.2	.6	.5	.6	.5	1.0	1.5	2.2	2.2	1.7	.6
185.	.7	1.0	.9	.9	.0	.0	.0	.1	.2	.2	1.1	.7	.9	.7	1.1	1.2	2.0	2.1	1.5	.5
190.	.9	1.2	1.3	1.2	.1	.0	.0	.1	.2	.2	1.4	1.2	1.2	1.1	1.4	.9	1.6	1.8	1.1	.3
195.	1.1	1.5	1.5	1.5	.2	.0	.0	.1	.2	.5	1.9	1.5	1.4	1.3	1.6	.6	1.4	1.5	.6	.1
200.	1.1	1.5	1.7	1.8	.4	.0	.0	.1	.2	.7	1.9	1.7	1.4	1.5	1.8	.5	1.0	1.0	.6	.1
205.	1.2	1.7	1.9	1.8	.6	.2	.0	.1	.4	.8	1.9	1.5	1.5	1.7	2.0	.2	.6	.8	.3	.1

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JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.1	1.7	2.0	2.0	.5	.3	.0	.1	.5	.8	2.1	1.5	1.6	1.8	1.7	.1	.5	.5	.3	.1
215.	1.1	1.7	1.9	1.8	.6	.4	.0	.2	.6	1.0	2.0	1.4	1.6	1.8	1.7	.1	.2	.4	.4	.1
220.	1.3	1.7	2.1	1.8	.7	.4	.0	.2	.7	.9	1.7	1.4	1.4	1.6	1.6	.1	.1	.3	.3	.1
225.	1.1	1.8	1.9	1.8	.7	.5	.0	.2	.7	1.0	1.5	1.3	1.4	1.8	1.7	.1	.1	.1	.3	.1
230.	1.2	1.9	2.0	1.6	.8	.6	.0	.3	.7	.9	1.5	1.3	1.4	1.7	1.5	.1	.1	.1	.3	.2
235.	1.2	1.8	2.0	1.6	.7	.5	.1	.4	.6	.9	1.4	1.1	1.3	1.6	1.5	.1	.1	.1	.3	.2
240.	.9	1.7	1.8	1.4	.7	.4	.1	.5	.6	.8	1.3	1.1	1.4	1.6	1.4	.1	.1	.1	.4	.2
245.	.9	1.8	1.7	1.4	.8	.4	.3	.5	.6	.9	1.2	1.1	1.4	1.4	1.5	.1	.1	.1	.3	.2
250.	.9	1.8	1.7	1.3	.8	.6	.4	.5	.6	.9	1.1	1.2	1.3	1.4	1.5	.1	.1	.1	.3	.2
255.	.9	1.6	1.6	1.2	.8	.5	.4	.5	.7	.5	1.1	1.2	1.3	1.3	1.5	.1	.0	.1	.3	.2
260.	.9	1.6	1.6	1.1	.7	.5	.4	.4	.5	.6	1.1	1.1	1.2	1.3	1.5	.1	.0	.1	.2	.1
265.	.9	1.6	1.6	1.3	.7	.6	.5	.4	.5	.7	1.0	1.1	1.2	1.5	1.3	.1	.0	.0	.1	.1
270.	.9	1.6	1.6	1.2	.7	.7	.5	.3	.3	.7	1.0	1.1	1.3	1.4	1.3	.1	.0	.0	.1	.1
275.	.9	1.6	1.6	1.2	.8	.7	.6	.3	.5	.5	1.0	1.2	1.4	1.4	1.3	.0	.0	.0	.0	.0
280.	.9	1.7	1.7	1.2	.8	.6	.5	.3	.4	.5	1.1	1.2	1.4	1.4	1.3	.0	.0	.0	.0	.0

285. *	.9	1.7	1.7	1.1	.7	.7	.6	.3	.4	.5	1.1	1.2	1.5	1.4	1.3	.0	.0	.0	.0	.0
290. *	.9	1.7	1.7	1.2	.9	.7	.6	.4	.4	.5	1.2	1.2	1.5	1.4	1.3	.0	.0	.0	.0	.0
295. *	1.0	1.6	1.6	1.2	.9	.7	.4	.3	.3	.5	1.2	1.1	1.4	1.2	1.3	.0	.0	.0	.0	.0
300. *	.9	1.6	1.7	1.2	.8	.7	.6	.3	.5	.5	1.1	1.1	1.5	1.3	1.3	.0	.0	.0	.0	.0
305. *	.9	1.6	1.7	1.3	.7	.5	.5	.3	.5	.5	1.2	1.0	1.6	1.5	1.4	.0	.0	.0	.0	.0
310. *	.9	1.6	1.6	1.2	.7	.7	.5	.4	.5	.5	1.2	1.2	1.6	1.3	1.3	.0	.0	.1	.0	.0
315. *	1.0	1.7	1.6	1.3	.7	.7	.5	.3	.5	.7	1.2	1.2	1.7	1.5	1.5	.0	.0	.1	.0	.0
320. *	.9	1.7	1.6	1.3	.8	.7	.5	.3	.5	.6	1.1	1.2	1.8	1.5	1.4	.0	.0	.1	.0	.0
325. *	1.1	1.8	1.7	1.4	.8	.8	.5	.4	.5	.6	1.2	1.4	2.0	1.5	1.5	.0	.0	.1	.0	.0
330. *	1.1	1.9	1.7	1.4	.8	.7	.6	.4	.5	.9	1.4	1.5	2.0	1.7	1.5	.0	.0	.1	.0	.0
335. *	1.2	2.0	1.9	1.5	.9	.7	.5	.3	.7	.9	1.5	1.7	2.1	1.8	1.6	.0	.0	.1	.0	.0
340. *	1.3	2.1	2.0	1.5	.9	.8	.4	.2	.6	.9	1.6	1.7	2.2	1.8	1.6	.0	.0	.1	.0	.0
345. *	1.3	2.0	2.0	1.7	1.0	.8	.2	.0	.6	.8	1.8	1.9	2.5	1.9	1.5	.2	.1	.1	.0	.0
350. *	1.4	2.0	2.0	1.8	.8	.8	.2	.0	.5	1.0	2.0	2.0	2.5	1.9	1.5	.2	.3	.3	.1	.0
355. *	1.3	2.4	2.2	1.9	1.0	.5	.2	.0	.4	.7	1.9	2.2	2.5	1.8	1.4	.5	.5	.6	.3	.0
360. *	1.3	2.4	2.1	1.9	.8	.4	.2	.0	.2	.6	1.7	1.9	2.1	1.3	1.1	.8	.9	.8	.6	.0
MAX *	1.4	2.4	2.2	2.0	1.0	.8	.6	.5	.7	1.0	2.1	2.2	2.5	1.9	2.0	1.7	2.5	2.7	2.0	1.1
DEGR. *	350	0	355	210	345	325	275	240	335	215	210	355	345	350	205	95	30	30	25	165

1

JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29
0. *	.0	.0	.1	.1	.1	.6	.5	.5	.3
5. *	.0	.0	.1	.1	.2	.7	.7	.6	.7
10. *	.1	.0	.1	.2	.3	.8	1.1	.9	1.0
15. *	.1	.0	.1	.2	.4	1.1	1.2	1.2	1.2
20. *	.3	.1	.2	.4	.5	1.0	1.4	1.6	1.4
25. *	.3	.1	.2	.4	.6	1.3	1.4	1.5	1.6
30. *	.3	.1	.2	.4	.7	1.5	1.6	1.5	1.7
35. *	.3	.1	.3	.4	.7	1.4	1.4	1.5	1.4
40. *	.6	.2	.4	.7	1.0	1.4	1.6	1.5	1.4
45. *	.6	.2	.4	.6	1.1	1.1	1.4	1.6	1.5
50. *	.5	.2	.3	.6	.8	1.1	1.4	1.5	1.4
55. *	.5	.1	.3	.7	1.0	1.2	1.5	1.6	1.2
60. *	.5	.2	.4	.6	.7	1.1	1.4	1.5	1.1
65. *	.5	.2	.4	.7	.8	1.0	1.4	1.5	1.0
70. *	.4	.2	.4	.6	.9	1.2	1.3	1.5	.9
75. *	.4	.2	.3	.7	.9	1.1	1.4	1.3	1.0
80. *	.5	.1	.3	.7	.9	1.2	1.4	1.3	1.0
85. *	.8	.2	.4	.7	.9	1.3	1.3	1.3	.9
90. *	.7	.4	.4	.8	1.0	1.1	1.3	1.3	1.0
95. *	.7	.3	.4	.7	.8	1.2	1.3	1.2	1.0
100. *	.7	.4	.4	.4	.7	1.2	1.3	1.2	1.0
105. *	.8	.5	.3	.5	.7	1.1	1.3	1.2	.9
110. *	.7	.5	.3	.5	.7	1.1	1.3	1.1	.9
115. *	.8	.5	.2	.5	.7	1.2	1.3	1.1	.9
120. *	.8	.4	.4	.4	.7	1.2	1.3	1.2	.9
125. *	.8	.4	.3	.4	.7	1.2	1.3	1.1	1.1
130. *	.6	.4	.2	.4	.6	1.2	1.2	1.0	1.1
135. *	.5	.3	.2	.6	.6	1.2	1.2	1.2	1.0
140. *	.5	.3	.3	.4	.7	1.2	1.3	1.1	1.1
145. *	.7	.3	.2	.4	.6	1.3	1.4	1.3	1.3
150. *	.6	.3	.1	.4	.6	1.2	1.3	1.4	1.2
155. *	.6	.2	.1	.5	.6	1.3	1.4	1.4	1.5
160. *	.6	.1	.0	.5	.7	1.3	1.5	1.6	1.6
165. *	.6	.1	.0	.4	.7	1.3	1.7	1.8	1.4
170. *	.3	.1	.0	.2	.6	1.5	1.8	1.7	1.3
175. *	.3	.1	.0	.1	.4	1.6	1.9	1.6	1.2
180. *	.2	.1	.0	.0	.2	1.4	1.5	1.4	.9
185. *	.1	.1	.0	.0	.1	1.1	1.3	1.2	.5
190. *	.1	.1	.0	.0	.0	.7	.9	.8	.3
195. *	.1	.1	.0	.0	.0	.4	.7	.7	.2
200. *	.1	.1	.0	.0	.0	.3	.4	.4	.1
205. *	.1	.1	.0	.0	.0	.2	.3	.2	.0

1

JOB: Site C-1 MLK & Baltimore NB 2016 AM RUN: Site C-1 No Build 2016 AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29
210. *	.1	.1	.0	.0	.0	.1	.2	.2	.0
215. *	.1	.1	.0	.0	.0	.0	.1	.1	.0
220. *	.1	.1	.0	.0	.0	.0	.1	.1	.0
225. *	.2	.1	.0	.0	.0	.0	.0	.0	.0
230. *	.2	.2	.0	.0	.0	.0	.0	.0	.0

235.	*	.2	.2	.0	.0	.0	.0	.0	.0	.0
240.	*	.2	.2	.0	.0	.0	.0	.0	.0	.0
245.	*	.2	.2	.0	.0	.0	.0	.0	.0	.0
250.	*	.2	.2	.0	.0	.0	.0	.0	.0	.0
255.	*	.2	.1	.1	.1	.1	.0	.0	.0	.0
260.	*	.2	.1	.1	.1	.1	.0	.0	.0	.0
265.	*	.1	.1	.1	.1	.1	.2	.0	.0	.0
270.	*	.1	.1	.1	.1	.2	.2	.0	.0	.0
275.	*	.1	.0	.2	.2	.2	.2	.0	.0	.0
280.	*	.0	.0	.2	.2	.2	.4	.0	.0	.0
285.	*	.0	.0	.2	.2	.2	.4	.0	.0	.0
290.	*	.0	.0	.2	.2	.2	.5	.0	.0	.0
295.	*	.0	.0	.2	.2	.2	.5	.0	.0	.0
300.	*	.0	.0	.2	.2	.2	.5	.0	.0	.0
305.	*	.0	.0	.2	.2	.2	.5	.0	.0	.0
310.	*	.0	.0	.2	.2	.2	.5	.0	.0	.0
315.	*	.0	.0	.2	.2	.2	.5	.0	.0	.0
320.	*	.0	.0	.1	.1	.2	.5	.0	.0	.0
325.	*	.0	.0	.1	.1	.1	.5	.0	.0	.0
330.	*	.0	.0	.1	.1	.1	.5	.0	.0	.0
335.	*	.0	.0	.1	.1	.1	.4	.1	.0	.0
340.	*	.0	.0	.1	.1	.1	.3	.1	.1	.0
345.	*	.0	.0	.1	.1	.1	.4	.1	.1	.0
350.	*	.0	.0	.1	.1	.1	.3	.2	.1	.1
355.	*	.0	.0	.1	.1	.1	.3	.2	.1	.2
360.	*	.0	.0	.1	.1	.1	.6	.5	.5	.3
MAX	*	.8	.5	.4	.8	1.1	1.6	1.9	1.8	1.7
DEGR.	*	85	105	40	90	45	175	175	165	30

THE HIGHEST CONCENTRATION IS 2.70 PPM AT 30 DEGREES FROM REC18.
THE 2ND HIGHEST CONCENTRATION IS 2.50 PPM AT 345 DEGREES FROM REC13.
THE 3RD HIGHEST CONCENTRATION IS 2.50 PPM AT 30 DEGREES FROM REC17.

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Site C-1 MLK & Baltimore NB 2016 PM     60.0321.0.0000.000290.30480000    1    1
S6 R1 SE MID             2067.      801.        5.
S6 R2 SE COR RED         2092.      968.        5.
S6 R3 82 SE              2112.     1043.        5.
S6 R4 SE COR             2139.     1143.        5.
S6 R5 82 ES              2237.     1146.        5.
S6 R6 164 ES             2320.     1149.        5.
S6 R7 MID ES             2537.     1157.        5.
S6 R8 MID EN             2537.     1229.        5.
S6 R9 164 EN             2326.     1213.        5.
S6 R10 82 EN             2236.     1208.        5.
S6 R11 NE COR            2145.     1207.        5.
S6 R12 82 NE             2164.     1292.        5.
S6 R13 164 NE            2179.     1375.        5.
S6 R14 SE COR FAY        2210.     1529.        5.
S6 R15 NE COR FAY        2220.     1608.        5.
S6 R16 NW COR FAY        2073.     1601.        5.
S6 R17 164 NW            2054.     1380.        5.
S6 R18 82 NW             2037.     1298.        5.
S6 R19 NW COR            2002.     1197.        5.
S6 R20 82 WN             1909.     1187.        5.
S6 R21 164 WN            1828.     1179.        5.
S6 R22 MID WN            1592.     1167.        5.
S6 R23 MID WS            1585.     1108.        5.
S6 R24 164 WS            1789.     1120.        5.
S6 R25 82 WS             1873.     1126.        5.
S6 R26 SW COR            1972.     1122.        5.
S6 R27 82 SW             1958.     1026.        5.
S6 R28 164 SW            1939.      947.        5.
S6 R29 MID SW            1911.      798.        5.
Site C-1 No Build 2016 PM               92  1   0
  1
NB        MLK AP    AG  2135.   161.  2042.   443.   2705. 8.6  0. 56.   35.
  1
NB        MLK AP    AG  2042.   443.  2012.   664.   2705. 8.6  0. 56.   35.
  1
NB        MLK AP    AG  2012.   664.  2028.   856.   2705. 8.6  0. 56.   35.
  1
NB        MLK TR    AG  2028.   856.  2109.  1174.   2555. 8.6  0. 68.   35.
  2
NB        MLK TRQ   AG  2095.  1119.  2046.   925.      0. 48.   4
       150        60       3.0 2555   46.9 1492 1 3
  1
NB        MLK L     AG  2028.   856.  2017.   903.    150. 8.6  0. 32.   35.
  1
NB        MLK L     AG  2017.   903.  2089.  1173.    150. 8.6  0. 32.   35.
  2
NB        MLK LQ    AG  2074.  1117.  2025.   932.      0. 12.   1
       150        50       3.0  150   46.9   75 1 3
  1
NB        MLK D FAY AG  2109.  1174.  2145.  1344.   2320. 8.6  0. 56.   35.
  1
NB        MLK LTA FAAG  2145.  1344.  2173.  1566.   2320. 8.6  0. 68.   35.
  2
NB        MLK LTQ FAAG  2165.  1509.  2150.  1384.      0. 48.   4
       150        55       3.0 2320   46.9 1215 1 3
  1
NB        MLK D FAY AG  2173.  1566.  2188.  1656.   2310. 8.6  0. 56.   35.
  1
NB        MLK A SAR AG  2188.  1656.  2193.  1941.   2310. 8.6  0. 56.   35.
  1
NB        MLK A SAR AG  2193.  1941.  2157.  2311.   2310. 8.6  0. 56.   35.
  1
NB        MLK TR SARAG  2157.  2311.  2139.  2484.   2470. 8.6  0. 56.   35.
  2
NB        MLK TRQ SAAG  2146.  2425.  2156.  2329.      0. 36.   3
       150        65       3.0 2470   46.9 1599 1 3
  1
NB        MLK L SAR AG  2157.  2311.  2131.  2365.     40. 8.6  0. 32.   35.
  1
NB        MLK L SAR AG  2131.  2365.  2119.  2484.     40. 8.6  0. 32.   35.
  2
NB        MLK LQ SARAG  2125.  2427.  2130.  2380.      0. 12.   1
       150        56       3.0   40   46.9   89 1 3
  1
NB        MLK A MUL AG  2139.  2484.  2117.  2791.   2500. 8.6  0. 56.   35.
  2
NB        MLK TRQ MUAG  2120.  2746.  2132.  2589.      0. 36.   3
       150        73       3.0 2500   46.9 1750 1 3
  1
NB        MLK A FRA AG  2117.  2791.  2116.  2956.   2745. 8.6  0. 56.   35.
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  1
NB        MLK T A FRAG  2116.  2956.  2131.  3176.   2390. 8.6  0. 56.   35.
  2
NB        MLK TQ FRAAG  2128.  3130.  2123.  3053.      0. 36.   3
       150        60       3.0 2390   46.9 1784 1 3
  1
NB        MLK L A FRAG  2116.  2956.  2096.  3008.    355. 8.6  0. 32.   35.
  1
NB        MLK L QFRAAG  2096.  3008.  2105.  3170.    355. 8.6  0. 32.   35.
  2
NB        MLK LQ FRAAG  2103.  3132.  2097.  3039.      0. 12.   1
       150       114       3.0  355   46.9 1863 1 3
  1
NB        MLK D FRA AG  2131.  3176.  2153.  3319.   2665. 8.6  0. 56.   35.
  1
NB        MLK D FRA AG  2153.  3319.  2184.  3423.   2665. 8.6  0. 56.   35.
  1
NB        MLK D FRA AG  2184.  3423.  2254.  3560.   2665. 8.6  0. 56.   35.
  1
NB        MLK D FRA AG  2254.  3560.  2396.  3748.   2665. 8.6  0. 56.   35.
  1
SB        MLKTRAFRA AG  2341.  3759.  2244.  3658.   1950. 8.6  0. 56.   35.
  1
SB        MLKTAFRA  AG  2244.  3658.  2132.  3493.   1515. 8.6  0. 56.   35.
  1
SB        MLKTAFRA  AG  2132.  3493.  2064.  3332.   1515. 8.6  0. 56.   35.
  1
SB        MLKTAFRA  AG  2064.  3332.  2024.  3162.   1515. 8.6  0. 56.   35.
  2
SB        MLKTQFRA  AG  2034.  3206.  2056.  3297.      0. 36.   3
       150        96       3.0 1515   46.9 1582 1 3
  1
SB        MLKRFRA   AG  2244.  3658.  2135.  3562.    435. 8.6  0. 44.   35.
  1
SB        MLKRAFRA  AG  2135.  3562.  2040.  3397.    435. 8.6  0. 44.   35.
  1
SB        MLKRAFRA  AG  2040.  3397.  1976.  3186.    435. 8.6  0. 44.   35.
  2
SB        MLKRQFRA  AG  1985.  3217.  2013.  3310.      0. 24.   2
       150        96       3.0  435   46.9 1270 1 3
  1
SB        MLKDFRA   AG  2024.  3162.  2029.  3027.   1790. 8.6  0. 56.   35.
  1
SB        MLKTRMUL  AG  2029.  3027.  2042.  2797.   1735. 8.6  0. 56.   35.
  2
SB        MLKTRMUL  AG  2040.  2832.  2034.  2933.      0. 36.   3
       150        58       3.0 1735   46.9 1695 1 3
  1
SB        MLKLMUL   AG  2029.  3027.  2054.  2949.     55. 8.6  0. 32.   35.
  1
SB        MLKLMUL   AG  2054.  2949.  2064.  2802.     55. 8.6  0. 32.   35.
  2
SB        MLK LQ MULAG  2061.  2844.  2055.  2939.      0. 12.   1
       150        59       3.0   55   46.9   98 1 3
  1
SB        MLKASAR   AG  2042.  2797.  2055.  2668.   1730. 8.6  0. 56.   35.
  1
SB        MLKTRSAR  AG  2055.  2668.  2072.  2477.   1685. 8.6  0. 56.   35.
  2
SB        MLKTRSA   AG  2067.  2534.  2057.  2649.      0. 36.   3
       150        65       3.0 1685   46.9 1509 1 3
  1
SB        MLKLASAR  AG  2055.  2668.  2080.  2629.     45. 8.6  0. 32.   35.
  1
SB        MLK LA SARAG  2080.  2629.  2095.  2483.     45. 8.6  0. 32.   35.
  2
SB        MLKLQSA   AG  2090.  2532.  2081.  2619.      0. 12.   1
       150        56       3.0   45   46.9   84 1 3
  1
SB        MLK A FAY AG  2072.  2477.  2125.  1886.   1810. 8.6  0. 56.   35.
  1
SB        MLKAFAY   AG  2125.  1886.  2117.  1558.   1810. 8.6  0. 56.   35.
  2
SB        MLKFAY    AG  2118.  1601.  2121.  1732.      0. 36.   3
       150        55       3.0 1810   46.9 1518 1 3
  1
SB        MLKABAL   AG  2117.  1558.  2089.  1397.   2335. 8.6  0. 56.   35.
  1
SB        MLKTRBAL  AG  2089.  1397.  2030.  1159.   2220. 8.6  0. 56.   35.
  2
SB        MLKTRQBA  AG  2045.  1220.  2071.  1325.      0. 36.   3
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       150        60       3.0 2220   46.9 1370 1 3
  1
SB        MLKLBAL   AG  2089.  1397.  2096.  1330.    115. 8.6  0. 32.   35.
  1
SB        MLKLBAL   AG  2096.  1330.  2052.  1157.    115. 8.6  0. 32.   35.
  2
SB        MLKLBAL   AG  2068.  1221.  2094.  1321.      0. 12.   1
       150        50       3.0  115   46.9   71 1 3
  1
SB        MLK D BAL AG  2030.  1159.  1956.   881.   2325. 8.6  0. 56.   35.
  1
SB        MLK D BAL AG  1956.   881.  1942.   661.   2325. 8.6  0. 56.   35.
  1
SB        MLK D BAL AG  1942.   661.  1970.   406.   2325. 8.6  0. 56.   35.
  1
SB        MLK D BAL AG  1970.   406.  2079.   127.   2325. 8.6  0. 56.   35.
  1
EB        BALT      AG  1066.  1093.  2024.  1153.    535. 8.7  0. 44.   30.
  2
EB        BALT      AG  1968.  1149.  1831.  1141.      0. 24.   2
       150       105       3.0  535   46.9 1365 1 3
  1
EB        BALT D    AG  2030.  1159.  3081.  1213.    720. 8.7  0. 44.   30.
  1
WB        BALT      AG  2000.  1170.  1055.  1113.    210. 8.7  0. 32.   30.
  1
WB        FAY       AG  2969.  1609.  2152.  1562.   1145. 8.7  0. 68.   30.
  2
WB        FAY       AG  2225.  1566.  2468.  1580.      0. 48.   4
       150        95       3.0 1145   46.9 1281 1 3
  1
WB        FAY       AG  2152.  1562.  1122.  1513.    360. 8.7  0. 68.   30.
  1
EB        SAR       AG  1281.  2430.  2095.  2471.     65. 8.7  0. 32.   30.
  2
EB        SAR       AG  2022.  2467.  1857.  2459.      0. 12.   1
       150       100       3.0   65   46.9 1103 1 3
  1
EB        SAR D     AG  2095.  2471.  3028.  2519.    135. 8.7  0. 44.   30.
  1
WB        SAR       AG  3038.  2535.  2143.  2498.    465. 8.7  0. 44.   30.
  2
WB        SAR       AG  2183.  2500.  2479.  2512.      0. 24.   2
       150       100       3.0  465   46.9 1244 1 3
  1
WB        SAR D     AG  2143.  2498.  1273.  2442.    140. 8.7  0. 32.   30.
  1
EB        MUL       AG  1074.  2750.  1751.  2780.   1365. 8.7  0. 44.   30.
  1
EB        MUL       AG  1751.  2780.  2089.  2793.   1365. 8.7  0. 68.   30.
  2
EB        MUL       AG  1989.  2789.  1849.  2784.      0. 48.   4
       150        92       3.0 1365   46.9 1517 1 3
  1
EB        MUL       AG  2089.  2793.  3078.  2844.   1375. 8.7  0. 44.   30.
  1
EB        US40      BR  1075.  2846.  2358.  2897.   1775. 8.6 15. 56.   35.
  1
EB        US40      BR  2358.  2897.  2794.  2848.   1775. 8.6 15. 56.   35.
  1
EB        US40      AG  2794.  2848.  3075.  2858.   1775. 8.6  0. 56.   35.
  1
WB        US40      AG  2979.  3201.  2659.  3162.    765. 8.6  0. 56.   35.
  1
WB        US40      BR  2659.  3162.  2329.  3087.    765. 8.6  15  68   35.
  1
WB        US40      BR  2329.  3087.  1320.  3038.    765. 8.6  15  68   35.
  1
WB        US40      BR  1320.  3038.  1073.  3002.    765. 8.6  15  68   35.
  1
WB        FRANK     AG  2987.  3218.  2139.  3169.   1245. 8.7  0. 56.   30.
  2
WB        FRANK     AG  2183.  3171.  2404.  3184.      0. 36.   3
       150        90       3.0 1245   46.9 1558 1 3
  1
WB        FRANK     AG  2139.  3169.  1105.  3123.   1750. 8.7  0. 56.   30.
1.0   04  1000   0Y  5  0 72
```

JOB: Site C-1 MLK & Baltimore NB 2016 PM RUN: Site C-1 No Build 2016 PM
DATE: 09/19/2012 TIME: 16:43:10.43

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NB MLK AP	*	2135.0	161.0	2042.0	443.0	*	297.	342.	AG	2705.	8.6	.0	56.0		
2. NB MLK AP	*	2042.0	443.0	2012.0	664.0	*	223.	352.	AG	2705.	8.6	.0	56.0		
3. NB MLK AP	*	2012.0	664.0	2028.0	856.0	*	193.	5.	AG	2705.	8.6	.0	56.0		
4. NB MLK TR	*	2028.0	856.0	2109.0	1174.0	*	328.	14.	AG	2555.	8.6	.0	68.0		
5. NB MLK TRQ	*	2095.0	1119.0	2043.7	916.1	*	209.	194.	AG	201.	100.0	.0	48.0	.76	10.6
6. NB MLK L	*	2028.0	856.0	2017.0	903.0	*	48.	347.	AG	150.	8.6	.0	32.0		
7. NB MLK L	*	2017.0	903.0	2089.0	1173.0	*	279.	15.	AG	150.	8.6	.0	32.0		
8. NB MLK LQ	*	2074.0	1117.0	1776.4	-6.4	*	1162.	195.	AG	42.	100.0	.0	12.0	3.19	59.0
9. NB MLK D FAY	*	2109.0	1174.0	2145.0	1344.0	*	174.	12.	AG	2320.	8.6	.0	56.0		
10. NB MLK LTA FA	*	2145.0	1344.0	2173.0	1566.0	*	224.	7.	AG	2320.	8.6	.0	68.0		
11. NB MLK LTQ FA	*	2165.0	1509.0	2144.2	1335.8	*	174.	187.	AG	185.	100.0	.0	48.0	.80	8.9
12. NB MLK D FAY	*	2173.0	1566.0	2188.0	1656.0	*	91.	9.	AG	2310.	8.6	.0	56.0		
13. NB MLK A SAR	*	2188.0	1656.0	2193.0	1941.0	*	285.	1.	AG	2310.	8.6	.0	56.0		
14. NB MLK A SAR	*	2193.0	1941.0	2157.0	2311.0	*	372.	354.	AG	2310.	8.6	.0	56.0		
15. NB MLK TR SAR	*	2157.0	2311.0	2139.0	2484.0	*	174.	354.	AG	2470.	8.6	.0	56.0		
16. NB MLK TRQ SA	*	2146.0	2425.0	2185.7	2043.4	*	384.	174.	AG	164.	100.0	.0	36.0	.97	19.5
17. NB MLK L SAR	*	2157.0	2311.0	2131.0	2365.0	*	60.	334.	AG	40.	8.6	.0	32.0		
18. NB MLK L SAR	*	2131.0	2365.0	2119.0	2484.0	*	120.	354.	AG	40.	8.6	.0	32.0		
19. NB MLK LQ SAR	*	2125.0	2427.0	2127.1	2407.7	*	19.	174.	AG	47.	100.0	.0	12.0	.77	1.0
20. NB MLK A MUL	*	2139.0	2484.0	2117.0	2791.0	*	308.	356.	AG	2500.	8.6	.0	56.0		
21. NB MLK TRQ MU	*	2120.0	2746.0	2155.0	2287.9	*	459.	176.	AG	184.	100.0	.0	36.0	.99	23.3
22. NB MLK A FRA	*	2117.0	2791.0	2116.0	2956.0	*	165.	360.	AG	2745.	8.6	.0	56.0		
23. NB MLK T A FR	*	2116.0	2956.0	2131.0	3176.0	*	221.	4.	AG	2390.	8.6	.0	56.0		
24. NB MLK TQ FRA	*	2128.0	3130.0	2111.1	2869.4	*	261.	184.	AG	151.	100.0	.0	36.0	.79	13.3
25. NB MLK L A FR	*	2116.0	2956.0	2096.0	3008.0	*	56.	339.	AG	355.	8.6	.0	32.0		
26. NB MLK L QFRA	*	2096.0	3008.0	2105.0	3170.0	*	162.	3.	AG	355.	8.6	.0	32.0		
27. NB MLK LQ FRA	*	2103.0	3132.0	2085.8	2865.9	*	267.	184.	AG	96.	100.0	.0	12.0	.92	13.5
28. NB MLK D FRA	*	2131.0	3176.0	2153.0	3319.0	*	145.	9.	AG	2665.	8.6	.0	56.0		
29. NB MLK D FRA	*	2153.0	3319.0	2184.0	3423.0	*	109.	17.	AG	2665.	8.6	.0	56.0		
30. NB MLK D FRA	*	2184.0	3423.0	2254.0	3560.0	*	154.	27.	AG	2665.	8.6	.0	56.0		
31. NB MLK D FRA	*	2254.0	3560.0	2396.0	3748.0	*	236.	37.	AG	2665.	8.6	.0	56.0		
32. SB MLKTRAFRA	*	2341.0	3759.0	2244.0	3658.0	*	140.	224.	AG	1950.	8.6	.0	56.0		
33. SB MLKTAFRA	*	2244.0	3658.0	2132.0	3493.0	*	199.	214.	AG	1515.	8.6	.0	56.0		
34. SB MLKTAFRA	*	2132.0	3493.0	2064.0	3332.0	*	175.	203.	AG	1515.	8.6	.0	56.0		
35. SB MLKTAFRA	*	2064.0	3332.0	2024.0	3162.0	*	175.	193.	AG	1515.	8.6	.0	56.0		
36. SB MLKTQFRA	*	2034.0	3206.0	2117.1	3549.8	*	354.	14.	AG	242.	100.0	.0	36.0	.98	18.0
37. SB MLKRFRA	*	2244.0	3658.0	2135.0	3562.0	*	145.	229.	AG	435.	8.6	.0	44.0		
38. SB MLKRAFRA	*	2135.0	3562.0	2040.0	3397.0	*	190.	210.	AG	435.	8.6	.0	44.0		
39. SB MLKRAFRA	*	2040.0	3397.0	1976.0	3186.0	*	220.	197.	AG	435.	8.6	.0	44.0		
40. SB MLKRQFRA	*	1985.0	3217.0	2017.8	3326.1	*	114.	17.	AG	161.	100.0	.0	24.0	.52	5.8
41. SB MLKDFRA	*	2024.0	3162.0	2029.0	3027.0	*	135.	178.	AG	1790.	8.6	.0	56.0		
42. SB MLKTRMUL	*	2029.0	3027.0	2042.0	2797.0	*	230.	177.	AG	1735.	8.6	.0	56.0		
43. SB MLKTRMUL	*	2040.0	2832.0	2029.1	3015.0	*	183.	357.	AG	146.	100.0	.0	36.0	.59	9.3
44. SB MLKLMUL	*	2029.0	3027.0	2054.0	2949.0	*	82.	162.	AG	55.	8.6	.0	32.0		

JOB: Site C-1 MLK & Baltimore NB 2016 PM RUN: Site C-1 No Build 2016 PM
DATE: 09/19/2012 TIME: 16:43:10.43

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. SB MLKLMUL	*	2054.0	2949.0	2064.0	2802.0	*	147.	176.	AG	55.	8.6	.0	32.0		
46. SB MLK LQ MUL	*	2061.0	2844.0	2057.8	2894.7	*	51.	356.	AG	49.	100.0	.0	12.0	.98	2.6
47. SB MLKASAR	*	2042.0	2797.0	2055.0	2668.0	*	130.	174.	AG	1730.	8.6	.0	56.0		
48. SB MLKTRSAR	*	2055.0	2668.0	2072.0	2477.0	*	192.	175.	AG	1685.	8.6	.0	56.0		
49. SB MLKTRSA	*	2067.0	2534.0	2049.7	2732.6	*	199.	355.	AG	164.	100.0	.0	36.0	.70	10.1
50. SB MLKLASAR	*	2055.0	2668.0	2080.0	2629.0	*	46.	147.	AG	45.	8.6	.0	32.0		
51. SB MLK LA SAR	*	2080.0	2629.0	2095.0	2483.0	*	147.	174.	AG	45.	8.6	.0	32.0		
52. SB MLKLQSA	*	2090.0	2532.0	2086.4	2566.7	*	35.	354.	AG	47.	100.0	.0	12.0	.92	1.8
53. SB MLK A FAY	*	2072.0	2477.0	2125.0	1886.0	*	593.	175.	AG	1810.	8.6	.0	56.0		
54. SB MLKAFAY	*	2125.0	1886.0	2117.0	1558.0	*	328.	181.	AG	1810.	8.6	.0	56.0		
55. SB MLKFAY	*	2118.0	1601.0	2122.2	1782.3	*	181.	1.	AG	138.	100.0	.0	36.0	.66	9.2
56. SB MLKABAL	*	2117.0	1558.0	2089.0	1397.0	*	163.	190.	AG	2335.	8.6	.0	56.0		
57. SB MLKTRBAL	*	2089.0	1397.0	2030.0	1159.0	*	245.	194.	AG	2220.	8.6	.0	56.0		
58. SB MLKTRQBA	*	2045.0	1220.0	2121.3	1528.1	*	317.	14.	AG	151.	100.0	.0	36.0	.95	16.1
59. SB MLKLBAL	*	2089.0	1397.0	2096.0	1330.0	*	67.	174.	AG	115.	8.6	.0	32.0		
60. SB MLKLBAL	*	2096.0	1330.0	2052.0	1157.0	*	179.	194.	AG	115.	8.6	.0	32.0		
61. SB MLKLBAL	*	2068.0	1221.0	2273.2	2010.1	*	815.	15.	AG	42.	100.0	.0	12.0	2.61	41.4
62. SB MLK D BAL	*	2030.0	1159.0	1956.0	881.0	*	288.	195.	AG	2325.	8.6	.0	56.0		
63. SB MLK D BAL	*	1956.0	881.0	1942.0	661.0	*	220.	184.	AG	2325.	8.6	.0	56.0		
64. SB MLK D BAL	*	1942.0	661.0	1970.0	406.0	*	257.	174.	AG	2325.	8.6	.0	56.0		
65. SB MLK D BAL	*	1970.0	406.0	2079.0	127.0	*	300.	159.	AG	2325.	8.6	.0	56.0		

66. EB	BALT	*	1066.0	1093.0	2024.0	1153.0	*	960.	86.	AG	535.	8.7	.0	44.0		
67. EB	BALT	*	1968.0	1149.0	1814.0	1140.0	*	154.	267.	AG	176.	100.0	.0	24.0	.73	7.8
68. EB	BALT D	*	2030.0	1159.0	3081.0	1213.0	*	1052.	87.	AG	720.	8.7	.0	44.0		
69. WB	BALT	*	2000.0	1170.0	1055.0	1113.0	*	947.	267.	AG	210.	8.7	.0	32.0		
70. WB	FAY	*	2969.0	1609.0	2152.0	1562.0	*	818.	267.	AG	1145.	8.7	.0	68.0		
71. WB	FAY	*	2225.0	1566.0	2373.3	1574.5	*	149.	87.	AG	319.	100.0	.0	48.0	.67	7.5
72. WB	FAY	*	2152.0	1562.0	1122.0	1513.0	*	1031.	267.	AG	360.	8.7	.0	68.0		
73. EB	SAR	*	1281.0	2430.0	2095.0	2471.0	*	815.	87.	AG	65.	8.7	.0	32.0		
74. EB	SAR	*	2022.0	2467.0	1986.5	2465.3	*	36.	267.	AG	84.	100.0	.0	12.0	.20	1.8
75. EB	SAR D	*	2095.0	2471.0	3028.0	2519.0	*	934.	87.	AG	135.	8.7	.0	44.0		
76. WB	SAR	*	3038.0	2535.0	2143.0	2498.0	*	896.	268.	AG	465.	8.7	.0	44.0		
77. WB	SAR	*	2183.0	2500.0	2309.8	2505.1	*	127.	88.	AG	168.	100.0	.0	24.0	.62	6.4
78. WB	SAR D	*	2143.0	2498.0	1273.0	2442.0	*	872.	266.	AG	140.	8.7	.0	32.0		
79. EB	MUL	*	1074.0	2750.0	1751.0	2780.0	*	678.	87.	AG	1365.	8.7	.0	44.0		
80. EB	MUL	*	1751.0	2780.0	2089.0	2793.0	*	338.	88.	AG	1365.	8.7	.0	68.0		
81. EB	MUL	*	1989.0	2789.0	1817.6	2782.9	*	172.	268.	AG	309.	100.0	.0	48.0	.64	8.7
82. EB	MUL	*	2089.0	2793.0	3078.0	2844.0	*	990.	87.	AG	1375.	8.7	.0	44.0		
83. EB	US40	*	1075.0	2846.0	2358.0	2897.0	*	1284.	88.	BR	1775.	8.6	15.0	56.0		
84. EB	US40	*	2358.0	2897.0	2794.0	2848.0	*	439.	96.	BR	1775.	8.6	15.0	56.0		
85. EB	US40	*	2794.0	2848.0	3075.0	2858.0	*	281.	88.	AG	1775.	8.6	.0	56.0		
86. WB	US40	*	2979.0	3201.0	2659.0	3162.0	*	322.	263.	AG	765.	8.6	.0	56.0		
87. WB	US40	*	2659.0	3162.0	2329.0	3087.0	*	338.	257.	BR	765.	8.6	15.0	68.0		
88. WB	US40	*	2329.0	3087.0	1320.0	3038.0	*	1010.	267.	BR	765.	8.6	15.0	68.0		
89. WB	US40	*	1320.0	3038.0	1073.0	3002.0	*	250.	262.	BR	765.	8.6	15.0	68.0		
90. WB	FRANK	*	2987.0	3218.0	2139.0	3169.0	*	849.	267.	AG	1245.	8.7	.0	56.0		
91. WB	FRANK	*	2183.0	3171.0	2386.9	3183.0	*	204.	87.	AG	226.	100.0	.0	36.0	.73	10.4
92. WB	FRANK	*	2139.0	3169.0	1105.0	3123.0	*	1035.	267.	AG	1750.	8.7	.0	56.0		

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JOB: Site C-1 MLK & Baltimore NB 2016 PM RUN: Site C-1 No Build 2016 PM
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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. NB MLK TRQ	*	150	60	3.0	2555	1492	46.90	1	3
8. NB MLK LQ	*	150	50	3.0	150	75	46.90	1	3
11. NB MLK LTQ FA	*	150	55	3.0	2320	1215	46.90	1	3
16. NB MLK TRQ SA	*	150	65	3.0	2470	1599	46.90	1	3
19. NB MLK LQ SAR	*	150	56	3.0	40	89	46.90	1	3
21. NB MLK TRQ MU	*	150	73	3.0	2500	1750	46.90	1	3
24. NB MLK TQ FRA	*	150	60	3.0	2390	1784	46.90	1	3
27. NB MLK LQ FRA	*	150	114	3.0	355	1863	46.90	1	3
36. SB MLKTQFRA	*	150	96	3.0	1515	1582	46.90	1	3
40. SB MLKRQFRA	*	150	96	3.0	435	1270	46.90	1	3
43. SB MLKTRMUL	*	150	58	3.0	1735	1695	46.90	1	3
46. SB MLK LQ MUL	*	150	59	3.0	55	98	46.90	1	3
49. SB MLKTRSA	*	150	65	3.0	1685	1509	46.90	1	3
52. SB MLKLQSA	*	150	56	3.0	45	84	46.90	1	3
55. SB MLKFAY	*	150	55	3.0	1810	1518	46.90	1	3
58. SB MLKTRQBA	*	150	60	3.0	2220	1370	46.90	1	3
61. SB MLKLBAL	*	150	50	3.0	115	71	46.90	1	3
67. EB BALT	*	150	105	3.0	535	1365	46.90	1	3
71. WB FAY	*	150	95	3.0	1145	1281	46.90	1	3
74. EB SAR	*	150	100	3.0	65	1103	46.90	1	3
77. WB SAR	*	150	100	3.0	465	1244	46.90	1	3
81. EB MUL	*	150	92	3.0	1365	1517	46.90	1	3
91. WB FRANK	*	150	90	3.0	1245	1558	46.90	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. S6 R1 SE MID	*	2067.0	801.0	5.0	*
2. S6 R2 SE COR RED	*	2092.0	968.0	5.0	*
3. S6 R3 82 SE	*	2112.0	1043.0	5.0	*
4. S6 R4 SE COR	*	2139.0	1143.0	5.0	*
5. S6 R5 82 ES	*	2237.0	1146.0	5.0	*
6. S6 R6 164 ES	*	2320.0	1149.0	5.0	*
7. S6 R7 MID ES	*	2537.0	1157.0	5.0	*
8. S6 R8 MID EN	*	2537.0	1229.0	5.0	*
9. S6 R9 164 EN	*	2326.0	1213.0	5.0	*
10. S6 R10 82 EN	*	2236.0	1208.0	5.0	*
11. S6 R11 NE COR	*	2145.0	1207.0	5.0	*
12. S6 R12 82 NE	*	2164.0	1292.0	5.0	*
13. S6 R13 164 NE	*	2179.0	1375.0	5.0	*
14. S6 R14 SE COR FAY	*	2210.0	1529.0	5.0	*
15. S6 R15 NE COR FAY	*	2220.0	1608.0	5.0	*
16. S6 R16 NW COR FAY	*	2073.0	1601.0	5.0	*
17. S6 R17 164 NW	*	2054.0	1380.0	5.0	*
18. S6 R18 82 NW	*	2037.0	1298.0	5.0	*
19. S6 R19 NW COR	*	2002.0	1197.0	5.0	*
20. S6 R20 82 WN	*	1909.0	1187.0	5.0	*
21. S6 R21 164 WN	*	1828.0	1179.0	5.0	*
22. S6 R22 MID WN	*	1592.0	1167.0	5.0	*

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JOB: Site C-1 MLK & Baltimore NB 2016 PM RUN: Site C-1 No Build 2016 PM
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RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
23. S6 R23 MID WS	1585.0	1108.0	5.0
24. S6 R24 164 WS	1789.0	1120.0	5.0
25. S6 R25 82 WS	1873.0	1126.0	5.0
26. S6 R26 SW COR	1972.0	1122.0	5.0
27. S6 R27 82 SW	1958.0	1026.0	5.0
28. S6 R28 164 SW	1939.0	947.0	5.0
29. S6 R29 MID SW	1911.0	798.0	5.0

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JOB: Site C-1 MLK & Baltimore NB 2016 PM RUN: Site C-1 No Build 2016 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	1.3	2.0	1.9	1.8	.6	.4	.3	.1	.2	.5	1.9	2.1	2.3	1.5	.9	.7	.7	.7	.3	.0
5.	1.3	2.0	1.8	1.6	.6	.4	.3	.1	.2	.4	1.6	2.0	1.8	1.3	.8	.9	1.0	1.1	.6	.0
10.	.9	1.7	1.4	1.3	.4	.4	.3	.1	.2	.2	1.4	1.5	1.5	.9	.3	1.0	1.3	1.5	1.0	.1
15.	.6	1.5	1.2	.9	.4	.3	.3	.1	.2	.2	1.2	1.1	1.1	.8	.2	1.0	1.6	1.6	1.2	.2
20.	.3	1.1	.9	.9	.4	.3	.3	.1	.1	.2	.8	.8	.9	.9	.1	1.2	1.7	2.0	1.4	.3
25.	.2	.6	.6	.6	.3	.3	.3	.1	.1	.2	.7	.6	.7	.8	.1	1.1	1.9	2.3	1.7	.5
30.	.1	.4	.4	.5	.3	.3	.3	.1	.1	.1	.5	.5	.6	.9	.0	1.2	2.2	2.5	1.8	.6
35.	.0	.3	.2	.3	.3	.3	.2	.1	.1	.1	.3	.4	.5	.9	.0	1.1	2.2	2.3	1.9	.5
40.	.0	.2	.2	.3	.3	.3	.2	.1	.1	.1	.3	.3	.4	1.0	.0	1.1	2.2	2.2	1.8	.8
45.	.0	.2	.2	.4	.3	.3	.2	.0	.1	.1	.2	.3	.4	1.1	.0	1.1	2.1	2.2	1.7	.9
50.	.0	.2	.2	.4	.3	.3	.2	.0	.1	.1	.2	.2	.3	1.2	.0	1.0	2.2	2.3	1.7	1.0
55.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.1	.2	.2	.3	1.3	.0	1.0	2.1	2.0	1.4	.9
60.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.2	.2	.2	1.3	.0	1.0	2.2	2.0	1.2	.8
65.	.0	.2	.2	.3	.3	.3	.3	.0	.0	.0	.1	.1	.2	1.3	.0	1.0	2.1	2.0	1.1	.5
70.	.0	.2	.2	.4	.3	.3	.3	.0	.0	.0	.0	.0	.2	1.3	.1	1.1	2.1	1.7	1.0	.5
75.	.0	.0	.1	.4	.3	.3	.3	.0	.1	.1	.1	.0	.1	1.2	.2	1.1	1.8	1.6	1.1	.6
80.	.0	.0	.1	.4	.3	.3	.3	.1	.1	.1	.1	.0	.0	1.0	.3	1.0	1.9	1.7	1.0	.5
85.	.0	.0	.0	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	.9	.5	1.2	1.7	1.5	.9	.5
90.	.0	.0	.0	.3	.3	.2	.2	.1	.2	.2	.2	.0	.0	.6	.6	1.2	1.8	1.5	1.0	.6
95.	.0	.0	.0	.2	.2	.2	.1	.2	.2	.2	.2	.1	.0	.4	.9	1.4	1.6	1.6	1.0	.7
100.	.0	.0	.0	.2	.1	.1	.1	.2	.2	.2	.2	.1	.0	.3	1.0	1.4	1.7	1.6	1.1	.7
105.	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.2	.1	.0	.2	1.1	1.3	1.6	1.6	1.1	.9
110.	.0	.0	.0	.1	.1	.1	.0	.2	.2	.2	.2	.1	.1	.1	1.2	1.2	1.7	1.6	1.0	1.0
115.	.0	.0	.0	.1	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.3	1.2	1.6	1.5	1.1	1.0
120.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.3	1.0	1.6	1.5	1.2	.9
125.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.2	1.1	1.6	1.5	1.1	1.0
130.	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.2	1.1	1.6	1.6	1.1	1.1
135.	.0	.1	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.0	1.1	1.0	1.5	1.7	1.2	1.2
140.	.0	.1	.1	.0	.0	.0	.0	.2	.2	.2	.2	.2	.1	.0	1.1	1.2	1.6	1.7	1.3	1.2
145.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.2	.2	.1	.0	1.1	1.2	1.7	1.6	1.2	1.1
150.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.2	.2	.2	.0	1.0	1.4	1.8	1.8	1.3	1.2
155.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.2	.2	.2	.0	1.0	1.4	1.8	1.7	1.4	1.3
160.	.0	.1	.1	.1	.0	.0	.0	.2	.2	.2	.3	.2	.2	.0	.9	1.4	1.8	2.0	1.3	1.2
165.	.2	.1	.1	.1	.0	.0	.0	.2	.2	.2	.4	.2	.2	.1	.8	1.6	1.9	2.1	1.4	1.2
170.	.2	.2	.1	.1	.0	.0	.0	.2	.2	.2	.4	.3	.4	.1	.8	1.4	1.9	1.9	1.7	1.3
175.	.5	.5	.3	.2	.0	.0	.0	.2	.2	.2	.6	.4	.6	.2	.9	1.5	1.8	2.0	1.5	1.1
180.	.6	.6	.6	.5	.0	.0	.0	.2	.2	.2	.7	.6	.9	.5	1.1	1.4	1.8	1.8	1.6	1.0
185.	.7	1.0	.9	.9	.0	.0	.0	.2	.2	.2	1.2	.7	1.1	.7	1.1	1.1	1.8	1.8	1.4	.8
190.	.9	1.1	1.1	1.0	.1	.0	.0	.2	.2	.2	1.4	1.1	1.5	1.2	1.6	.8	1.5	1.5	1.1	.7
195.	1.1	1.2	1.4	1.5	.2	.0	.0	.2	.2	.5	2.0	1.4	1.5	1.4	1.8	.6	1.3	1.1	.6	.6
200.	1.0	1.5	1.7	1.8	.4	.0	.0	.2	.2	.6	1.9	1.5	1.7	1.6	1.9	.4	.8	.9	.6	.6
205.	1.2	1.7	1.8	1.7	.5	.1	.0	.2	.3	.7	2.0	1.6	1.7	1.7	2.0	.1	.6	.6	.4	.6

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JOB: Site C-1 MLK & Baltimore NB 2016 PM RUN: Site C-1 No Build 2016 PM

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.1	1.6	1.9	1.8	.4	.2	.0	.2	.4	.8	2.1	1.6	1.9	2.1	1.9	.1	.5	.4	.3	.6
215.	1.1	1.6	1.8	1.8	.5	.3	.0	.2	.6	1.0	1.9	1.4	1.8	2.0	1.8	.1	.2	.5	.5	.6
220.	1.1	1.6	1.8	1.8	.7	.3	.0	.2	.6	.9	1.6	1.5	1.8	1.8	1.7	.1	.2	.3	.4	.6
225.	1.1	1.8	1.8	1.7	.7	.4	.0	.2	.7	.8	1.6	1.3	1.9	1.6	1.6	.1	.2	.3	.5	.6
230.	1.1	1.8	1.9	1.6	.7	.6	.0	.3	.6	.9	1.6	1.3	1.9	1.6	1.5	.1	.1	.3	.5	.5
235.	1.0	1.6	1.8	1.5	.7	.5	.1	.3	.6	.8	1.4	1.2	1.9	1.6	1.3	.1	.1	.3	.5	.5
240.	.9	1.7	1.7	1.3	.7	.4	.1	.5	.6	.9	1.3	1.4	1.8	1.5	1.4	.1	.1	.3	.5	.6
245.	.9	1.7	1.7	1.3	.8	.4	.3	.5	.6	.7	1.4	1.3	1.7	1.4	1.2	.1	.0	.2	.5	.5
250.	.9	1.7	1.7	1.3	.8	.5	.4	.5	.6	.9	1.3	1.3	1.6	1.4	1.3	.1	.0	.2	.5	.5
255.	.9	1.6	1.6	1.5	.7	.5	.4	.5	.7	.8	1.3	1.2	1.7	1.4	1.2	.1	.0	.1	.4	.4
260.	.9	1.5	1.6	1.2	1.0	.6	.4	.4	.5	.8	1.3	1.1	1.6	1.4	1.2	.1	.0	.0	.4	.3
265.	.9	1.5	1.6	1.4	.8	.6	.4	.4	.5	.8	1.1	1.1	1.7	1.3	1.1	.1	.0	.0	.3	.3
270.	.9	1.6	1.6	1.3	1.0	.6	.3	.3	.3	.8	1.2	1.1	1.7	1.3	1.1	.1	.0	.0	.2	.2
275.	.9	1.6	1.7	1.3	1.0	.7	.6	.3	.5	.5	1.0	1.1	1.7	1.4	.9	.1	.0	.0	.1	.1
280.	.9	1.7	1.9	1.2	.9	.6	.5	.3	.4	.6	1.1	1.2	1.7	1.4	1.0	.0	.0	.0	.0	.0

285. *	.8	1.7	1.9	1.5	.6	.6	.5	.4	.4	.6	1.1	1.2	1.7	1.3	1.0	.0	.0	.0	.0	.0
290. *	.8	1.7	1.9	1.2	.9	.6	.6	.3	.4	.6	1.1	1.1	1.6	1.1	1.0	.0	.0	.0	.0	.0
295. *	.9	1.6	1.8	1.2	.9	.7	.7	.3	.3	.6	1.1	1.1	1.6	1.3	1.0	.0	.0	.0	.0	.0
300. *	.9	1.7	1.7	1.2	.8	.7	.6	.3	.5	.6	1.1	1.1	1.7	1.3	1.1	.0	.0	.0	.0	.0
305. *	.9	1.7	1.7	1.4	.8	.6	.4	.2	.6	.6	1.1	1.2	1.7	1.2	1.1	.0	.0	.0	.0	.0
310. *	.8	1.7	1.7	1.2	.7	.6	.4	.2	.6	.5	1.1	1.3	1.8	1.3	1.1	.0	.0	.0	.0	.0
315. *	1.0	1.8	1.6	1.3	.7	.8	.3	.3	.5	.7	1.2	1.3	1.8	1.3	1.1	.0	.0	.1	.0	.0
320. *	.9	1.8	1.6	1.2	.6	.8	.4	.3	.4	.7	1.2	1.5	1.9	1.4	1.1	.0	.0	.1	.0	.0
325. *	.9	1.8	1.6	1.4	.9	.7	.3	.3	.6	.7	1.2	1.6	1.9	1.6	1.1	.0	.0	.1	.0	.0
330. *	1.2	2.0	1.8	1.4	.9	.6	.4	.3	.4	.8	1.3	1.7	2.2	1.6	1.2	.0	.0	.1	.0	.0
335. *	1.3	1.9	1.8	1.5	.8	.6	.5	.4	.4	.8	1.5	1.7	2.1	1.6	1.2	.0	.0	.1	.0	.0
340. *	1.2	2.0	1.9	1.4	.8	.5	.4	.2	.6	.8	1.6	2.0	2.1	1.6	1.4	.0	.0	.1	.0	.0
345. *	1.3	1.9	1.8	1.6	.9	.8	.3	.1	.6	.9	1.7	1.9	2.4	1.7	1.2	.1	.0	.1	.0	.0
350. *	1.2	2.1	1.9	1.9	.9	.6	.3	.1	.5	.7	1.8	2.2	2.4	1.6	1.3	.2	.1	.1	.1	.0
355. *	1.4	2.1	2.1	1.7	.8	.5	.3	.1	.3	.7	1.8	2.4	2.4	1.6	1.3	.4	.3	.6	.1	.0
360. *	1.3	2.0	1.9	1.8	.6	.4	.3	.1	.2	.5	1.9	2.1	2.3	1.5	.9	.7	.7	.7	.3	.0
MAX *	1.4	2.1	2.1	1.9	1.0	.8	.7	.5	.7	1.0	2.1	2.4	2.4	2.1	2.0	1.6	2.2	2.5	1.9	1.3
DEGR. *	355	350	355	350	260	315	295	240	225	215	210	355	345	210	205	165	50	30	35	155

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JOB: Site C-1 MLK & Baltimore NB 2016 PM RUN: Site C-1 No Build 2016 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29
0. *	.0	.0	.2	.2	.8	.4	.4	.4	.4
5. *	.0	.0	.2	.2	.8	.4	.6	.6	.6
10. *	.0	.0	.2	.2	.8	.7	.7	.7	.8
15. *	.1	.0	.2	.2	.8	1.1	.9	.8	1.1
20. *	.0	.0	.2	.2	.9	1.1	1.1	1.1	1.4
25. *	.1	.0	.2	.3	1.2	1.3	1.2	1.3	1.3
30. *	.3	.0	.2	.4	1.2	1.4	1.4	1.4	1.5
35. *	.5	.0	.2	.5	1.3	1.2	1.4	1.3	1.3
40. *	.4	.0	.2	.8	1.6	1.5	1.4	1.6	1.2
45. *	.6	.0	.3	.9	1.8	1.5	1.3	1.5	1.4
50. *	.7	.0	.3	1.0	1.6	1.2	1.3	1.3	1.3
55. *	.7	.0	.3	1.3	1.6	1.2	1.4	1.4	1.3
60. *	.6	.1	.5	1.1	1.3	1.0	1.2	1.4	1.0
65. *	.7	.3	.6	1.0	1.4	1.1	1.2	1.3	.9
70. *	.4	.2	.6	1.1	1.5	1.1	1.2	1.3	.8
75. *	.4	.2	.5	1.3	1.3	1.1	1.2	1.2	.9
80. *	.6	.3	.5	1.2	1.2	1.2	1.3	1.2	.9
85. *	.7	.4	.6	1.0	1.3	1.2	1.2	1.1	.8
90. *	.8	.6	.5	.9	1.1	1.0	1.2	1.1	.9
95. *	.9	.5	.6	.8	1.0	1.0	1.2	1.1	.9
100. *	.9	.6	.4	.7	.8	1.1	1.2	1.1	.8
105. *	.9	.7	.4	.7	.7	1.0	1.2	1.0	.8
110. *	1.0	.6	.4	.7	.7	1.0	1.2	1.0	.8
115. *	1.1	.5	.3	.6	.7	1.0	1.2	1.0	.8
120. *	1.1	.4	.3	.4	.6	1.0	1.2	1.1	.8
125. *	1.1	.4	.2	.4	.5	1.0	1.1	1.0	1.0
130. *	1.1	.4	.2	.4	.5	1.1	1.1	.9	1.0
135. *	1.1	.4	.2	.3	.5	1.1	1.1	1.1	.9
140. *	1.0	.4	.2	.4	.6	1.0	1.2	1.0	1.0
145. *	1.1	.3	.1	.4	.5	1.0	1.1	1.1	1.2
150. *	1.0	.2	.1	.4	.5	1.1	1.1	1.3	1.2
155. *	1.1	.2	.0	.4	.6	1.2	1.3	1.2	1.4
160. *	1.0	.2	.0	.5	.5	1.2	1.3	1.4	1.4
165. *	1.1	.2	.0	.3	.6	1.2	1.4	1.6	1.2
170. *	.8	.2	.0	.2	.5	1.3	1.6	1.5	1.2
175. *	.7	.2	.0	.0	.4	1.4	1.6	1.4	1.0
180. *	.5	.2	.0	.0	.2	1.0	1.3	1.3	.7
185. *	.5	.2	.0	.0	.1	.9	1.0	.9	.4
190. *	.5	.2	.0	.0	.0	.6	.8	.7	.2
195. *	.4	.2	.0	.0	.0	.3	.6	.5	.2
200. *	.4	.2	.0	.0	.0	.3	.3	.3	.0
205. *	.4	.2	.0	.0	.0	.1	.3	.2	.0

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JOB: Site C-1 MLK & Baltimore NB 2016 PM RUN: Site C-1 No Build 2016 PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29
210. *	.3	.2	.0	.0	.0	.0	.1	.2	.0
215. *	.3	.2	.0	.0	.0	.0	.1	.1	.0
220. *	.3	.2	.0	.0	.0	.0	.0	.0	.0
225. *	.2	.2	.0	.0	.0	.0	.0	.0	.0
230. *	.2	.2	.0	.0	.0	.0	.0	.0	.0

235.	*	.3	.2	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.3	.1	.1	.1	.0	.0	.0	.0
245.	*	.3	.3	.1	.1	.1	.0	.0	.0	.0
250.	*	.3	.3	.1	.1	.2	.1	.0	.0	.0
255.	*	.3	.2	.2	.2	.3	.2	.0	.0	.0
260.	*	.2	.2	.2	.2	.4	.2	.0	.0	.0
265.	*	.2	.2	.3	.3	.5	.4	.0	.0	.0
270.	*	.2	.2	.3	.3	.6	.5	.0	.0	.0
275.	*	.2	.0	.3	.4	.8	.6	.0	.0	.0
280.	*	.0	.0	.4	.4	.9	.6	.1	.0	.0
285.	*	.0	.0	.4	.4	.9	.8	.1	.0	.0
290.	*	.0	.0	.4	.4	1.0	.7	.1	.0	.0
295.	*	.0	.0	.3	.3	.9	.7	.1	.0	.0
300.	*	.0	.0	.3	.3	.9	.7	.2	.0	.0
305.	*	.0	.0	.3	.3	.9	.7	.2	.0	.0
310.	*	.0	.0	.3	.3	.9	.7	.2	.0	.0
315.	*	.0	.0	.2	.2	.8	.7	.2	.0	.0
320.	*	.0	.0	.2	.2	.8	.6	.2	.0	.0
325.	*	.0	.0	.2	.2	.8	.5	.3	.1	.0
330.	*	.0	.0	.2	.2	.8	.5	.3	.1	.0
335.	*	.0	.0	.2	.2	.8	.5	.3	.1	.0
340.	*	.0	.0	.2	.2	.8	.4	.3	.1	.0
345.	*	.0	.0	.2	.2	.8	.4	.3	.2	.0
350.	*	.0	.0	.2	.2	.8	.3	.3	.2	.2
355.	*	.0	.0	.2	.2	.8	.3	.3	.2	.3
360.	*	.0	.0	.2	.2	.8	.4	.4	.4	.4
MAX	*	1.1	.7	.6	1.3	1.8	1.5	1.6	1.6	1.5
DEGR.	*	115	105	65	55	45	40	175	40	30

THE HIGHEST CONCENTRATION IS 2.50 PPM AT 30 DEGREES FROM REC18.
THE 2ND HIGHEST CONCENTRATION IS 2.40 PPM AT 345 DEGREES FROM REC13.
THE 3RD HIGHEST CONCENTRATION IS 2.40 PPM AT 355 DEGREES FROM REC12.

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C2 Eastern & Patterson COAM             60.0321.0.0000.000280.30480000    1    1
SE MID S                 1259.      865.       5.0
SE 164 S                 1251.     1003.       5.0
SE 82 S                  1247.     1084.       5.0
SE CNR                   1244.     1165.       5.0
SE 82 E                  1325.     1170.       5.0
SE 164 E                 1406.     1175.       5.0
SE MID E                 1567.     1182.       5.0
NE MID E                 1559.     1244.       5.0
NE 164 E                 1406.     1237.       5.0
NE 82 E                  1324.     1232.       5.0
NE CNR                   1245.     1233.       5.0
NE 82 N                  1240.     1308.       5.0
NE 164 N                 1236.     1391.       5.0
NE MID N                 1232.     1529.       5.0
NW MID N                 1168.     1532.       5.0
NW 164 N                 1174.     1388.       5.0
NW 82 N                  1177.     1307.       5.0
NW CNR                   1179.     1225.       5.0
NW 82 W                  1098.     1220.       5.0
NW 164 W                 1016.     1216.       5.0
NW MID W                  818.     1206.       5.0
SW MID W                  819.     1143.       5.0
SW 164 W                 1018.     1154.       5.0
SW 82 W                  1101.     1159.       5.0
SW CNR                   1178.     1160.       5.0
SW 82 S                  1186.     1082.       5.0
SW 164 S                 1190.     1000.       5.0
SW MID S                 1198.      862.       5.0
C-2 Construction 2016 AM                 19  1   0
  1
EB        East      AG   216.  1138.  1017.  1179.    555. 8.6   0  32   35.
  1
EB        East      AG  1017.  1179.  1215.  1189.    555. 8.6   0  32   35.
  2
EB        East      AG  1172.  1187.  1026.  1179.      0.  12   1
       110        35       2.0  555   46.9  806 1 3
  1
EB        East dep  AG  1215.  1189.  2213.  1238.    370. 8.6   0  32   35.
  1
WB        East      AG  2212.  1252.  1563.  1220.    720. 8.6   0  32   35.
  1
WB        East      AG  1563.  1220.  1213.  1202.    720. 8.6   0  32   35.
  2
WB        East      AG  1255.  1204.  1532.  1218.      0.  12   1
       110        45       2.0  720   46.9 1268 1 3
  1
WB        East dep  AG  1213.  1202.   216.  1149.   1115. 8.6   0  32   35.
  1
NB        PP ap     AG  1253.   522.  1227.  1042.    305. 9.0   0  32   25.
  1
NB        PP ap     AG  1227.  1042.  1221.  1196.    305. 9.0   0  44   25.
  2
NB        PP        AG  1223.  1159.  1227.  1052.      0.  24   2
       110        85       2.0  305   46.9 1396 1 3
  1
NB        PP dep    AG  1221.  1196.  1204.  1564.    595. 9.0   0  32   25.
  1
NB        PP dep    AG  1204.  1564.  1183.  1927.    595. 9.0   0  32   25.
  1
NB        PP dep    AG  1183.  1927.  1171.  2195.    595. 9.0   0  32   25.
  1
SB        PP ap     AG  1155.  2196.  1171.  1926.    415. 9.0   0  32   25.
  1
SB        PP ap     AG  1171.  1926.  1189.  1552.    415. 9.0   0  32   25.
  1
SB        PP ap     AG  1189.  1552.  1202.  1195.    415. 9.0   0  44   25.
  2
SB        PP        AG  1201.  1237.  1193.  1431.      0.  24   2
       110        75       2.0  415   46.9  979 1 3
  1
SB        PP dep    AG  1202.  1195.  1241.   529.    175. 9.0   0  32   25.
1.0   04  1000   0Y  5  0 72
```

JOB: C2 Eastern & Patterson COAM RUN: C-2 Construction 2016 AM
DATE: 09/18/2012 TIME: 08:02:39.79

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	East	*	216.0	1138.0	1017.0	1179.0	*	802.	87.	AG	555.	8.6	.0	32.0		
2. EB	East	*	1017.0	1179.0	1215.0	1189.0	*	198.	87.	AG	555.	8.6	.0	32.0		
3. EB	East	*	1172.0	1187.0	603.1	1155.8	*	570.	267.	AG	40.	100.0	.0	12.0	1.07	28.9
4. EB	East dep	*	1215.0	1189.0	2213.0	1238.0	*	999.	87.	AG	370.	8.6	.0	32.0		
5. WB	East	*	2212.0	1252.0	1563.0	1220.0	*	650.	267.	AG	720.	8.6	.0	32.0		
6. WB	East	*	1563.0	1220.0	1213.0	1202.0	*	350.	267.	AG	720.	8.6	.0	32.0		
7. WB	East	*	1255.0	1204.0	1731.4	1228.1	*	477.	87.	AG	51.	100.0	.0	12.0	1.02	24.2
8. WB	East dep	*	1213.0	1202.0	216.0	1149.0	*	998.	267.	AG	1115.	8.6	.0	32.0		
9. NB	PP ap	*	1253.0	522.0	1227.0	1042.0	*	521.	357.	AG	305.	9.0	.0	32.0		
10. NB	PP ap	*	1227.0	1042.0	1221.0	1196.0	*	154.	358.	AG	305.	9.0	.0	44.0		
11. NB	PP	*	1223.0	1159.0	1225.6	1088.4	*	71.	178.	AG	194.	100.0	.0	24.0	.57	3.6
12. NB	PP dep	*	1221.0	1196.0	1204.0	1564.0	*	368.	357.	AG	595.	9.0	.0	32.0		
13. NB	PP dep	*	1204.0	1564.0	1183.0	1927.0	*	364.	357.	AG	595.	9.0	.0	32.0		
14. NB	PP dep	*	1183.0	1927.0	1171.0	2195.0	*	268.	357.	AG	595.	9.0	.0	32.0		
15. SB	PP ap	*	1155.0	2196.0	1171.0	1926.0	*	270.	177.	AG	415.	9.0	.0	32.0		
16. SB	PP ap	*	1171.0	1926.0	1189.0	1552.0	*	374.	177.	AG	415.	9.0	.0	32.0		
17. SB	PP ap	*	1189.0	1552.0	1202.0	1195.0	*	357.	178.	AG	415.	9.0	.0	44.0		
18. SB	PP	*	1201.0	1237.0	1197.2	1328.0	*	91.	358.	AG	172.	100.0	.0	24.0	.75	4.6
19. SB	PP dep	*	1202.0	1195.0	1241.0	529.0	*	667.	177.	AG	175.	9.0	.0	32.0		

JOB: C2 Eastern & Patterson COAM RUN: C-2 Construction 2016 AM
DATE: 09/18/2012 TIME: 08:02:39.79

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. EB	East	*	110	35	2.0	555	806	46.90	1	3
7. WB	East	*	110	45	2.0	720	1268	46.90	1	3
11. NB	PP	*	110	85	2.0	305	1396	46.90	1	3
18. SB	PP	*	110	75	2.0	415	979	46.90	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1259.0	865.0	5.0	*
2. SE 164 S	*	1251.0	1003.0	5.0	*
3. SE 82 S	*	1247.0	1084.0	5.0	*
4. SE CNR	*	1244.0	1165.0	5.0	*
5. SE 82 E	*	1325.0	1170.0	5.0	*
6. SE 164 E	*	1406.0	1175.0	5.0	*
7. SE MID E	*	1567.0	1182.0	5.0	*
8. NE MID E	*	1559.0	1244.0	5.0	*
9. NE 164 E	*	1406.0	1237.0	5.0	*
10. NE 82 E	*	1324.0	1232.0	5.0	*
11. NE CNR	*	1245.0	1233.0	5.0	*
12. NE 82 N	*	1240.0	1308.0	5.0	*
13. NE 164 N	*	1236.0	1391.0	5.0	*
14. NE MID N	*	1232.0	1529.0	5.0	*
15. NW MID N	*	1168.0	1532.0	5.0	*
16. NW 164 N	*	1174.0	1388.0	5.0	*
17. NW 82 N	*	1177.0	1307.0	5.0	*
18. NW CNR	*	1179.0	1225.0	5.0	*
19. NW 82 W	*	1098.0	1220.0	5.0	*
20. NW 164 W	*	1016.0	1216.0	5.0	*
21. NW MID W	*	818.0	1206.0	5.0	*
22. SW MID W	*	819.0	1143.0	5.0	*
23. SW 164 W	*	1018.0	1154.0	5.0	*
24. SW 82 W	*	1101.0	1159.0	5.0	*
25. SW CNR	*	1178.0	1160.0	5.0	*
26. SW 82 S	*	1186.0	1082.0	5.0	*
27. SW 164 S	*	1190.0	1000.0	5.0	*
28. SW MID S	*	1198.0	862.0	5.0	*

JOB: C2 Eastern & Patterson COAM RUN: C-2 Construction 2016 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first

angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.2	.6	.5	.3	.3	.4	.0	.0	.0	.1	.1	.2	.1	.2	.3	.3	.6	.0	.0
5.	.0	.1	.4	.3	.3	.4	.3	.0	.0	.0	.1	.1	.1	.1	.2	.4	.3	.6	.0	.0
10.	.0	.1	.2	.3	.3	.4	.3	.0	.0	.0	.1	.1	.0	.1	.2	.4	.4	.7	.0	.0
15.	.0	.0	.1	.2	.3	.4	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4	.8	.0	.0
20.	.0	.0	.1	.2	.3	.4	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4	.8	.0	.0
25.	.0	.0	.1	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3	.5	.8	.1	.0
30.	.0	.0	.1	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3	.5	.8	.2	.0
35.	.0	.0	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.5	.8	.3	.0
40.	.0	.0	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.6	.7	.3	.0
45.	.0	.0	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.2	.5	.6	.3	.0
50.	.0	.0	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.2	.5	.5	.3	.0
55.	.0	.0	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.5	.3	.1
60.	.0	.0	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.5	.4	.1
65.	.0	.0	.1	.4	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.3	.1
70.	.0	.0	.0	.4	.4	.5	.4	.1	.0	.0	.0	.0	.0	.0	.2	.2	.7	.4	.2	.2
75.	.0	.0	.0	.4	.4	.5	.4	.1	.0	.1	.1	.0	.0	.0	.2	.2	.7	.4	.3	.2
80.	.0	.0	.0	.3	.4	.4	.3	.1	.3	.2	.2	.0	.0	.0	.2	.2	.7	.5	.4	.2
85.	.0	.0	.0	.3	.4	.4	.2	.4	.4	.4	.3	.0	.0	.0	.2	.2	.7	.6	.4	.4
90.	.0	.0	.0	.3	.3	.2	.2	.4	.4	.5	.3	.0	.0	.0	.2	.2	.7	.6	.6	.4
95.	.0	.0	.0	.1	.1	.2	.2	.5	.5	.5	.4	.0	.0	.0	.2	.2	.7	.7	.6	.5
100.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.4	.0	.0	.0	.2	.2	.7	.7	.6	.4
105.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.4	.1	.0	.0	.2	.2	.8	.7	.5	.7
110.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.5	.4	.1	.0	.0	.2	.2	.8	.7	.6	.7
115.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.4	.2	.0	.0	.2	.2	.9	.6	.5	.7
120.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.2	.0	.0	.2	.2	.8	.6	.6	.7
125.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.2	.0	.0	.2	.2	.8	.6	.6	.6
130.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.2	.0	.0	.2	.3	.9	.7	.6	.5
135.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.1	.1	.0	.3	.5	.9	.6	.6	.5
140.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.1	.1	.0	.4	.5	1.0	.6	.6	.5
145.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.1	.1	.0	.4	.4	1.0	.8	.6	.5
150.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.1	.1	.0	.4	.5	1.0	.8	.5	.5
155.	.0	.0	.0	.0	.0	.0	.0	.3	.4	.4	.4	.1	.1	.0	.4	.5	.9	.8	.5	.5
160.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.3	.1	.0	.0	.4	.5	.9	.9	.5	.5
165.	.0	.0	.0	.1	.0	.0	.0	.4	.4	.4	.4	.1	.0	.1	.4	.5	.9	.9	.5	.5
170.	.1	.1	.1	.2	.0	.0	.0	.4	.4	.4	.4	.3	.1	.1	.4	.5	.6	.7	.5	.5
175.	.1	.1	.1	.3	.0	.0	.0	.4	.4	.4	.4	.3	.2	.1	.4	.6	.5	.7	.5	.5
180.	.1	.1	.2	.4	.0	.0	.0	.4	.4	.4	.6	.3	.2	.3	.4	.4	.5	.6	.5	.6
185.	.1	.1	.2	.4	.0	.0	.0	.3	.4	.4	.6	.3	.4	.4	.1	.3	.3	.4	.5	.5
190.	.1	.1	.2	.5	.0	.0	.0	.4	.4	.4	.6	.4	.5	.4	.1	.3	.4	.4	.5	.5
195.	.1	.1	.2	.6	.0	.0	.0	.4	.4	.4	.7	.6	.6	.4	.2	.3	.3	.4	.5	.5
200.	.1	.1	.2	.6	.0	.0	.0	.4	.4	.4	.7	.6	.6	.3	.1	.1	.2	.4	.5	.5
205.	.1	.1	.2	.7	.0	.0	.0	.4	.4	.5	.5	.6	.6	.4	.1	.1	.2	.5	.5	.5

1

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.1	.1	.1	.7	.0	.0	.0	.4	.4	.5	.5	.6	.6	.4	.1	.1	.2	.5	.5	.5
215.	.1	.1	.1	.7	.0	.0	.0	.4	.4	.5	.5	.8	.5	.4	.1	.1	.1	.5	.5	.5
220.	.1	.1	.1	.7	.1	.0	.0	.4	.4	.5	.4	.8	.5	.4	.1	.1	.1	.5	.5	.5
225.	.1	.1	.1	.6	.1	.0	.0	.4	.4	.5	.4	.8	.5	.4	.1	.1	.1	.5	.6	.5
230.	.1	.1	.1	.6	.1	.0	.0	.4	.5	.5	.6	.7	.5	.4	.1	.1	.1	.6	.6	.6
235.	.1	.1	.1	.6	.1	.0	.0	.4	.5	.5	.6	.7	.4	.4	.1	.1	.1	.6	.6	.6
240.	.1	.1	.1	.5	.1	.1	.0	.5	.5	.6	.6	.7	.4	.4	.1	.1	.1	.6	.7	.6
245.	.1	.1	.1	.5	.2	.1	.0	.5	.6	.6	.8	.7	.4	.3	.0	.1	.2	.6	.7	.7
250.	.1	.1	.1	.4	.2	.1	.0	.5	.6	.6	.8	.7	.4	.3	.0	.1	.2	.7	.8	.7
255.	.1	.1	.2	.5	.2	.2	.0	.6	.5	.6	.8	.7	.4	.3	.0	.1	.2	.7	.6	.6
260.	.1	.1	.2	.5	.2	.2	.3	.5	.4	.4	1.0	.7	.3	.3	.0	.0	.1	.7	.6	.6
265.	.1	.1	.2	.8	.3	.4	.3	.5	.3	.5	1.0	.7	.3	.3	.0	.0	.1	.6	.6	.6
270.	.1	.1	.4	.7	.5	.3	.4	.3	.3	.5	.6	.7	.3	.3	.0	.0	.0	.4	.4	.4
275.	.1	.1	.4	.8	.6	.3	.4	.2	.3	.4	.7	.6	.3	.3	.0	.0	.0	.2	.3	.3
280.	.1	.2	.5	.7	.5	.4	.5	.1	.2	.3	.6	.6	.3	.3	.0	.0	.0	.1	.1	.1
285.	.1	.2	.5	.6	.4	.4	.4	.0	.1	.3	.6	.5	.3	.2	.0	.0	.0	.1	.1	.1
290.	.1	.2	.6	.5	.3	.6	.4	.0	.1	.2	.6	.5	.3	.2	.0	.0	.0	.0	.0	.0
295.	.2	.2	.6	.4	.6	.5	.4	.0	.1	.2	.6	.5	.3	.2	.0	.0	.0	.0	.0	.0
300.	.2	.2	.7	.4	.6	.5	.4	.0	.0	.2	.6	.4	.3	.1	.0	.0	.0	.0	.0	.0
305.	.2	.2	.8	.5	.6	.5	.4	.0	.0	.2	.6	.4	.3	.2	.0	.0	.0	.0	.0	.0
310.	.2	.2	.8	.8	.6	.4	.4	.0	.0	.2	.6	.4	.3	.2	.0	.0	.0	.0	.0	.0
315.	.2	.2	.9	.8	.6	.4	.4	.0	.0	.2	.6	.4	.3	.3	.0	.0	.0	.0	.0	.0
320.	.2	.2	.9	.7	.6	.4	.3	.0	.0	.1	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0
325.	.2	.3	.9	.7	.6	.4	.3	.0	.0	.1	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0
330.	.2	.4	.8	.8	.5	.4	.3	.0	.0	.1	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0
335.	.1	.4	.8	.7	.4	.4	.3	.0	.0	.1	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0
340.	.1	.4	1.0	.8	.4	.4	.3	.0	.0	.0	.5	.3	.3	.4	.0	.1	.1	.1	.0	.0
345.	.1	.3	.8	.8	.3	.4	.3	.0	.0	.0	.4	.3	.4	.3	.1	.1	.1	.2	.0	.0
350.	.2	.5	.8	.6	.3	.4	.4	.0	.0	.0	.4	.3	.4	.3	.2	.1	.1	.2	.0	.0
355.	.2	.3	.8	.6	.3	.3	.4	.0	.0	.0	.3	.3	.2	.2	.2	.1	.2	.4	.0	.0
360.	.1	.2	.6	.5	.3	.3	.4	.0	.0	.0	.1	.1	.2	.1	.2	.3	.3	.6	.0	.0
MAX	.2	.5	1.0	.8	.6	.6	.5	.6	.6	.6	1.0	.8	.6	.4	.4	.6	1.0	.9	.8	.7
DEGR.	295	350	340	275	275	290	280	255	245	240	260	215	195	185	40	175	140	160	250	105

1

JOB: C2 Eastern & Patterson COAM RUN: C-2 Construction 2016 AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.4	.5	.4	.7	.4	.3	.1
5.	.0	.4	.5	.4	.7	.5	.4	.2
10.	.0	.4	.4	.4	.7	.6	.3	.2
15.	.0	.4	.4	.4	.7	.6	.3	.2
20.	.0	.4	.4	.6	.7	.6	.3	.2
25.	.0	.4	.4	.7	.6	.6	.3	.2
30.	.0	.4	.4	.8	.6	.6	.3	.2
35.	.0	.5	.4	.8	.6	.6	.2	.2
40.	.0	.6	.6	.8	.5	.7	.2	.2
45.	.0	.6	.7	.8	.4	.7	.1	.2
50.	.0	.6	.7	.7	.4	.7	.1	.2
55.	.0	.6	.7	.7	.4	.7	.2	.2
60.	.0	.6	.7	.7	.4	.5	.1	.1
65.	.0	.6	.6	.6	.6	.5	.1	.1
70.	.1	.6	.5	.6	.6	.4	.1	.1
75.	.1	.6	.6	.4	.5	.3	.1	.1
80.	.2	.4	.5	.6	.5	.3	.1	.1
85.	.2	.4	.4	.5	.5	.4	.1	.1
90.	.5	.3	.3	.4	.5	.3	.1	.1
95.	.6	.2	.2	.1	.4	.2	.1	.1
100.	.6	.0	.1	.1	.4	.2	.1	.1
105.	.6	.0	.1	.1	.4	.1	.1	.1
110.	.6	.0	.1	.1	.4	.1	.1	.1
115.	.6	.0	.0	.1	.4	.2	.1	.1
120.	.6	.0	.0	.1	.4	.2	.2	.2
125.	.6	.0	.0	.1	.5	.2	.2	.2
130.	.5	.0	.0	.1	.5	.1	.2	.2
135.	.5	.0	.0	.0	.5	.1	.2	.2
140.	.5	.0	.0	.0	.5	.1	.2	.2
145.	.5	.0	.0	.0	.4	.2	.2	.2
150.	.5	.0	.0	.0	.4	.2	.2	.2
155.	.5	.0	.0	.0	.4	.2	.2	.2
160.	.5	.0	.0	.0	.2	.2	.2	.2
165.	.5	.0	.0	.0	.2	.2	.2	.2
170.	.5	.0	.0	.0	.1	.2	.2	.2
175.	.5	.0	.0	.0	.1	.2	.2	.0
180.	.5	.0	.0	.0	.0	.0	.0	.0
185.	.5	.0	.0	.0	.0	.0	.0	.0
190.	.5	.0	.0	.0	.0	.0	.0	.0
195.	.5	.0	.0	.0	.0	.0	.0	.0
200.	.5	.0	.0	.0	.0	.0	.0	.0
205.	.5	.0	.0	.0	.0	.0	.0	.0

1

JOB: C2 Eastern & Patterson COAM RUN: C-2 Construction 2016 AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.5	.0	.0	.0	.0	.0	.0	.0
215.	.5	.0	.0	.0	.0	.0	.0	.0
220.	.5	.0	.0	.0	.0	.0	.0	.0
225.	.5	.0	.0	.0	.0	.0	.0	.0
230.	.6	.0	.0	.0	.0	.0	.0	.0
235.	.6	.0	.0	.0	.0	.0	.0	.0
240.	.6	.0	.0	.0	.0	.0	.0	.0
245.	.6	.0	.0	.0	.0	.0	.0	.0
250.	.7	.0	.0	.0	.0	.0	.0	.0
255.	.6	.2	.2	.2	.1	.0	.0	.0
260.	.5	.2	.2	.3	.2	.0	.0	.0
265.	.4	.3	.4	.5	.5	.0	.0	.0
270.	.4	.5	.5	.5	.5	.1	.0	.0
275.	.3	.6	.6	.6	.6	.2	.0	.0
280.	.1	.6	.6	.6	.6	.2	.1	.0
285.	.1	.6	.6	.6	.6	.2	.1	.0
290.	.0	.6	.6	.6	.6	.2	.1	.0
295.	.0	.6	.6	.6	.6	.1	.1	.1
300.	.0	.6	.6	.6	.6	.1	.1	.1
305.	.0	.6	.6	.6	.6	.1	.1	.1
310.	.0	.6	.6	.6	.6	.1	.1	.1
315.	.0	.6	.6	.6	.5	.2	.1	.1
320.	.0	.5	.4	.5	.4	.2	.1	.1
325.	.0	.4	.4	.5	.4	.2	.1	.1
330.	.0	.4	.4	.4	.4	.2	.1	.1
335.	.0	.4	.4	.4	.4	.2	.1	.1

```
340.  *    .0    .4    .4    .4    .3    .2    .1    .1
345.  *    .0    .4    .4    .4    .4    .2    .1    .0
350.  *    .0    .4    .5    .4    .5    .3    .1    .0
355.  *    .0    .4    .5    .4    .6    .5    .2    .0
360.  *    .0    .4    .5    .4    .7    .4    .3    .1
------*-----------------------------------------------
MAX   *    .7    .6    .7    .8    .7    .7    .4    .2
DEGR. *  250    40    45    30     0    40     5     5

THE HIGHEST CONCENTRATION IS    1.00 PPM AT  340 DEGREES FROM REC3 .
THE 2ND HIGHEST CONCENTRATION IS    1.00 PPM AT  260 DEGREES FROM REC11.
THE 3RD HIGHEST CONCENTRATION IS    1.00 PPM AT  140 DEGREES FROM REC17.
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C2 Eastern & Patterson COPM             60.0321.0.0000.000280.30480000    1    1
SE MID S                 1259.      865.       5.0
SE 164 S                 1251.     1003.       5.0
SE 82 S                  1247.     1084.       5.0
SE CNR                   1244.     1165.       5.0
SE 82 E                  1325.     1170.       5.0
SE 164 E                 1406.     1175.       5.0
SE MID E                 1567.     1182.       5.0
NE MID E                 1559.     1244.       5.0
NE 164 E                 1406.     1237.       5.0
NE 82 E                  1324.     1232.       5.0
NE CNR                   1245.     1233.       5.0
NE 82 N                  1240.     1308.       5.0
NE 164 N                 1236.     1391.       5.0
NE MID N                 1232.     1529.       5.0
NW MID N                 1168.     1532.       5.0
NW 164 N                 1174.     1388.       5.0
NW 82 N                  1177.     1307.       5.0
NW CNR                   1179.     1225.       5.0
NW 82 W                  1098.     1220.       5.0
NW 164 W                 1016.     1216.       5.0
NW MID W                  818.     1206.       5.0
SW MID W                  819.     1143.       5.0
SW 164 W                 1018.     1154.       5.0
SW 82 W                  1101.     1159.       5.0
SW CNR                   1178.     1160.       5.0
SW 82 S                  1186.     1082.       5.0
SW 164 S                 1190.     1000.       5.0
SW MID S                 1198.      862.       5.0
C-2 Construction 2016 PM                 19  1   0
  1
EB        East      AG   216.  1138.  1017.  1179.   1025. 8.6   0  32   35.
  1
EB        East      AG  1017.  1179.  1215.  1189.   1025. 8.6   0  32   35.
  2
EB        East      AG  1172.  1187.  1026.  1179.      0.  12   1
       110        40       2.0 1025   46.9  923 1 3
  1
EB        East dep  AG  1215.  1189.  2213.  1238.   1320. 8.6   0  32   35.
  1
WB        East      AG  2212.  1252.  1563.  1220.    850. 8.6   0  32   35.
  1
WB        East      AG  1563.  1220.  1213.  1202.    850. 8.6   0  32   35.
  2
WB        East      AG  1255.  1204.  1532.  1218.      0.  12   1
       110        50       2.0  850   46.9 1056 1 3
  1
WB        East dep  AG  1213.  1202.   216.  1149.    725. 8.6   0  32   35.
  1
NB        PP ap     AG  1253.   522.  1227.  1042.    215. 8.6   0  32   25.
  1
NB        PP ap     AG  1227.  1042.  1221.  1196.    215. 9.0   0  44   25.
  2
NB        PP        AG  1223.  1159.  1227.  1052.      0.  24   2
       110        70       2.0  215   46.9 1437 1 3
  1
NB        PP dep    AG  1221.  1196.  1204.  1564.    420. 9.0   0  32   25.
  1
NB        PP dep    AG  1204.  1564.  1183.  1927.    420. 9.0   0  32   25.
  1
NB        PP dep    AG  1183.  1927.  1171.  2195.    420. 9.0   0  32   25.
  1
SB        PP ap     AG  1155.  2196.  1171.  1926.    595. 9.0   0  32   25.
  1
SB        PP ap     AG  1171.  1926.  1189.  1552.    595. 9.0   0  32   25.
  1
SB        PP ap     AG  1189.  1552.  1202.  1195.    595. 9.0   0  44   25.
  2
SB        PP        AG  1201.  1237.  1193.  1431.      0.  24   2
       110        70       2.0  595   46.9 1293 1 3
  1
SB        PP dep    AG  1202.  1195.  1241.   529.    220. 9.0   0  32   25.
1.0   04  1000   0Y  5  0 72
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JOB: C2 Eastern & Patterson COPM RUN: C-2 Construction 2016 PM
DATE: 09/18/2012 TIME: 08:02:52.64

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	East	*	216.0	1138.0	1017.0	1179.0	*	802.	87.	AG	1025.	8.6	.0	32.0		
2. EB	East	*	1017.0	1179.0	1215.0	1189.0	*	198.	87.	AG	1025.	8.6	.0	32.0		
3. EB	East	*	1172.0	1187.0	-3903.3	908.9	*	5083.	267.	AG	46.	100.0	.0	12.0	1.85	258.2
4. EB	East dep	*	1215.0	1189.0	2213.0	1238.0	*	999.	87.	AG	1320.	8.6	.0	32.0		
5. WB	East	*	2212.0	1252.0	1563.0	1220.0	*	650.	267.	AG	850.	8.6	.0	32.0		
6. WB	East	*	1563.0	1220.0	1213.0	1202.0	*	350.	267.	AG	850.	8.6	.0	32.0		
7. WB	East	*	1255.0	1204.0	4742.7	1380.3	*	3492.	87.	AG	57.	100.0	.0	12.0	1.58	177.4
8. WB	East dep	*	1213.0	1202.0	216.0	1149.0	*	998.	267.	AG	725.	8.6	.0	32.0		
9. NB	PP ap	*	1253.0	522.0	1227.0	1042.0	*	521.	357.	AG	215.	8.6	.0	32.0		
10. NB	PP ap	*	1227.0	1042.0	1221.0	1196.0	*	154.	358.	AG	215.	9.0	.0	44.0		
11. NB	PP	*	1223.0	1159.0	1224.5	1118.1	*	41.	178.	AG	160.	100.0	.0	24.0	.23	2.1
12. NB	PP dep	*	1221.0	1196.0	1204.0	1564.0	*	368.	357.	AG	420.	9.0	.0	32.0		
13. NB	PP dep	*	1204.0	1564.0	1183.0	1927.0	*	364.	357.	AG	420.	9.0	.0	32.0		
14. NB	PP dep	*	1183.0	1927.0	1171.0	2195.0	*	268.	357.	AG	420.	9.0	.0	32.0		
15. SB	PP ap	*	1155.0	2196.0	1171.0	1926.0	*	270.	177.	AG	595.	9.0	.0	32.0		
16. SB	PP ap	*	1171.0	1926.0	1189.0	1552.0	*	374.	177.	AG	595.	9.0	.0	32.0		
17. SB	PP ap	*	1189.0	1552.0	1202.0	1195.0	*	357.	178.	AG	595.	9.0	.0	44.0		
18. SB	PP	*	1201.0	1237.0	1196.3	1350.6	*	114.	358.	AG	160.	100.0	.0	24.0	.70	5.8
19. SB	PP dep	*	1202.0	1195.0	1241.0	529.0	*	667.	177.	AG	220.	9.0	.0	32.0		

JOB: C2 Eastern & Patterson COPM RUN: C-2 Construction 2016 PM
DATE: 09/18/2012 TIME: 08:02:52.64

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. EB	East	*	110	40	2.0	1025	923	46.90	1	3
7. WB	East	*	110	50	2.0	850	1056	46.90	1	3
11. NB	PP	*	110	70	2.0	215	1437	46.90	1	3
18. SB	PP	*	110	70	2.0	595	1293	46.90	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1259.0	865.0	5.0	*
2. SE 164 S	*	1251.0	1003.0	5.0	*
3. SE 82 S	*	1247.0	1084.0	5.0	*
4. SE CNR	*	1244.0	1165.0	5.0	*
5. SE 82 E	*	1325.0	1170.0	5.0	*
6. SE 164 E	*	1406.0	1175.0	5.0	*
7. SE MID E	*	1567.0	1182.0	5.0	*
8. NE MID E	*	1559.0	1244.0	5.0	*
9. NE 164 E	*	1406.0	1237.0	5.0	*
10. NE 82 E	*	1324.0	1232.0	5.0	*
11. NE CNR	*	1245.0	1233.0	5.0	*
12. NE 82 N	*	1240.0	1308.0	5.0	*
13. NE 164 N	*	1236.0	1391.0	5.0	*
14. NE MID N	*	1232.0	1529.0	5.0	*
15. NW MID N	*	1168.0	1532.0	5.0	*
16. NW 164 N	*	1174.0	1388.0	5.0	*
17. NW 82 N	*	1177.0	1307.0	5.0	*
18. NW CNR	*	1179.0	1225.0	5.0	*
19. NW 82 W	*	1098.0	1220.0	5.0	*
20. NW 164 W	*	1016.0	1216.0	5.0	*
21. NW MID W	*	818.0	1206.0	5.0	*
22. SW MID W	*	819.0	1143.0	5.0	*
23. SW 164 W	*	1018.0	1154.0	5.0	*
24. SW 82 W	*	1101.0	1159.0	5.0	*
25. SW CNR	*	1178.0	1160.0	5.0	*
26. SW 82 S	*	1186.0	1082.0	5.0	*
27. SW 164 S	*	1190.0	1000.0	5.0	*
28. SW MID S	*	1198.0	862.0	5.0	*

JOB: C2 Eastern & Patterson COPM RUN: C-2 Construction 2016 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first

angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.1	.7	.8	.6	.7	.6	.0	.0	.0	.2	.2	.1	.2	.4	.3	.4	.6	.0	.0
5.	.1	.1	.3	.8	.6	.7	.5	.0	.0	.0	.1	.1	.0	.1	.4	.4	.6	.8	.0	.0
10.	.1	.2	.2	.5	.6	.7	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.6	.8	.0	.0
15.	.1	.2	.2	.5	.6	.7	.6	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.9	.0	.0
20.	.1	.2	.2	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.9	.1	.0
25.	.1	.2	.2	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.4	.3	.8	.9	.1	.0
30.	.1	.2	.2	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	.8	.2	.0
35.	.1	.2	.2	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.2	.0
40.	.1	.2	.3	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.3	.3	.8	.7	.2	.0
45.	.1	.2	.4	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.3	.3	.8	.7	.2	.0
50.	.1	.1	.4	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.3	.3	.8	.6	.3	.1
55.	.1	.1	.4	.7	.8	.8	.8	.0	.0	.0	.0	.0	.0	.0	.3	.3	.8	.6	.3	.1
60.	.1	.1	.4	.8	.8	.8	.8	.0	.0	.0	.0	.0	.0	.0	.3	.3	.8	.6	.3	.1
65.	.1	.1	.4	.8	.8	.9	.8	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.5	.2	.1
70.	.0	.1	.4	.8	.9	.9	.8	.1	.0	.0	.0	.0	.0	.0	.3	.3	.8	.6	.2	.1
75.	.0	.1	.3	.8	.9	.8	.8	.3	.4	.3	.3	.0	.0	.0	.3	.3	.8	.7	.4	.3
80.	.0	.1	.2	.9	.8	.8	.8	.4	.4	.5	.3	.0	.0	.0	.3	.3	.8	.8	.6	.6
85.	.0	.0	.2	.7	.7	.7	.7	.5	.5	.6	.5	.1	.0	.0	.3	.3	.9	.9	.7	.6
90.	.0	.0	.1	.5	.6	.7	.5	.8	.8	.8	.7	.2	.0	.0	.3	.3	1.0	.9	.8	.7
95.	.0	.0	.0	.4	.4	.5	.4	.8	.8	.9	.8	.3	.1	.0	.3	.4	1.0	.9	.8	.8
100.	.0	.0	.0	.2	.2	.2	.2	.8	.8	1.0	.7	.3	.1	.0	.3	.5	1.1	1.0	.7	.7
105.	.0	.0	.0	.1	.1	.1	.1	.9	1.0	.9	.8	.4	.2	.0	.3	.5	1.2	1.0	.7	.6
110.	.0	.0	.0	.0	.1	.1	.1	.8	.8	.9	.7	.4	.1	.1	.4	.4	1.2	1.0	.6	.6
115.	.0	.0	.0	.0	.0	.0	.0	.8	.8	.8	.7	.4	.1	.1	.4	.4	1.2	.9	.5	.5
120.	.0	.0	.0	.0	.0	.0	.0	.8	.7	.8	.7	.4	.1	.1	.4	.4	1.2	.8	.7	.5
125.	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.3	.1	.1	.4	.6	1.1	.7	.6	.5
130.	.0	.0	.0	.0	.0	.0	.0	.6	.7	.7	.6	.3	.2	.1	.4	.6	1.0	.7	.5	.5
135.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.6	.3	.2	.1	.4	.6	1.0	.7	.5	.5
140.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.6	.3	.2	.1	.4	.7	1.0	.6	.5	.5
145.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.6	.2	.2	.1	.4	.7	1.0	.7	.5	.5
150.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.6	.2	.2	.1	.5	.9	1.0	.8	.5	.5
155.	.0	.0	.0	.0	.0	.0	.0	.7	.6	.6	.6	.2	.2	.1	.5	.8	1.0	.7	.5	.5
160.	.0	.0	.0	.0	.0	.0	.0	.7	.6	.6	.6	.2	.2	.1	.6	.8	.8	.7	.5	.5
165.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.5	.2	.2	.1	.5	.8	.7	.7	.5	.6
170.	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.5	.2	.3	.2	.5	.6	.7	.7	.5	.5
175.	.0	.1	.0	.2	.0	.0	.0	.6	.6	.6	.5	.3	.3	.3	.5	.5	.6	.6	.5	.5
180.	.1	.1	.1	.2	.0	.0	.0	.7	.6	.6	.5	.3	.4	.3	.3	.5	.5	.6	.5	.5
185.	.1	.2	.2	.4	.0	.0	.0	.7	.6	.6	.5	.3	.4	.3	.3	.5	.4	.5	.5	.5
190.	.2	.2	.2	.4	.0	.0	.0	.6	.6	.6	.6	.5	.4	.3	.1	.3	.4	.4	.5	.6
195.	.2	.2	.2	.5	.0	.0	.0	.6	.6	.6	.7	.5	.4	.5	.1	.4	.3	.4	.5	.5
200.	.2	.2	.2	.5	.0	.0	.0	.6	.6	.6	.6	.4	.7	.4	.1	.3	.3	.5	.5	.5
205.	.2	.2	.2	.6	.0	.0	.0	.6	.6	.6	.7	.6	.7	.3	.0	.2	.2	.5	.5	.5

1

JOB: C2 Eastern & Patterson COPM RUN: C-2 Construction 2016 PM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.2	.2	.2	.6	.0	.0	.0	.6	.6	.6	.7	.6	.8	.3	.0	.2	.2	.5	.5	.5
215.	.2	.2	.2	.6	.0	.0	.0	.6	.6	.6	.6	.6	.7	.3	.0	.1	.2	.5	.5	.5
220.	.2	.2	.2	.6	.0	.0	.0	.6	.6	.7	.6	.7	.7	.3	.0	.1	.2	.5	.5	.5
225.	.2	.2	.2	.5	.0	.0	.0	.7	.7	.8	.6	.7	.5	.2	.1	.2	.2	.5	.5	.5
230.	.1	.1	.1	.5	.0	.0	.0	.7	.7	.8	.7	.7	.4	.2	.1	.2	.3	.5	.6	.6
235.	.1	.1	.1	.5	.1	.0	.0	.7	.7	.8	.7	.7	.5	.3	.0	.2	.2	.5	.7	.6
240.	.1	.1	.1	.4	.1	.0	.0	.8	.7	.8	.8	.8	.5	.2	.0	.2	.2	.6	.7	.7
245.	.1	.1	.1	.4	.1	.0	.0	.8	.7	.8	.8	.8	.4	.2	.0	.2	.3	.7	.6	.7
250.	.1	.1	.1	.4	.1	.1	.1	.8	.9	.7	.8	.8	.4	.2	.0	.2	.3	.7	.7	.7
255.	.1	.1	.1	.6	.2	.1	.1	.7	.8	.8	.8	.8	.3	.2	.0	.1	.3	.7	.7	.7
260.	.1	.1	.1	.7	.6	.3	.3	.7	.9	.7	.8	.8	.2	.2	.0	.0	.3	.6	.7	.6
265.	.1	.1	.1	.7	.7	.7	.4	.6	.8	.8	.8	.7	.2	.2	.0	.0	.1	.5	.5	.5
270.	.1	.1	.3	.8	.7	.8	.7	.5	.6	.7	.8	.5	.2	.2	.0	.0	.0	.5	.4	.5
275.	.1	.1	.4	.9	.8	1.0	.8	.3	.4	.5	.7	.5	.2	.2	.0	.0	.0	.3	.3	.3
280.	.1	.2	.4	.9	.8	.9	.8	.2	.2	.3	.5	.5	.2	.2	.0	.0	.0	.1	.2	.2
285.	.1	.2	.4	.9	.7	.9	.8	.0	.1	.2	.4	.5	.2	.2	.0	.0	.0	.1	.1	.1
290.	.1	.3	.5	.7	.7	.9	.8	.0	.1	.2	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0
295.	.2	.3	.5	.6	1.1	.9	.8	.0	.1	.2	.5	.5	.2	.3	.0	.0	.0	.0	.0	.0
300.	.2	.3	.3	.7	.9	.8	.7	.0	.1	.2	.5	.5	.2	.3	.0	.0	.0	.0	.0	.0
305.	.2	.2	.4	.8	.9	.8	.7	.0	.0	.2	.5	.4	.2	.3	.0	.0	.0	.0	.0	.0
310.	.2	.3	.4	.7	.9	.8	.7	.0	.0	.2	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0
315.	.2	.4	.4	.8	1.0	.7	.7	.0	.0	.3	.5	.5	.3	.2	.0	.0	.0	.0	.0	.0
320.	.2	.4	.5	1.0	1.0	.7	.7	.0	.0	.3	.6	.4	.3	.3	.0	.0	.0	.0	.0	.0
325.	.2	.2	.5	.9	1.0	.7	.7	.0	.0	.1	.6	.4	.3	.3	.0	.0	.0	.0	.0	.0
330.	.2	.2	.6	.8	.8	.7	.7	.0	.0	.1	.6	.5	.2	.3	.0	.0	.0	.0	.0	.0
335.	.2	.2	.7	.8	.7	.6	.5	.0	.0	.0	.6	.5	.2	.3	.0	.1	.1	.1	.0	.0
340.	.2	.2	.7	.9	.6	.7	.5	.0	.0	.0	.5	.3	.3	.2	.0	.1	.1	.1	.0	.0
345.	.1	.3	.7	.9	.6	.7	.6	.0	.0	.0	.3	.2	.3	.2	.1	.1	.1	.2	.0	.0
350.	.1	.3	.8	.9	.6	.7	.6	.0	.0	.0	.3	.2	.3	.2	.1	.1	.2	.3	.0	.0
355.	.0	.4	.7	.8	.6	.7	.6	.0	.0	.0	.3	.2	.3	.2	.3	.3	.3	.4	.0	.0
360.	.0	.1	.7	.8	.6	.7	.6	.0	.0	.0	.2	.2	.1	.2	.4	.3	.4	.6	.0	.0
MAX	.2	.4	.8	1.0	1.1	1.0	.8	.9	1.0	1.0	.8	.8	.8	.5	.6	.9	1.2	1.0	.8	.8
DEGR.	190	315	350	320	295	275	275	105	105	100	240	240	210	195	160	150	105	100	90	95

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JOB: C2 Eastern & Patterson COPM RUN: C-2 Construction 2016 PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.5	.4	.5	.9	.5	.4	.1
5.	.0	.5	.5	.6	.9	.6	.4	.1
10.	.0	.5	.6	.6	.8	.6	.3	.1
15.	.0	.6	.6	.7	.8	.7	.3	.2
20.	.0	.5	.5	.8	.8	.5	.3	.2
25.	.0	.6	.5	.8	.6	.5	.3	.2
30.	.0	.6	.6	.8	.7	.6	.3	.2
35.	.0	.6	.6	.8	.8	.6	.3	.2
40.	.0	.6	.7	.8	.7	.6	.3	.2
45.	.0	.6	.8	.8	.7	.7	.3	.2
50.	.0	.6	.7	.8	.6	.7	.3	.2
55.	.0	.6	.7	.8	.7	.7	.2	.2
60.	.0	.6	.7	.9	.8	.7	.2	.2
65.	.0	.6	.8	.7	.8	.6	.2	.2
70.	.0	.6	.7	.9	.9	.5	.2	.1
75.	.1	.8	.8	.9	1.0	.4	.2	.1
80.	.3	.7	.9	.7	.9	.3	.2	.1
85.	.4	.6	.8	.7	.8	.3	.1	.1
90.	.6	.5	.6	.6	.7	.2	.1	.1
95.	.7	.3	.2	.6	.7	.1	.1	.1
100.	.8	.1	.2	.3	.4	.1	.1	.1
105.	.6	.0	.0	.2	.4	.1	.1	.1
110.	.6	.0	.0	.1	.3	.1	.1	.1
115.	.6	.0	.0	.0	.3	.1	.1	.1
120.	.5	.0	.0	.0	.3	.1	.1	.1
125.	.5	.0	.0	.0	.3	.1	.1	.1
130.	.5	.0	.0	.0	.3	.1	.1	.1
135.	.5	.0	.0	.0	.3	.1	.1	.2
140.	.5	.0	.0	.0	.2	.1	.2	.2
145.	.5	.0	.0	.0	.2	.1	.2	.2
150.	.5	.0	.0	.0	.2	.1	.2	.2
155.	.5	.0	.0	.0	.1	.1	.2	.2
160.	.5	.0	.0	.0	.1	.1	.2	.2
165.	.5	.0	.0	.0	.1	.1	.2	.1
170.	.5	.0	.0	.0	.1	.1	.1	.1
175.	.5	.0	.0	.0	.1	.1	.1	.1
180.	.5	.0	.0	.0	.0	.1	.1	.0
185.	.5	.0	.0	.0	.0	.0	.0	.0
190.	.5	.0	.0	.0	.0	.0	.0	.0
195.	.5	.0	.0	.0	.0	.0	.0	.0
200.	.5	.0	.0	.0	.0	.0	.0	.0
205.	.5	.0	.0	.0	.0	.0	.0	.0

1

JOB: C2 Eastern & Patterson COPM RUN: C-2 Construction 2016 PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.5	.0	.0	.0	.0	.0	.0	.0
215.	.5	.0	.0	.0	.0	.0	.0	.0
220.	.5	.0	.0	.0	.0	.0	.0	.0
225.	.5	.0	.0	.0	.0	.0	.0	.0
230.	.6	.0	.0	.0	.0	.0	.0	.0
235.	.6	.0	.0	.0	.0	.0	.0	.0
240.	.7	.0	.0	.0	.0	.0	.0	.0
245.	.7	.0	.0	.0	.0	.0	.0	.0
250.	.7	.1	.1	.1	.0	.0	.0	.0
255.	.7	.2	.3	.3	.3	.0	.0	.0
260.	.5	.4	.4	.4	.4	.0	.0	.0
265.	.5	.4	.5	.5	.4	.0	.0	.0
270.	.4	.5	.6	.6	.6	.2	.0	.0
275.	.3	.6	.7	.8	.6	.3	.0	.0
280.	.2	.7	.7	.8	.7	.3	.1	.0
285.	.0	.7	.7	.8	.7	.3	.1	.0
290.	.0	.7	.7	.7	.7	.3	.2	.0
295.	.0	.7	.7	.7	.6	.4	.2	.0
300.	.0	.6	.6	.7	.6	.3	.2	.1
305.	.0	.6	.6	.6	.6	.2	.2	.1
310.	.0	.6	.6	.6	.6	.2	.2	.1
315.	.0	.6	.6	.6	.6	.2	.1	.0
320.	.0	.6	.6	.6	.5	.2	.1	.0
325.	.0	.6	.6	.6	.5	.2	.2	.0
330.	.0	.6	.5	.6	.5	.2	.1	.0
335.	.0	.5	.5	.6	.5	.2	.1	.0

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340.  *    .0    .6    .6    .6    .5    .2    .1    .0
345.  *    .0    .5    .6    .6    .6    .2    .1    .0
350.  *    .0    .5    .5    .6    .6    .4    .1    .0
355.  *    .0    .5    .4    .5    .6    .4    .3    .1
360.  *    .0    .5    .4    .5    .9    .5    .4    .1
------*-----------------------------------------------
MAX   *    .8    .8    .9    .9   1.0    .7    .4    .2
DEGR. *  100    75    80    60    75    15     0    15

THE HIGHEST CONCENTRATION IS    1.20 PPM AT  105 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS    1.10 PPM AT  295 DEGREES FROM REC5 .
THE 3RD HIGHEST CONCENTRATION IS    1.00 PPM AT  320 DEGREES FROM REC4 .
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C2 Eastern & Patterson NBAM             60.0321.0.0000.000280.30480000    1    1
SE MID S                 1259.      865.       5.0
SE 164 S                 1251.     1003.       5.0
SE 82 S                  1247.     1084.       5.0
SE CNR                   1244.     1165.       5.0
SE 82 E                  1325.     1170.       5.0
SE 164 E                 1406.     1175.       5.0
SE MID E                 1567.     1182.       5.0
NE MID E                 1559.     1244.       5.0
NE 164 E                 1406.     1237.       5.0
NE 82 E                  1324.     1232.       5.0
NE CNR                   1245.     1233.       5.0
NE 82 N                  1240.     1308.       5.0
NE 164 N                 1236.     1391.       5.0
NE MID N                 1232.     1529.       5.0
NW MID N                 1168.     1532.       5.0
NW 164 N                 1174.     1388.       5.0
NW 82 N                  1177.     1307.       5.0
NW CNR                   1179.     1225.       5.0
NW 82 W                  1098.     1220.       5.0
NW 164 W                 1016.     1216.       5.0
NW MID W                  818.     1206.       5.0
SW MID W                  819.     1143.       5.0
SW 164 W                 1018.     1154.       5.0
SW 82 W                  1101.     1159.       5.0
SW CNR                   1178.     1160.       5.0
SW 82 S                  1186.     1082.       5.0
SW 164 S                 1190.     1000.       5.0
SW MID S                 1198.      862.       5.0
C-2 No Build AM                         19  1   0
  1
EB        East      AG   216.  1138.  1017.  1179.    300. 8.6   0  32   35.
  1
EB        East      AG  1017.  1179.  1215.  1189.    300. 8.6   0  32   35.
  2
EB        East      AG  1172.  1187.  1026.  1179.      0.  12   1
       110        45       2.0  300   46.9 1252 1 3
  1
EB        East dep  AG  1215.  1189.  2213.  1238.    490. 8.6   0  32   35.
  1
WB        East      AG  2212.  1252.  1563.  1220.    790. 8.6   0  32   35.
  1
WB        East      AG  1563.  1220.  1213.  1202.    790. 8.6   0  32   35.
  2
WB        East      AG  1255.  1204.  1532.  1218.      0.  12   1
       110        45       2.0  790   46.9 1351 1 3
  1
WB        East dep  AG  1213.  1202.   216.  1149.    520. 8.6   0  32   35.
  1
NB        PP ap     AG  1253.   522.  1227.  1042.    335. 9.0   0  32   25.
  1
NB        PP ap     AG  1227.  1042.  1221.  1196.    335. 9.0   0  44   25.
  2
NB        PP        AG  1223.  1159.  1227.  1052.      0.  24   2
       110        65       2.0  335   46.9 1331 1 3
  1
NB        PP dep    AG  1221.  1196.  1204.  1564.    645. 9.0   0  32   25.
  1
NB        PP dep    AG  1204.  1564.  1183.  1927.    645. 9.0   0  32   25.
  1
NB        PP dep    AG  1183.  1927.  1171.  2195.    645. 9.0   0  32   25.
  1
SB        PP ap     AG  1155.  2196.  1171.  1926.    425. 9.0   0  32   25.
  1
SB        PP ap     AG  1171.  1926.  1189.  1552.    425. 9.0   0  32   25.
  1
SB        PP ap     AG  1189.  1552.  1202.  1195.    425. 9.0   0  44   25.
  2
SB        PP        AG  1201.  1237.  1193.  1431.      0.  24   2
       110        65       2.0  425   46.9 1124 1 3
  1
SB        PP dep    AG  1202.  1195.  1241.   529.    195. 9.0   0  32   25.
1.0   04  1000   0Y  5  0 72
```

JOB: C2 Eastern & Patterson NBAM RUN: C-2 No Build AM
DATE: 09/18/2012 TIME: 07:48:40.91

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	East	*	216.0	1138.0	1017.0	1179.0	*	802.	87.	AG	300.	8.6	.0	32.0		
2. EB	East	*	1017.0	1179.0	1215.0	1189.0	*	198.	87.	AG	300.	8.6	.0	32.0		
3. EB	East	*	1172.0	1187.0	1098.3	1183.0	*	74.	267.	AG	51.	100.0	.0	12.0	.43	3.8
4. EB	East dep	*	1215.0	1189.0	2213.0	1238.0	*	999.	87.	AG	490.	8.6	.0	32.0		
5. WB	East	*	2212.0	1252.0	1563.0	1220.0	*	650.	267.	AG	790.	8.6	.0	32.0		
6. WB	East	*	1563.0	1220.0	1213.0	1202.0	*	350.	267.	AG	790.	8.6	.0	32.0		
7. WB	East	*	1255.0	1204.0	1992.8	1241.3	*	739.	87.	AG	51.	100.0	.0	12.0	1.05	37.5
8. WB	East dep	*	1213.0	1202.0	216.0	1149.0	*	998.	267.	AG	520.	8.6	.0	32.0		
9. NB	PP ap	*	1253.0	522.0	1227.0	1042.0	*	521.	357.	AG	335.	9.0	.0	32.0		
10. NB	PP ap	*	1227.0	1042.0	1221.0	1196.0	*	154.	358.	AG	335.	9.0	.0	44.0		
11. NB	PP	*	1223.0	1159.0	1225.2	1099.7	*	59.	178.	AG	149.	100.0	.0	24.0	.34	3.0
12. NB	PP dep	*	1221.0	1196.0	1204.0	1564.0	*	368.	357.	AG	645.	9.0	.0	32.0		
13. NB	PP dep	*	1204.0	1564.0	1183.0	1927.0	*	364.	357.	AG	645.	9.0	.0	32.0		
14. NB	PP dep	*	1183.0	1927.0	1171.0	2195.0	*	268.	357.	AG	645.	9.0	.0	32.0		
15. SB	PP ap	*	1155.0	2196.0	1171.0	1926.0	*	270.	177.	AG	425.	9.0	.0	32.0		
16. SB	PP ap	*	1171.0	1926.0	1189.0	1552.0	*	374.	177.	AG	425.	9.0	.0	32.0		
17. SB	PP ap	*	1189.0	1552.0	1202.0	1195.0	*	357.	178.	AG	425.	9.0	.0	44.0		
18. SB	PP	*	1201.0	1237.0	1197.9	1312.3	*	75.	358.	AG	149.	100.0	.0	24.0	.51	3.8
19. SB	PP dep	*	1202.0	1195.0	1241.0	529.0	*	667.	177.	AG	195.	9.0	.0	32.0		

JOB: C2 Eastern & Patterson NBAM RUN: C-2 No Build AM
DATE: 09/18/2012 TIME: 07:48:40.91

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. EB	East	*	110	45	2.0	300	1252	46.90	1	3
7. WB	East	*	110	45	2.0	790	1351	46.90	1	3
11. NB	PP	*	110	65	2.0	335	1331	46.90	1	3
18. SB	PP	*	110	65	2.0	425	1124	46.90	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1259.0	865.0	5.0	*
2. SE 164 S	*	1251.0	1003.0	5.0	*
3. SE 82 S	*	1247.0	1084.0	5.0	*
4. SE CNR	*	1244.0	1165.0	5.0	*
5. SE 82 E	*	1325.0	1170.0	5.0	*
6. SE 164 E	*	1406.0	1175.0	5.0	*
7. SE MID E	*	1567.0	1182.0	5.0	*
8. NE MID E	*	1559.0	1244.0	5.0	*
9. NE 164 E	*	1406.0	1237.0	5.0	*
10. NE 82 E	*	1324.0	1232.0	5.0	*
11. NE CNR	*	1245.0	1233.0	5.0	*
12. NE 82 N	*	1240.0	1308.0	5.0	*
13. NE 164 N	*	1236.0	1391.0	5.0	*
14. NE MID N	*	1232.0	1529.0	5.0	*
15. NW MID N	*	1168.0	1532.0	5.0	*
16. NW 164 N	*	1174.0	1388.0	5.0	*
17. NW 82 N	*	1177.0	1307.0	5.0	*
18. NW CNR	*	1179.0	1225.0	5.0	*
19. NW 82 W	*	1098.0	1220.0	5.0	*
20. NW 164 W	*	1016.0	1216.0	5.0	*
21. NW MID W	*	818.0	1206.0	5.0	*
22. SW MID W	*	819.0	1143.0	5.0	*
23. SW 164 W	*	1018.0	1154.0	5.0	*
24. SW 82 W	*	1101.0	1159.0	5.0	*
25. SW CNR	*	1178.0	1160.0	5.0	*
26. SW 82 S	*	1186.0	1082.0	5.0	*
27. SW 164 S	*	1190.0	1000.0	5.0	*
28. SW MID S	*	1198.0	862.0	5.0	*

JOB: C2 Eastern & Patterson NBAM RUN: C-2 No Build AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first

angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.3	.4	.6	.4	.4	.4	.0	.0	.0	.1	.1	.2	.1	.2	.4	.3	.5	.0	.0
5.	.0	.1	.4	.4	.4	.4	.3	.0	.0	.0	.1	.1	.1	.1	.2	.4	.3	.6	.0	.0
10.	.0	.0	.3	.4	.4	.4	.3	.0	.0	.0	.1	.1	.0	.1	.4	.4	.3	.6	.0	.0
15.	.0	.1	.1	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.8	.0	.0
20.	.0	.1	.2	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.8	.0	.0
25.	.0	.1	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.4	.4	.8	.2	.0
30.	.0	.1	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.4	.4	.8	.2	.0
35.	.0	.1	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.4	.4	.8	.2	.0
40.	.0	.1	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.7	.3	.0
45.	.0	.0	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2	.5	.3	.0
50.	.0	.0	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.2	.3	.5	.3	.0
55.	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.3	.5	.3	.0
60.	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.3	.4	.3	.0
65.	.0	.0	.2	.5	.5	.6	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.3	.4	.3	.1
70.	.0	.0	.1	.5	.5	.5	.5	.1	.0	.0	.0	.0	.0	.0	.2	.2	.4	.4	.3	.1
75.	.0	.0	.1	.5	.6	.5	.5	.1	.0	.1	.1	.0	.0	.0	.2	.2	.4	.4	.3	.1
80.	.0	.0	.0	.5	.5	.5	.5	.3	.4	.4	.3	.0	.0	.0	.2	.2	.5	.6	.4	.2
85.	.0	.0	.0	.5	.5	.5	.4	.4	.4	.4	.4	.0	.0	.0	.2	.2	.5	.7	.6	.3
90.	.0	.0	.0	.3	.4	.3	.3	.5	.5	.5	.5	.0	.0	.0	.2	.2	.5	.6	.4	.3
95.	.0	.0	.0	.2	.1	.2	.2	.5	.5	.5	.5	.0	.0	.0	.2	.2	.6	.6	.4	.3
100.	.0	.0	.0	.1	.1	.1	.1	.5	.5	.6	.4	.2	.0	.0	.2	.2	.7	.6	.4	.4
105.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.6	.4	.3	.0	.0	.2	.2	.9	.7	.3	.3
110.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.5	.4	.3	.0	.0	.2	.2	.9	.7	.4	.3
115.	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.4	.3	.0	.0	.2	.2	.9	.6	.5	.3
120.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.5	.4	.3	.0	.0	.2	.2	1.0	.5	.5	.3
125.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.4	.3	.0	.0	.2	.3	.9	.5	.5	.3
130.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.3	.1	.0	.3	.4	.9	.5	.5	.3
135.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.2	.1	.0	.4	.5	.9	.7	.5	.3
140.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.1	.1	.0	.4	.5	.9	.4	.3	.2
145.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.1	.1	.0	.4	.6	.9	.4	.3	.2
150.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.4	.1	.1	.0	.4	.6	.9	.4	.3	.2
155.	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.4	.1	.1	.0	.4	.4	.8	.6	.3	.2
160.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.3	.1	.1	.0	.4	.4	.8	.6	.3	.2
165.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.3	.1	.2	.1	.3	.4	.7	.6	.3	.1
170.	.1	.1	.1	.2	.0	.0	.0	.4	.4	.4	.4	.2	.1	.1	.3	.4	.6	.5	.3	.1
175.	.1	.1	.1	.2	.0	.0	.0	.4	.4	.4	.5	.2	.2	.1	.3	.4	.3	.5	.2	.1
180.	.1	.1	.2	.3	.0	.0	.0	.4	.4	.4	.5	.3	.3	.3	.3	.2	.2	.3	.2	.1
185.	.1	.1	.2	.3	.0	.0	.0	.5	.4	.4	.5	.3	.4	.3	.1	.2	.3	.2	.2	.1
190.	.1	.2	.3	.5	.0	.0	.0	.4	.4	.4	.6	.4	.4	.3	.1	.2	.3	.2	.2	.1
195.	.2	.2	.3	.5	.0	.0	.0	.4	.4	.4	.6	.4	.4	.3	.1	.1	.2	.2	.2	.2
200.	.2	.2	.3	.6	.0	.0	.0	.4	.4	.4	.6	.4	.4	.3	.0	.0	.1	.3	.2	.2
205.	.2	.2	.3	.6	.0	.0	.0	.4	.4	.4	.6	.5	.4	.3	.0	.0	.1	.3	.2	.2

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JOB: C2 Eastern & Patterson NBAM RUN: C-2 No Build AM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.2	.2	.2	.5	.0	.0	.0	.4	.4	.5	.6	.5	.4	.3	.0	.0	.1	.3	.2	.2
215.	.1	.1	.1	.5	.0	.0	.0	.4	.4	.5	.4	.6	.4	.3	.0	.0	.1	.3	.2	.2
220.	.1	.1	.1	.5	.0	.0	.0	.4	.4	.5	.2	.7	.4	.3	.0	.0	.1	.4	.3	.3
225.	.1	.1	.1	.5	.0	.0	.0	.4	.4	.5	.3	.7	.3	.3	.0	.0	.1	.4	.3	.3
230.	.1	.1	.1	.5	.1	.0	.0	.5	.4	.5	.5	.7	.3	.3	.0	.0	.1	.4	.3	.3
235.	.1	.1	.1	.5	.1	.0	.0	.5	.5	.5	.6	.7	.3	.3	.0	.0	.1	.4	.3	.3
240.	.1	.1	.1	.4	.1	.0	.0	.5	.5	.5	.6	.7	.3	.3	.0	.0	.1	.4	.2	.3
245.	.1	.1	.1	.4	.1	.0	.0	.5	.5	.4	.6	.7	.3	.3	.0	.0	.1	.3	.2	.3
250.	.1	.1	.1	.4	.1	.0	.0	.5	.5	.5	.5	.7	.3	.3	.0	.0	.1	.3	.3	.3
255.	.1	.1	.1	.3	.1	.1	.1	.5	.5	.5	.5	.7	.3	.3	.0	.0	.1	.2	.3	.3
260.	.1	.1	.1	.4	.2	.1	.2	.5	.5	.4	.6	.6	.3	.3	.0	.0	.0	.2	.3	.3
265.	.1	.1	.1	.3	.3	.3	.2	.4	.4	.3	.5	.5	.3	.3	.0	.0	.0	.2	.3	.3
270.	.1	.1	.1	.4	.3	.3	.3	.4	.2	.4	.5	.5	.3	.3	.0	.0	.0	.1	.1	.1
275.	.1	.1	.1	.4	.3	.3	.5	.1	.2	.4	.5	.5	.3	.3	.0	.0	.0	.1	.1	.1
280.	.1	.1	.3	.3	.3	.5	.5	.1	.2	.2	.5	.4	.3	.3	.0	.0	.0	.1	.1	.1
285.	.1	.1	.3	.3	.3	.5	.5	.0	.1	.2	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0
290.	.1	.1	.3	.3	.3	.5	.5	.0	.0	.2	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0
295.	.1	.1	.3	.4	.6	.5	.5	.0	.0	.2	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0
300.	.1	.1	.4	.4	.7	.5	.5	.0	.0	.2	.6	.3	.3	.2	.0	.0	.0	.0	.0	.0
305.	.1	.1	.4	.3	.6	.5	.5	.0	.0	.2	.6	.3	.3	.2	.0	.0	.0	.0	.0	.0
310.	.1	.1	.5	.6	.6	.6	.5	.0	.0	.1	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0
315.	.1	.1	.5	.7	.6	.4	.4	.0	.0	.1	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0
320.	.1	.1	.4	.7	.6	.4	.4	.0	.0	.1	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0
325.	.2	.1	.4	.6	.6	.4	.4	.0	.0	.1	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0
330.	.2	.3	.4	.6	.5	.4	.3	.0	.0	.1	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0
335.	.2	.3	.6	.7	.5	.4	.3	.0	.0	.1	.4	.3	.3	.4	.0	.0	.0	.0	.0	.0
340.	.1	.3	.7	.7	.5	.4	.3	.0	.0	.0	.4	.3	.3	.4	.0	.1	.1	.1	.0	.0
345.	.1	.2	.7	.7	.4	.4	.4	.0	.0	.0	.4	.3	.4	.3	.1	.1	.1	.2	.0	.0
350.	.1	.3	.6	.8	.4	.4	.4	.0	.0	.0	.3	.3	.4	.3	.2	.1	.1	.2	.0	.0
355.	.1	.3	.7	.7	.4	.4	.4	.0	.0	.0	.3	.3	.2	.2	.2	.1	.2	.3	.0	.0
360.	.1	.3	.4	.6	.4	.4	.4	.0	.0	.0	.1	.1	.2	.1	.2	.4	.3	.5	.0	.0
MAX	.2	.3	.7	.8	.7	.6	.5	.5	.5	.6	.6	.7	.4	.4	.4	.6	1.0	.8	.6	.4
DEGR.	195	0	340	350	300	65	45	90	90	100	190	220	185	335	10	145	120	15	85	100

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JOB: C2 Eastern & Patterson NBAM RUN: C-2 No Build AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.2	.1	.3	.5	.3	.2	.1
5.	.0	.2	.1	.3	.5	.4	.4	.1
10.	.0	.2	.2	.3	.5	.5	.4	.2
15.	.0	.2	.2	.3	.5	.5	.3	.2
20.	.0	.2	.2	.4	.5	.6	.3	.2
25.	.0	.2	.2	.6	.5	.5	.3	.2
30.	.0	.2	.2	.6	.5	.5	.4	.2
35.	.0	.2	.2	.6	.6	.5	.2	.2
40.	.0	.2	.2	.6	.5	.6	.2	.2
45.	.0	.2	.2	.6	.4	.6	.2	.2
50.	.0	.2	.2	.5	.4	.6	.2	.2
55.	.0	.2	.3	.5	.2	.6	.2	.2
60.	.0	.2	.3	.5	.5	.7	.2	.2
65.	.0	.2	.2	.4	.5	.7	.2	.2
70.	.0	.2	.2	.5	.5	.5	.2	.2
75.	.1	.2	.3	.6	.7	.4	.2	.2
80.	.1	.2	.4	.4	.6	.3	.2	.2
85.	.1	.2	.4	.4	.6	.2	.2	.2
90.	.1	.1	.2	.3	.6	.2	.2	.2
95.	.2	.0	.0	.3	.6	.2	.2	.2
100.	.3	.0	.0	.1	.5	.2	.2	.2
105.	.3	.0	.0	.1	.4	.2	.2	.2
110.	.3	.0	.0	.1	.4	.2	.2	.2
115.	.3	.0	.0	.1	.4	.2	.2	.2
120.	.3	.0	.0	.1	.4	.2	.2	.2
125.	.3	.0	.0	.0	.4	.2	.2	.2
130.	.3	.0	.0	.0	.4	.2	.2	.2
135.	.3	.0	.0	.0	.4	.1	.2	.2
140.	.2	.0	.0	.0	.4	.1	.2	.2
145.	.2	.0	.0	.0	.4	.2	.2	.2
150.	.2	.0	.0	.0	.3	.2	.2	.2
155.	.2	.0	.0	.0	.3	.2	.2	.2
160.	.2	.0	.0	.0	.2	.2	.2	.2
165.	.2	.0	.0	.0	.1	.2	.2	.2
170.	.2	.0	.0	.0	.1	.2	.2	.2
175.	.2	.0	.0	.0	.1	.2	.2	.2
180.	.2	.0	.0	.0	.0	.1	.0	.0
185.	.2	.0	.0	.0	.0	.0	.0	.0
190.	.2	.0	.0	.0	.0	.0	.0	.0
195.	.2	.0	.0	.0	.0	.0	.0	.0
200.	.2	.0	.0	.0	.0	.0	.0	.0
205.	.2	.0	.0	.0	.0	.0	.0	.0

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JOB: C2 Eastern & Patterson NBAM RUN: C-2 No Build AM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.2	.0	.0	.0	.0	.0	.0	.0
215.	.2	.0	.0	.0	.0	.0	.0	.0
220.	.3	.0	.0	.0	.0	.0	.0	.0
225.	.3	.0	.0	.0	.0	.0	.0	.0
230.	.3	.0	.0	.0	.0	.0	.0	.0
235.	.3	.0	.0	.0	.0	.0	.0	.0
240.	.3	.0	.0	.0	.0	.0	.0	.0
245.	.3	.0	.0	.0	.0	.0	.0	.0
250.	.3	.0	.0	.0	.0	.0	.0	.0
255.	.3	.0	.0	.0	.0	.0	.0	.0
260.	.3	.2	.2	.1	.1	.0	.0	.0
265.	.3	.2	.2	.2	.1	.0	.0	.0
270.	.1	.2	.2	.2	.1	.0	.0	.0
275.	.1	.2	.2	.3	.2	.0	.0	.0
280.	.1	.2	.2	.3	.3	.1	.0	.0
285.	.0	.2	.2	.2	.3	.1	.0	.0
290.	.0	.2	.2	.2	.3	.1	.0	.0
295.	.0	.2	.2	.2	.3	.1	.0	.0
300.	.0	.2	.2	.2	.3	.1	.0	.0
305.	.0	.2	.2	.2	.3	.1	.0	.0
310.	.0	.2	.2	.2	.3	.1	.0	.0
315.	.0	.2	.2	.2	.3	.1	.0	.0
320.	.0	.2	.2	.2	.3	.1	.0	.0
325.	.0	.2	.2	.2	.3	.1	.0	.0
330.	.0	.2	.2	.2	.3	.1	.0	.0
335.	.0	.2	.2	.2	.3	.1	.0	.0

```
340.  *    .0    .2    .2    .2    .3    .0    .0    .0
345.  *    .0    .2    .2    .2    .3    .0    .0    .0
350.  *    .0    .2    .1    .2    .4    .0    .0    .0
355.  *    .0    .2    .1    .3    .5    .3    .0    .0
360.  *    .0    .2    .1    .3    .5    .3    .2    .1
------*-----------------------------------------------
MAX   *    .3    .2    .4    .6    .7    .7    .4    .2
DEGR. *  100     0    80    25    75    60     5    10

THE HIGHEST CONCENTRATION IS    1.00 PPM AT  120 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS     .80 PPM AT  350 DEGREES FROM REC4 .
THE 3RD HIGHEST CONCENTRATION IS     .80 PPM AT   15 DEGREES FROM REC18.
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C2 Eastern & Patterson NBPM             60.0321.0.0000.000280.30480000    1    1
SE MID S                 1259.      865.       5.0
SE 164 S                 1251.     1003.       5.0
SE 82 S                  1247.     1084.       5.0
SE CNR                   1244.     1165.       5.0
SE 82 E                  1325.     1170.       5.0
SE 164 E                 1406.     1175.       5.0
SE MID E                 1567.     1182.       5.0
NE MID E                 1559.     1244.       5.0
NE 164 E                 1406.     1237.       5.0
NE 82 E                  1324.     1232.       5.0
NE CNR                   1245.     1233.       5.0
NE 82 N                  1240.     1308.       5.0
NE 164 N                 1236.     1391.       5.0
NE MID N                 1232.     1529.       5.0
NW MID N                 1168.     1532.       5.0
NW 164 N                 1174.     1388.       5.0
NW 82 N                  1177.     1307.       5.0
NW CNR                   1179.     1225.       5.0
NW 82 W                  1098.     1220.       5.0
NW 164 W                 1016.     1216.       5.0
NW MID W                  818.     1206.       5.0
SW MID W                  819.     1143.       5.0
SW 164 W                 1018.     1154.       5.0
SW 82 W                  1101.     1159.       5.0
SW CNR                   1178.     1160.       5.0
SW 82 S                  1186.     1082.       5.0
SW 164 S                 1190.     1000.       5.0
SW MID S                 1198.      862.       5.0
C-2 No Build PM                         19  1   0
  1
EB        East      AG   216.  1138.  1017.  1179.    645. 8.6   0  32   35.
  1
EB        East      AG  1017.  1179.  1215.  1189.    645. 8.6   0  32   35.
  2
EB        East      AG  1172.  1187.  1026.  1179.      0.  12   1
       110        48       2.0  645   46.9 1278 1 3
  1
EB        East dep  AG  1215.  1189.  2213.  1238.    925. 8.6   0  32   35.
  1
WB        East      AG  2212.  1252.  1563.  1220.    605. 8.6   0  32   35.
  1
WB        East      AG  1563.  1220.  1213.  1202.    605. 8.6   0  32   35.
  2
WB        East      AG  1255.  1204.  1532.  1218.      0.  12   1
       110        48       2.0  605   46.9 1483 1 3
  1
WB        East dep  AG  1213.  1202.   216.  1149.    465. 8.6   0  32   35.
  1
NB        PP ap     AG  1253.   522.  1227.  1042.    245. 9.0   0  32   25.
  1
NB        PP ap     AG  1227.  1042.  1221.  1196.    245. 9.0   0  44   25.
  2
NB        PP        AG  1223.  1159.  1227.  1052.      0.  24   2
       110        62       2.0  245   46.9 1424 1 3
  1
NB        PP dep    AG  1221.  1196.  1204.  1564.    480. 9.0   0  32   25.
  1
NB        PP dep    AG  1204.  1564.  1183.  1927.    480. 9.0   0  32   25.
  1
NB        PP dep    AG  1183.  1927.  1171.  2195.    480. 9.0   0  32   25.
  1
SB        PP ap     AG  1155.  2196.  1171.  1926.    615. 9.0   0  32   25.
  1
SB        PP ap     AG  1171.  1926.  1189.  1552.    615. 9.0   0  32   25.
  1
SB        PP ap     AG  1189.  1552.  1202.  1195.    615. 9.0   0  44   25.
  2
SB        PP        AG  1201.  1237.  1193.  1431.      0.  24   2
       110        62       2.0  615   46.9 1358 1 3
  1
SB        PP dep    AG  1202.  1195.  1241.   529.    240. 9.0   0  32   25.
1.0   04  1000   0Y  5  0 72
```

JOB: C2 Eastern & Patterson NBPM RUN: C-2 No Build PM
DATE: 09/18/2012 TIME: 07:57:55.88

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EB	East	*	216.0	1138.0	1017.0	1179.0	*	802.	87.	AG	645.	8.6	.0	32.0		
2. EB	East	*	1017.0	1179.0	1215.0	1189.0	*	198.	87.	AG	645.	8.6	.0	32.0		
3. EB	East	*	1172.0	1187.0	924.6	1173.4	*	248.	267.	AG	55.	100.0	.0	12.0	.96	12.6
4. EB	East dep	*	1215.0	1189.0	2213.0	1238.0	*	999.	87.	AG	925.	8.6	.0	32.0		
5. WB	East	*	2212.0	1252.0	1563.0	1220.0	*	650.	267.	AG	605.	8.6	.0	32.0		
6. WB	East	*	1563.0	1220.0	1213.0	1202.0	*	350.	267.	AG	605.	8.6	.0	32.0		
7. WB	East	*	1255.0	1204.0	1413.6	1212.0	*	159.	87.	AG	55.	100.0	.0	12.0	.77	8.1
8. WB	East dep	*	1213.0	1202.0	216.0	1149.0	*	998.	267.	AG	465.	8.6	.0	32.0		
9. NB	PP ap	*	1253.0	522.0	1227.0	1042.0	*	521.	357.	AG	245.	9.0	.0	32.0		
10. NB	PP ap	*	1227.0	1042.0	1221.0	1196.0	*	154.	358.	AG	245.	9.0	.0	44.0		
11. NB	PP	*	1223.0	1159.0	1224.5	1117.7	*	41.	178.	AG	142.	100.0	.0	24.0	.21	2.1
12. NB	PP dep	*	1221.0	1196.0	1204.0	1564.0	*	368.	357.	AG	480.	9.0	.0	32.0		
13. NB	PP dep	*	1204.0	1564.0	1183.0	1927.0	*	364.	357.	AG	480.	9.0	.0	32.0		
14. NB	PP dep	*	1183.0	1927.0	1171.0	2195.0	*	268.	357.	AG	480.	9.0	.0	32.0		
15. SB	PP ap	*	1155.0	2196.0	1171.0	1926.0	*	270.	177.	AG	615.	9.0	.0	32.0		
16. SB	PP ap	*	1171.0	1926.0	1189.0	1552.0	*	374.	177.	AG	615.	9.0	.0	32.0		
17. SB	PP ap	*	1189.0	1552.0	1202.0	1195.0	*	357.	178.	AG	615.	9.0	.0	44.0		
18. SB	PP	*	1201.0	1237.0	1196.7	1341.0	*	104.	358.	AG	142.	100.0	.0	24.0	.57	5.3
19. SB	PP dep	*	1202.0	1195.0	1241.0	529.0	*	667.	177.	AG	240.	9.0	.0	32.0		

JOB: C2 Eastern & Patterson NBPM RUN: C-2 No Build PM
DATE: 09/18/2012 TIME: 07:57:55.88

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. EB	East	*	110	48	2.0	645	1278	46.90	1	3
7. WB	East	*	110	48	2.0	605	1483	46.90	1	3
11. NB	PP	*	110	62	2.0	245	1424	46.90	1	3
18. SB	PP	*	110	62	2.0	615	1358	46.90	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1. SE MID S	*	1259.0	865.0	5.0	*
2. SE 164 S	*	1251.0	1003.0	5.0	*
3. SE 82 S	*	1247.0	1084.0	5.0	*
4. SE CNR	*	1244.0	1165.0	5.0	*
5. SE 82 E	*	1325.0	1170.0	5.0	*
6. SE 164 E	*	1406.0	1175.0	5.0	*
7. SE MID E	*	1567.0	1182.0	5.0	*
8. NE MID E	*	1559.0	1244.0	5.0	*
9. NE 164 E	*	1406.0	1237.0	5.0	*
10. NE 82 E	*	1324.0	1232.0	5.0	*
11. NE CNR	*	1245.0	1233.0	5.0	*
12. NE 82 N	*	1240.0	1308.0	5.0	*
13. NE 164 N	*	1236.0	1391.0	5.0	*
14. NE MID N	*	1232.0	1529.0	5.0	*
15. NW MID N	*	1168.0	1532.0	5.0	*
16. NW 164 N	*	1174.0	1388.0	5.0	*
17. NW 82 N	*	1177.0	1307.0	5.0	*
18. NW CNR	*	1179.0	1225.0	5.0	*
19. NW 82 W	*	1098.0	1220.0	5.0	*
20. NW 164 W	*	1016.0	1216.0	5.0	*
21. NW MID W	*	818.0	1206.0	5.0	*
22. SW MID W	*	819.0	1143.0	5.0	*
23. SW 164 W	*	1018.0	1154.0	5.0	*
24. SW 82 W	*	1101.0	1159.0	5.0	*
25. SW CNR	*	1178.0	1160.0	5.0	*
26. SW 82 S	*	1186.0	1082.0	5.0	*
27. SW 164 S	*	1190.0	1000.0	5.0	*
28. SW MID S	*	1198.0	862.0	5.0	*

JOB: C2 Eastern & Patterson NBPM RUN: C-2 No Build PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first

angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.0	.1	.6	.6	.4	.4	.3	.0	.0	.0	.2	.2	.1	.2	.4	.3	.4	.6	.0	.0
5.	.0	.1	.3	.5	.4	.4	.3	.0	.0	.0	.1	.1	.1	.1	.4	.4	.5	.7	.0	.0
10.	.0	.1	.2	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.8	.0	.0
15.	.0	.1	.2	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.4	.4	.6	.8	.1	.0
20.	.0	.1	.2	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.4	.4	.6	.8	.1	.0
25.	.0	.1	.2	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.8	.1	.0
30.	.0	.1	.2	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	.8	.2	.0
35.	.0	.1	.2	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.3	.0
40.	.0	.1	.2	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.3	.0
45.	.0	.1	.2	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.3	.1
50.	.0	.1	.2	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.2	.1
55.	.0	.1	.2	.5	.5	.4	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.2	.2
60.	.0	.1	.2	.5	.5	.4	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.5	.2	.2
65.	.0	.1	.1	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.5	.2	.2
70.	.0	.1	.1	.6	.5	.6	.6	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.5	.2	.1
75.	.0	.1	.1	.6	.5	.6	.6	.2	.1	.2	.1	.0	.0	.0	.3	.3	.7	.6	.3	.1
80.	.0	.0	.1	.5	.5	.6	.4	.2	.3	.2	.2	.0	.0	.0	.3	.3	.7	.6	.4	.3
85.	.0	.0	.1	.4	.5	.5	.4	.3	.3	.4	.2	.0	.0	.0	.3	.3	.7	.6	.5	.3
90.	.0	.0	.0	.3	.3	.3	.3	.4	.4	.4	.4	.1	.0	.0	.3	.3	.8	.7	.5	.3
95.	.0	.0	.0	.2	.2	.2	.3	.4	.4	.6	.5	.1	.0	.0	.3	.3	.8	.8	.6	.4
100.	.0	.0	.0	.1	.1	.1	.1	.4	.5	.6	.5	.1	.0	.0	.3	.4	.8	.8	.4	.4
105.	.0	.0	.0	.1	.1	.1	.1	.4	.6	.6	.5	.1	.1	.0	.3	.4	.8	.8	.4	.5
110.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.5	.2	.1	.0	.3	.4	.9	.7	.3	.4
115.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.5	.2	.1	.0	.3	.4	.9	.7	.4	.5
120.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.5	.2	.1	.0	.3	.4	.9	.7	.3	.5
125.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.5	.2	.1	.0	.3	.4	.9	.7	.3	.4
130.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.5	.2	.1	.0	.3	.5	1.0	.6	.3	.4
135.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.5	.2	.1	.0	.3	.5	1.0	.6	.3	.3
140.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.5	.2	.1	.0	.3	.5	1.0	.5	.3	.3
145.	.0	.0	.0	.0	.0	.0	.0	.3	.4	.5	.4	.2	.1	.0	.4	.6	1.0	.5	.3	.3
150.	.0	.0	.0	.0	.0	.0	.0	.3	.4	.5	.4	.2	.1	.0	.4	.7	.8	.5	.3	.3
155.	.0	.0	.0	.0	.0	.0	.0	.3	.4	.5	.4	.2	.1	.0	.4	.7	.8	.6	.3	.3
160.	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5	.4	.2	.1	.0	.4	.6	.7	.5	.3	.3
165.	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.3	.2	.1	.0	.5	.6	.6	.5	.3	.3
170.	.0	.1	.0	.0	.0	.0	.0	.4	.5	.5	.3	.2	.2	.1	.5	.6	.4	.5	.3	.3
175.	.1	.1	.1	.2	.0	.0	.0	.4	.5	.5	.4	.3	.2	.2	.5	.5	.4	.4	.3	.4
180.	.1	.1	.1	.2	.0	.0	.0	.4	.5	.5	.4	.3	.3	.3	.4	.4	.4	.4	.3	.4
185.	.1	.2	.2	.3	.0	.0	.0	.3	.5	.5	.6	.3	.3	.3	.2	.3	.3	.3	.3	.4
190.	.2	.2	.3	.4	.0	.0	.0	.3	.5	.5	.6	.3	.5	.4	.1	.2	.2	.2	.3	.3
195.	.2	.2	.3	.4	.0	.0	.0	.3	.5	.5	.7	.3	.5	.5	.1	.2	.2	.3	.3	.3
200.	.2	.2	.3	.5	.0	.0	.0	.3	.5	.5	.6	.4	.6	.4	.1	.1	.2	.3	.3	.3
205.	.2	.2	.2	.5	.0	.0	.0	.4	.5	.5	.5	.6	.6	.4	.0	.0	.1	.3	.3	.3

1

JOB: C2 Eastern & Patterson NBPM RUN: C-2 No Build PM

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.2	.2	.2	.5	.0	.0	.0	.4	.5	.5	.4	.6	.6	.4	.0	.0	.2	.3	.3	.3
215.	.2	.2	.2	.6	.0	.0	.0	.4	.5	.5	.4	.6	.6	.4	.0	.0	.2	.3	.3	.3
220.	.2	.2	.2	.6	.0	.0	.0	.4	.5	.6	.5	.7	.5	.3	.0	.0	.2	.3	.3	.3
225.	.2	.2	.2	.6	.0	.0	.0	.4	.5	.6	.6	.7	.4	.3	.0	.0	.1	.3	.3	.4
230.	.2	.2	.2	.6	.0	.0	.0	.4	.5	.6	.6	.7	.3	.2	.0	.0	.1	.4	.4	.5
235.	.2	.2	.2	.5	.0	.0	.0	.4	.5	.5	.5	.6	.3	.2	.0	.0	.1	.4	.5	.5
240.	.2	.2	.2	.5	.1	.0	.0	.4	.5	.5	.6	.6	.2	.2	.0	.0	.2	.4	.5	.5
245.	.2	.2	.2	.4	.1	.0	.0	.4	.5	.6	.5	.6	.2	.2	.0	.0	.2	.4	.5	.5
250.	.2	.2	.2	.4	.1	.0	.1	.4	.5	.6	.5	.7	.2	.2	.0	.0	.2	.5	.5	.4
255.	.2	.2	.2	.4	.1	.1	.1	.4	.5	.5	.6	.7	.2	.2	.0	.0	.2	.5	.5	.4
260.	.2	.2	.2	.5	.2	.1	.1	.4	.5	.4	.7	.5	.2	.2	.0	.0	.0	.5	.4	.4
265.	.2	.2	.2	.6	.4	.2	.3	.3	.4	.5	.6	.5	.2	.2	.0	.0	.0	.4	.3	.2
270.	.2	.2	.2	.6	.5	.4	.4	.2	.3	.4	.5	.5	.2	.2	.0	.0	.0	.2	.2	.2
275.	.2	.2	.3	.6	.5	.6	.4	.2	.2	.3	.4	.5	.2	.2	.0	.0	.0	.1	.2	.2
280.	.2	.2	.3	.7	.5	.5	.4	.1	.1	.3	.4	.5	.2	.2	.0	.0	.0	.1	.1	.1
285.	.2	.2	.4	.6	.6	.5	.4	.0	.1	.3	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0
290.	.2	.2	.3	.6	.4	.6	.5	.0	.1	.3	.4	.4	.2	.2	.0	.0	.0	.0	.0	.0
295.	.2	.2	.3	.4	.7	.6	.5	.0	.1	.3	.4	.4	.2	.3	.0	.0	.0	.0	.0	.0
300.	.2	.2	.4	.5	.7	.6	.4	.0	.0	.3	.4	.4	.2	.3	.0	.0	.0	.0	.0	.0
305.	.2	.2	.5	.5	.8	.6	.4	.0	.0	.3	.5	.4	.2	.3	.0	.0	.0	.0	.0	.0
310.	.2	.2	.4	.6	.8	.5	.4	.0	.0	.3	.5	.5	.4	.2	.0	.0	.0	.0	.0	.0
315.	.2	.2	.4	.9	.8	.5	.4	.0	.0	.3	.7	.5	.4	.3	.0	.0	.0	.0	.0	.0
320.	.2	.2	.4	.8	.8	.5	.4	.0	.0	.2	.7	.5	.4	.3	.0	.0	.0	.0	.0	.0
325.	.2	.2	.5	.7	.8	.5	.4	.0	.0	.2	.7	.5	.4	.3	.0	.0	.0	.0	.0	.0
330.	.2	.2	.4	.7	.7	.4	.3	.0	.0	.2	.6	.4	.4	.3	.0	.0	.0	.0	.0	.0
335.	.2	.1	.5	.8	.6	.4	.3	.0	.0	.0	.6	.4	.3	.3	.0	.1	.1	.1	.0	.0
340.	.2	.1	.6	.8	.4	.4	.3	.0	.0	.0	.6	.3	.4	.2	.0	.1	.1	.1	.0	.0
345.	.2	.3	.7	.7	.4	.4	.3	.0	.0	.0	.4	.3	.4	.2	.1	.1	.1	.2	.0	.0
350.	.1	.3	.7	.6	.4	.4	.4	.0	.0	.0	.3	.2	.3	.2	.1	.1	.2	.3	.0	.0
355.	.1	.2	.6	.6	.4	.4	.4	.0	.0	.0	.3	.2	.3	.2	.4	.3	.2	.5	.0	.0
360.	.0	.1	.6	.6	.4	.4	.3	.0	.0	.0	.2	.2	.1	.2	.4	.3	.4	.6	.0	.0
MAX	.2	.3	.7	.9	.8	.6	.6	.4	.6	.6	.7	.7	.6	.5	.5	.7	1.0	.8	.6	.5
DEGR.	190	345	345	315	305	70	70	90	105	95	195	225	200	195	165	150	130	10	95	105

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JOB: C2 Eastern & Patterson NBPM RUN: C-2 No Build PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.3	.4	.4	.7	.4	.2	.1
5.	.0	.3	.4	.4	.8	.4	.2	.1
10.	.0	.3	.3	.4	.8	.5	.2	.1
15.	.0	.3	.3	.5	.8	.5	.2	.1
20.	.0	.3	.3	.6	.7	.4	.2	.2
25.	.0	.3	.4	.6	.5	.4	.2	.2
30.	.0	.3	.4	.7	.5	.5	.2	.2
35.	.0	.3	.4	.7	.5	.6	.2	.2
40.	.0	.3	.5	.7	.6	.5	.2	.2
45.	.0	.3	.6	.6	.6	.5	.2	.2
50.	.0	.3	.5	.6	.4	.5	.2	.2
55.	.0	.3	.5	.6	.5	.5	.2	.2
60.	.0	.3	.5	.6	.5	.5	.2	.2
65.	.0	.3	.4	.6	.6	.3	.2	.2
70.	.0	.3	.5	.6	.7	.3	.2	.2
75.	.0	.4	.5	.6	.7	.3	.2	.2
80.	.1	.5	.5	.4	.7	.3	.2	.2
85.	.3	.4	.3	.4	.6	.3	.2	.2
90.	.3	.3	.2	.4	.6	.2	.2	.2
95.	.5	.1	.2	.3	.5	.2	.2	.2
100.	.4	.0	.1	.2	.5	.2	.2	.2
105.	.4	.0	.0	.1	.5	.2	.2	.2
110.	.3	.0	.0	.1	.4	.2	.2	.2
115.	.4	.0	.0	.0	.4	.1	.2	.2
120.	.4	.0	.0	.0	.4	.1	.2	.2
125.	.3	.0	.0	.0	.4	.1	.2	.2
130.	.3	.0	.0	.0	.4	.1	.2	.2
135.	.2	.0	.0	.0	.3	.1	.2	.2
140.	.2	.0	.0	.0	.3	.1	.2	.2
145.	.2	.0	.0	.0	.3	.1	.2	.2
150.	.2	.0	.0	.0	.2	.1	.2	.2
155.	.2	.0	.0	.0	.1	.2	.2	.2
160.	.2	.0	.0	.0	.1	.2	.2	.2
165.	.2	.0	.0	.0	.1	.2	.2	.2
170.	.2	.0	.0	.0	.1	.2	.2	.1
175.	.2	.0	.0	.0	.1	.1	.1	.1
180.	.2	.0	.0	.0	.1	.1	.1	.1
185.	.2	.0	.0	.0	.0	.0	.0	.0
190.	.2	.0	.0	.0	.0	.0	.0	.0
195.	.2	.0	.0	.0	.0	.0	.0	.0
200.	.2	.0	.0	.0	.0	.0	.0	.0
205.	.2	.0	.0	.0	.0	.0	.0	.0

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JOB: C2 Eastern & Patterson NBPM RUN: C-2 No Build PM

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.2	.0	.0	.0	.0	.0	.0	.0
215.	.2	.0	.0	.0	.0	.0	.0	.0
220.	.2	.0	.0	.0	.0	.0	.0	.0
225.	.3	.0	.0	.0	.0	.0	.0	.0
230.	.3	.0	.0	.0	.0	.0	.0	.0
235.	.4	.0	.0	.0	.0	.0	.0	.0
240.	.4	.0	.0	.0	.0	.0	.0	.0
245.	.4	.0	.0	.0	.0	.0	.0	.0
250.	.4	.0	.0	.0	.0	.0	.0	.0
255.	.4	.1	.1	.1	.0	.0	.0	.0
260.	.3	.1	.2	.2	.3	.0	.0	.0
265.	.2	.2	.3	.4	.4	.0	.0	.0
270.	.2	.3	.3	.4	.4	.0	.0	.0
275.	.2	.3	.4	.4	.4	.1	.0	.0
280.	.1	.3	.4	.4	.5	.1	.0	.0
285.	.0	.3	.5	.5	.5	.2	.0	.0
290.	.0	.3	.4	.5	.4	.2	.0	.0
295.	.0	.3	.4	.5	.4	.2	.0	.0
300.	.0	.3	.4	.4	.4	.1	.0	.0
305.	.0	.3	.4	.4	.4	.1	.0	.0
310.	.0	.3	.4	.4	.4	.3	.0	.0
315.	.0	.3	.4	.4	.4	.2	.0	.0
320.	.0	.3	.4	.4	.4	.1	.0	.0
325.	.0	.3	.4	.4	.4	.1	.0	.0
330.	.0	.3	.4	.4	.4	.1	.0	.0
335.	.0	.3	.3	.4	.4	.1	.0	.0

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340.  *    .0    .3    .3    .4    .4    .1    .0    .0
345.  *    .0    .3    .3    .4    .6    .1    .0    .0
350.  *    .0    .3    .4    .4    .5    .3    .0    .0
355.  *    .0    .3    .4    .4    .5    .3    .1    .1
360.  *    .0    .3    .4    .4    .7    .4    .2    .1
------*-----------------------------------------------
MAX   *    .5    .5    .6    .7    .8    .6    .2    .2
DEGR. *   95    80    45    30     5    35     0    20

THE HIGHEST CONCENTRATION IS    1.00 PPM AT  130 DEGREES FROM REC17.
THE 2ND HIGHEST CONCENTRATION IS     .90 PPM AT  315 DEGREES FROM REC4 .
THE 3RD HIGHEST CONCENTRATION IS     .80 PPM AT  305 DEGREES FROM REC5 .
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